

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

For Twelve Months Ended

2021

AEP Ohio Transmission Company

Line No.						Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 113)	Total	Allocator		\$689,629,750
2	REVENUE CREDITS	(Worksheet E, In 8) (Note A)	5,139,000	DA	1.00000	\$ 5,139,000
3	Facility Credits under PJM OATT Section 30.9	Worksheet E, In 9) (Note X)				3,343,128
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)				\$ 687,833,877
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)	44,688,022	DA	1.00000	\$ 44,688,022
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)					
7	Annual Rate	((In 1 - In 80) / (In 33) x 100)				17.63%
8	Monthly Rate	(In 7 / 12)				1.47%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)					
10	Annual Rate	((In 1 - In 80 - In 83) / (In 33) x 100)				14.69%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)					
12	Annual Rate	((In 1 - In 80 - In 83 - In 108 - In 109) / (In 33) x 100)				6.51%
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				4,487,000
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)					-
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)					-
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)				4,487,000

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	(1)	(2)	(3)	(4)	(5)
	RATE BASE CALCULATION	Data Sources (See "General Notes")	TO Total NOTE C	Allocator	Total Transmission
Line No.					
19	GROSS PLANT IN SERVICE				
20	Transmission	(Worksheet A in 14.(d) & Ln 117)	4,305,711,000	DA 1.00000	4,305,711,000
21	Less: Transmission ARO (Enter Negative)	(Worksheet A in 14.(e))	-	TP 1.00000	-
22	General Plant	(Worksheet A in 14.(h))	171,753,000	W/S 1.00000	171,753,000
23	Less: General Plant ARO (Enter Negative)	(Worksheet A in 14.(i))	-	W/S 1.00000	-
24	Intangible Plant	(Worksheet A in 14.(j))	43,548,000	W/S 1.00000	43,548,000
25	TOTAL GROSS PLANT	(Sum of Lines: 19 to 23)	4,521,012,000	GP= 1.000000 GTD= 1.00000	4,521,012,000
26	ACCUMULATED DEPRECIATION AND AMORTIZATION				
27	Transmission	(Worksheet A in 28.(d) & Ln 43.(b))	394,176,000	TP1= 1.00000	394,176,000
28	Less: Transmission ARO (Enter Negative)	(Worksheet A in 28.(e))	-	TP1= 1.00000	-
29	General Plant	(Worksheet A in 28.(h))	11,593,000	W/S 1.00000	11,593,000
30	Less: General Plant ARO (Enter Negative)	(Worksheet A in 28.(i))	-	W/S 1.00000	-
31	Intangible Plant	(Worksheet A in 28.(j))	19,552,000	W/S 1.00000	19,552,000.00
32	TOTAL ACCUMULATED DEPRECIATION	(Sum of Lines: 26 to 30)	425,321,000		425,321,000
33	NET PLANT IN SERVICE				
34	Transmission	(In 19 + In 20 - In 26 - In 27)	3,911,535,000		3,911,535,000
35	General Plant	(In 21 + In 22 - In 28 - In 29)	160,160,000		160,160,000
36	Intangible Plant	(In 23 - In 30)	23,996,000		23,996,000
37	TOTAL NET PLANT IN SERVICE	(Sum of Lines: 33 to 35)	4,095,691,000	NP= 1.000000	4,095,691,000
38	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)			
39	Account No. 281.1 (enter negative)	(Worksheet B, in 2 & in 5.E)	-	NA	-
40	Account No. 282.1 (enter negative)	(Worksheet B, in 7 & in 10.E)	(531,261,000)	DA	(525,167,500)
41	Account No. 283.1 (enter negative)	(Worksheet B, in 12 & in 15.E)	(1,103,000)	DA	(1,103,000)
42	Account No. 190.1	(Worksheet B, in 17 & in 20.E)	3,081,500	DA	3,081,500
43	Account No. 255 (enter negative)	(Worksheet B, in 24 & in 25.E)	-	DA	-
44	TOTAL ADJUSTMENTS	(sum Ins 38 to 42)	(529,282,500)		(523,189,000)
45	PLANT HELD FOR FUTURE USE	(Worksheet A in 44.(e)) in 45.(e)	-	DA	-
46	REGULATORY ASSETS	(Worksheet A in 51.(e))	-	DA	-
47	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A in 54.(e))	-	W/S 1.00000	-
48	WORKING CAPITAL	(Note E)			
49	Cash Working Capital	(1/8 * In 66)	4,207,875		4,207,875
50	Transmission Materials & Supplies	(Worksheet C, in 2.(F))	8,000	TP 1.00000	8,000
51	A&G Materials & Supplies	(Worksheet C, in 3.(F))	-	W/S 1.00000	-
52	Stores Expense	(Worksheet C, in 4.(F))	-	GP 1.00000	-
53	Prepayments (Account 165) - Labor Allocated	(Worksheet C, in 8.(G))	-	W/S 1.00000	-
54	Prepayments (Account 165) - Gross Plant	(Worksheet C, in 8.(F))	2,746,000	GP 1.00000	2,746,000
55	Prepayments (Account 165) - Transmission Only	(Worksheet C, in 8.(E))	-	DA 1.00000	-
56	Prepayments (Account 165) - Unallocable	(Worksheet C, in 8.(D))	-	NA 0.00000	-
57	TOTAL WORKING CAPITAL	(sum Ins 48 to 55)	6,961,875		6,961,875
58	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, in 8.B)	-	DA 1.00000	-
59	RATE BASE (sum Ins 36, 43, 44, 45, 46, 56, 57)		3,573,370,375		3,579,463,875

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	(1)	(2)	(3)	(4)	(5)
	EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	Data Sources (See "General Notes")	TO Total	Allocator	Total Transmission
Line No.	OPERATION & MAINTENANCE EXPENSE				
59	Customer Related Expense	322 & 323.164,171,178.b	-		
60	Regional Marketing Expenses	322.131.b	-		
61	Transmission	321.112.b	38,150,000		
62	TOTAL O&M EXPENSES	(sum Ins 59 to 61)	38,150,000		
63	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	4,487,000		
64	Less: Account 565	(Note H) 321.96.b	-		
65	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, In 4.C)	-		
66	Total O&M Allocable to Transmission	(Ins 61 - 63 - 64 - 65)	33,663,000	TP 1.00000	33,663,000
67	Administrative and General	323.197.b (Notes J & M)	15,689,000		
68	Less: Acct. 924, Property Insurance	323.185.b	710,000		
69	Acct. 928, Reg. Com. Exp.	323.189.b	-		
70	Acct. 930.1, Gen. Advert. Exp.	323.191.b	-		
71	Acct. 930.2, Misc. Gen. Exp.	323.192.b	44,000		
72	Balance of A & G	(In 67 - sum In 68 to In 71)	14,935,000	W/S 1.00000	14,935,000
73	Plus: Acct. 924, Property Insurance	(In 68)	710,000	GP(h) 1.00000	710,000
74	Acct. 928 - Transmission Specific	Worksheet F In 21.(E) (Note L)	-	TP 1.00000	-
75	Acct 930.1 - Only safety related ads -Direct	Worksheet F In 38.(E) (Note L)	-	TP 1.00000	-
76	Acct 930.2 - Misc Gen. Exp. - Trans	#REF!	(57,000)	DA 1.00000	(57,000)
77	PBOP Adjustment	Worksheet O Ln 16.(B), (Note K & M)	791,000	W/S 1.00000	791,000
78	A & G Subtotal	(sum Ins 72 to 77)	16,379,000		16,379,000
79	O & M EXPENSE SUBTOTAL	(In 66 + In 78)	50,042,000		50,042,000
80	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		-	DA 1.00000	-
81	TOTAL O & M EXPENSE	(In 79 + In 80)	50,042,000		50,042,000
82	DEPRECIATION AND AMORTIZATION EXPENSE				
83	Transmission	336.7.f	115,123,000	TP1 1.00000	115,123,000
84	General	336.10.f	4,320,000	W/S 1.00000	4,320,000
85	Intangible	336.1.f	7,640,000	W/S 1.00000	7,640,000
86	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 83+84+85)	127,083,000		127,083,000
87	TAXES OTHER THAN INCOME	(Note N)			
88	Labor Related				
89	Payroll	Worksheet H In 23.(D)	-	W/S 1.00000	-
90	Plant Related				
91	Property	Worksheet H-p2 In 3.(C) & In 3.(G)	191,643,000	DA 1.00000	191,643,000
92	Gross Receipts/Sales & Use	Worksheet H In 23.(F)	21,000	NA 0.00000	-
93	Other	Worksheet H In 23.(E)	863,000	GP 1.00000	863,000
94	TOTAL OTHER TAXES	(sum Ins 89 to 93)	192,527,000		192,506,000
95	INCOME TAXES	(Note O)			
96	$T = 1 - ((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =$		21.14%		
97	$EIT = (T / (1 - T)) * (1 - (WCLTD / WACC)) =$		20.55%		
98	where WCLTD=(In 136) and WACC = (In 139)				
99	and FIT, SIT & p are as given in Note O.				
100	$GRCF = 1 / (1 - T) =$ (from In 96)		1.2681		
101	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	-		
102	Excess Deferred Income Tax	(Note T)	101,000	NP(h) 1.00000	101,000
103	Tax Effect of Permanent and Flow-Through Differences	(Note T)	667,000	NP(h) 1.00000	667,000
104	Income Tax Calculation	(In 97 * In 109)	54,287,427		54,380,011
105	ITC adjustment	(In 100 * In 101)	-	NP(h) 1.00000	-
106	Excess Deferred Income Tax	(In 100 * In 102)	128,079		128,079
107	Tax Effect of Permanent and Flow-Through Differences	(In 100 * In 103)	845,826		845,826
108	TOTAL INCOME TAXES	(sum Ins 104 to 107)	55,261,332		55,353,906
109	RETURN ON RATE BASE (Rate Base*WACC)	(In 58 * In 139)	264,194,326		264,644,844
110	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		-	DA 1.00000	-
111	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. ((F) & (H))		-		-
112	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 111 * In 97)		-		-
113	TOTAL REVENUE REQUIREMENT		689,107,658		689,629,750
	(sum Ins 81, 86, 94, 108, 109, 110, 111, 112)				

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SUPPORTING CALCULATIONS

In No.	TRANSMISSION PLANT INCLUDED IN PJM TARIFF									
114	Total transmission plant	(In 19)							4,305,711,000	
115	Less transmission plant excluded from PJM Tariff	(Worksheet A, In 42.(d)) (Note P)							-	
116	Less transmission plant included in OATT Ancillary Services (Worksheet A, In 42. Col. (b))	(Note Q)							-	
117	Transmission plant included in PJM Tariff	(In 114 - In 115 - In 116)							4,305,711,000	
118	Percent of transmission plant in PJM Tariff	(In 117 / In 114)						TP=	1.00000	
119	WAGES & SALARY ALLOCATOR (W/S)	(Note R)								
120	Line <i>Deliberately Left Blank</i>									
121	Transmission	354.21.b	0	13,191,000	13,191,000	TP	1.00000		13,191,000	
122	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000		-	
123	Line <i>Deliberately Left Blank</i>									
124	Other (Excludes A&G)	354.24.25.26.b	0	0	-	NA	0.00000		-	
125	Total	(sum Ins 121, 122, & 124)	-	13,191,000	13,191,000				13,191,000	
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, In.36, col.(d))							65,065,000	
129	Preferred Dividends	(Worksheet M, In. 45, col.(d))							-	
130	Development of Common Stock:									
131	Proprietary Capital	(Worksheet M, In. 14, col.(b))							2,062,780,000	
132	Less: Preferred Stock	(Worksheet M, In. 14, col.(c))							-	
133	Less: Account 216.1	(Worksheet M, In. 14, col.(d))							-	
134	Less: Account 219	(Worksheet M, In. 14, col.(e))							-	
135	Common Stock	(In 131 - In 132 - In 133 - In 134)							2,062,780,000	
			Capital Structure Percentages							
			\$	%	Cap Limit	Cost (Note S)			Weighted	
136	Long Term Debt (Note S) Worksheet M, In 28, col. (g), In 37, col. (d))		1,704,930,769	45.25%	45.25%	3.82%			0.0173	
137	Preferred Stock (In 132)		-	0.00%	0.00%	0.00%			0.0000	
138	Common Stock (In 135)		2,062,780,000	54.75%	54.75%	10.35%			0.0567	
139	Total (Sum Ins 136 to 138)		3,767,710,769	100.00%				WACC=	0.0739	
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(f)-1(h)(6)(ii). Detailed balances for the projected or actual period, distinguished between utility and non-utility balances, will be filed and posted as part of the informational filing.
The company will not include the ADIT portion of deferred hedge gains and losses in rate base.
- E Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission, as shown on line 66. It excludes:
1) Load Scheduling & Dispatch Charges in account 561 that are collected in the OATT Ancillary Services Revenue, as shown on line 63.
2) Costs of Transmission of Electricity by Others, as described in Note H.
3) The impact of state regulatory deferrals and amortizations, as shown on line 65
4) All A&G Expenses, as shown on line 78.
- F Consistent with Paragraph 657 of Order 2003-A, the amount on line 57 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 110.
- G Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 & 561.8 (lines 16 & 17 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances.
- H Removes cost of transmission service provided by others to determine the basis of cash working capital on line 66. To the extent such service is incurred to provide the PJM service at issue, e.g. lease payments to affiliates, such costs are added back on line 80 to determine the total O&M collected in the formula. The amounts on line80 is also excluded in the calculation of the FCR percentage calculated on lines 6 through 12.

The addbacks on line80 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity.

The company records referenced on line80 is the AEP Ohio Transmission Company general ledger.
- I Removes the impact of state regulatory deferrals or their amortization from Transmission O&M expense.
- J General Plant and Administrative & General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages & Salaries "W/S" allocator. The allocation basis for accounts 924, 928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
- K The Post-employment Benefit Other than Pension (PBOP) expense is fixed based on an approved ratio of PBOP expense to direct labor expense.
- L Expenses reported for these A&G accounts will be included in the cost of service only to the extent they are directly assignable to transmission service. Worksheet F allocates these expense items. Acct 928 includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.
- M See note K above. Recoverable PBOP expense is based on a rate of \$(0.058) cents per dollar of direct labor. This rate may be adjusted up or down every four years based on a comparison of the Allowable TransCo PBOP Expense and the Actual PBOP Expense for a four year Historic and four year Projected period. If the over or under collection is greater than plus or minus 20% of the recoverable amount, an adjustment will be proposed in a Section 205 rate filing.
- N Includes only FICA, unemployment, highway, property and other assessments. Gross receipts, sales & use and taxes related to income are excluded.
- O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT.
A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
(In 101) multiplied by (1/1-T). If the applicable tax rates are zero enter 0.

Inputs Required:
- | | |
|-------|---------------------------------------------------------------------|
| FIT = | 21.00% |
| SIT = | 0.18% (State Income Tax Rate or Composite SIT. Worksheet G)) |
| p = | 0.00% (percent of federal income tax deductible for state purposes) |
- The formula rate shall reflect the applicable state and federal statutory tax rates in effect during the period the calculated estimated unit charges are applicable. If the statutory tax rates change during such period, the effective tax rates used in the formula shall be weighted by the number of days the pre-change rate and post-change rate each is in effect.
- P Removes plant excluded from the OATT because it does not meet the PJM's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
- Q Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note P.
- R Includes functional wages & salaries billed by AEP Service Corporation for support of the operating company.
- S Long Term Debt cost rate = long-term interest (Ln 128)/average long term debt (Ln 136). Preferred Stock cost rate = preferred dividends (Ln 129)/preferred outstanding (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.
- Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax Effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period. Transmission balances for the projected or actual period, will be filed and posted as part of the informational filing.
- T
- U Cash investment in prepaid pension and benefits recorded in FERC Account 165 is permitted to be included in the formula. A labor expense allocation factor will be used to allocate total company costs. All
- V The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.
- W AEP Transmission Companies will record depreciation expense using composites of the depreciation rates shown on Worksheet P which rates will not be changed absent a Section 205 or 206 filing at FERC to seek a change in depreciation rates. No other changes to the formula rate may be included in that filing.

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
Y 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,
Z shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.
The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base.
Per the settlement in EL17-13, equity is limited to 55% 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
AEP Ohio Transmission Company

Line No	Month (a)	Gross Plant In Service				
		Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
		FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5
	(Note A)					
1	December Prior to Rate Year	4,098,158,000	-	157,597,000	-	40,509,000
2	January	4,111,998,000	-	157,848,000	-	40,925,000
3	February	4,126,299,000	-	158,272,000	-	41,406,000
4	March	4,142,529,000	-	158,436,000	-	41,965,000
5	April	4,171,619,000	-	174,509,000	-	42,501,000
6	May	4,218,009,000	-	174,682,000	-	43,030,000
7	June	4,278,061,000	-	174,861,000	-	43,559,000
8	July	4,344,179,000	-	175,098,000	-	44,082,000
9	August	4,407,509,000	-	175,733,000	-	44,602,000
10	September	4,451,539,000	-	175,534,000	-	45,118,000
11	October	4,492,563,000	-	178,057,000	-	45,633,000
12	November	4,538,887,000	-	182,608,000	-	46,146,000
13	December of Rate Year	4,592,896,000	-	189,551,000	-	46,650,000
14	Average of the 13 Monthly Balances	4,305,711,000	-	171,753,000	-	43,548,000

Line No	Month (a)	Accumulated Depreciation				
		Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
		FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, In 21, Col. (b)
	(Note A)					
15	December Prior to Rate Year	338,361,000	-	9,398,000	-	15,827,000
16	January	347,005,000	-	9,794,000	-	16,418,000
17	February	356,207,000	-	10,133,000	-	17,015,000
18	March	365,438,000	-	10,473,000	-	17,620,000
19	April	374,701,000	-	10,813,000	-	18,235,000
20	May	384,023,000	-	11,189,000	-	18,858,000
21	June	393,440,000	-	11,565,000	-	19,491,000
22	July	402,978,000	-	11,942,000	-	20,132,000
23	August	412,650,000	-	12,319,000	-	20,782,000
24	September	422,451,000	-	12,698,000	-	21,440,000
25	October	432,339,000	-	13,076,000	-	22,108,000
26	November	442,312,000	-	13,460,000	-	22,783,000
27	December of Rate Year	452,378,000	-	13,853,000	-	23,468,000
28	Average of the 13 Monthly Balances	394,176,000	-	11,593,000	-	19,552,000

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet A Rate Base
AEP Ohio 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 394,176,000

<u>Plant Held For Future Use</u>	<u>Source of Data</u>	<u>Balance @ December 31, 2021</u>	<u>Balance @ December 31, 2020</u>	<u>Average Balance for 2021</u>
(a)	(b)	(c)	(d)	(e)
44 <u>Plant Held For Future Use</u>	FF1, page 214, ln 47, Col. (d)	-	-	-
45 <u>Transmission Plant Held For Future Use (Included in total on line 4</u>	Company Records - Note 1	-	-	-

Regulatory Assets and Liabilities Approved for Recovery In Ratebase

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

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

Unfunded Reserves Summary (Company Records)

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

52	<u>Description</u>	<u>Account</u>			
53a					-
53b					-
54		Total	-	-	-

NOTE 1: On this worksheet, "Company Records" refers to AEP's property accounting ledger.
NOTE 2: The ratebase should not include the unamortized balance of hedging gains or losses.

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

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Source</u>	<u>(C) Balance @ December 31, 2021</u>	<u>(D) Balance @ December 31, 2020</u>	<u>(E) Average Balance for 2021</u>
1	<u>Account 281</u>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, In 8, Col. (k)	-	-	-
3	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 4 (Note 1)	-	-	-
4	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 3 (Note 1)	-	-	-
5	Transmission Related Deferrals	Ln 2 - In 3 - In 4	-	-	-
6	<u>Account 282</u>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, In 5, Col. (k)	542,556,000	519,966,000	531,261,000
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)	12,187,000	-	6,093,500
10	Transmission Related Deferrals	Ln 7 - In 8 - In 9	530,369,000	519,966,000	525,167,500
11	<u>Account 283</u>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, In 9, Col. (k)	1,040,000	1,166,000	1,103,000
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	-	-	-
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	-	-	-
15	Transmission Related Deferrals	Ln 12 - In 13 - In 14	1,040,000	1,166,000	1,103,000
16	<u>Account 190</u>				
17	Year End Utility Deferrals	FF1, p. 234, In 8, Col. (c)	3,895,000	2,268,000	3,081,500
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 - In 18 - In 19	3,895,000	2,268,000	3,081,500
21	<u>Account 255</u>				
22	Year End ITC Balances	FF1, p. 266-267, In 8, Col. (h)			-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1			-
24	ITC Balances Includeable in Ratebase	Ln 22 - In 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)			-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section 1.167(l)-(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksheet B.

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

COLUMN A		COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2020			FUNCTIONALIZATION 12/31/2021		
ACCUMULATED DEFERRED FIT ITEMS		BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	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				0	0	0									
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:														
5.38		0	0			0	0	0	0						
5.39				0	0	0									
5.40				0	0	0									
5.41				0	0	0									
6	TOTAL ACCOUNT 282	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	ACCOUNT 282 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	ACCOUNT 283:														
9.04				0	0	0									
9.05				0	0	0									
9.06				0	0	0									
9.07				0	0	0									
9.08				0	0	0									
9.09				0	0	0									
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	DEFD STATE INCOME TAXES	0	0			0	0	0	0						
11.01				0	0	0									
12	TOTAL ACCOUNT 283	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	ACCOUNT 283 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	JURISDICTIONAL AMOUNTS FUNCTIONALIZED														
15	TOTAL COMPANY AMOUNTS FUNCTIONALIZED														
16	REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANET														
17	NOTE: POST 1970 ACCUMULATED DEFERRED														
18	INV TAX CRED. (JDTCT) IN AC 255														
18.01		0	0			0	0	0	0						
18.02		0	0			0	0	0	0						
19															
20	TOTAL ACCOUNT 255	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

A		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q		R	
																Tax Expense Entries										12/31/2019 Ending Balance									
																1/1/2019 Beginning Balance										Tax Expense Entries									
																12/31/2019 Ending Balance										Tax Expense Entries									
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																12/31/2																			

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 utility 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 fourth 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 recorded 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 assets up to recorded on regulatory assets and liabilities will be recorded 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 410411 account.

NOTE E

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

(A)

(B)

(C)

(D)

(E)

(F)

(G)

(H)

(I)

Materials & Supplies

Line Number

Source

Balance @ December 31, 2021

Balance @ December 31, 2020

Average Balance for 2021

1

2

3

4

Transmission Materials & Supplies

General Materials & Supplies

Stores Expense (Undistributed) - Account 163

FF1, p. 227, In 8, Col. (c) & (b)

FF1, p. 227, In 11, Col. (c) & (b)

FF1, p. 227, In 16, Col. (c) & (b)

8,000

8,000

-

-

8,000

-

-

Prepayment Balance Summary (Note 1)

Average of YE Balance

Excludable Balances

100% Transmission Related

Transmission Plant Related

Transmission Labor Related

Total Included in Ratebase (E)+(F)+(G)

5

6

7

8

Totals as of December 31, 2021

Totals as of December 31, 2020

Average Balance

2,746,000

0

0

2,746,000

0

2,746,000

2,746,000

0

0

2,746,000

-

2,746,000

Prepayments Account 165 - Balance @ 12/31/2021

Acc. No.

Description

2021 YE Balance

Excludable Balances

100% Transmission Related

Transmission Plant Related

Transmission Labor Related

Total Included in Ratebase (E)+(F)+(G)

Explanation

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1650001

165000214

165000219

1650006

165001217

165001219

1650021

1650023

Prepaid Insurance

Prepaid Taxes

Prepaid Taxes

Other Prepayments

Prepaid Use Taxes

Prepaid Use Taxes

Prepaid Insurance EIS

Prepaid Lease

280,000

0

0

1,915,000

0

49,000

219,000

283,000

-

-

-

-

-

-

-

-

280,000

-

-

1,915,000

-

49,000

219,000

283,000

280,000

-

-

1,915,000

-

49,000

219,000

283,000

Plant Related Insurance Policies

Prepaid Transmission Projects

Prepaid Use Taxes

Plant Related Insurance Policies

Prepaid Lease

Subtotal - Form 1, p 111.57.c

2,746,000

0

0

2,746,000

0

2,746,000

Prepayments Account 165 - Balance @ 12/31/ 2020

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

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

1650001

165000214

165000219

1650006

165001217

165001219

1650021

1650023

Prepaid Insurance

Prepaid Taxes

Prepaid Taxes

Other Prepayments

Prepaid Use Taxes

Prepaid Use Taxes

Prepaid Insurance EIS

Prepaid Lease

280,000

0

0

1,915,000

0

49,000

219,000

283,000

-

-

-

-

-

-

-

-

280,000

-

-

1,915,000

-

49,000

219,000

283,000

280,000

-

-

1,915,000

-

49,000

219,000

283,000

Plant Related Insurance Policies

Prepaid Transmission Projects

Prepaid Use Taxes

Plant Related Insurance Policies

Prepaid Lease

Subtotal - Form 1, p 111.57.d

2,746,000

0

0

2,746,000

0

2,746,000

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

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

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

Note 1 On this worksheet Company Records refers to AEP Ohio Transmission Company's general ledger.

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet E Supporting Revenue Credits
AEP Ohio Transmission Company

<u>Line Number</u>	<u>Description</u>	<u>Total Company</u>	<u>Non- Transmission</u>	<u>Transmission</u>
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)		-	
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)		-	
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	5,139,000	-	5,139,000
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)		-	
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	675,543,000	675,543,000	
5a	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)		-	
5b	Account 457.2, Miscellaneous Revenues (FF1 p.300.24.(b); Company Records - Note 1)		-	
6	Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))	680,682,000	675,543,000	5,139,000
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	680,682,000	675,543,000	5,139,000
9	Facility Credits under PJM OATT Section 30.9			3,343,128

Note 1 The total company data on this worksheet comes from the indicated FF1 source, or AEP Ohio 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
AEP Ohio Transmission Company

Formula Rate
WS F Misc Exp
Page 17 of 56

	(A)	(B)	(C)	(D)	(E)	(F)
<u>Line</u>	<u>Item No.</u>	<u>Description</u>	<u>2021</u>	<u>100%</u>	<u>100%</u>	
<u>Number</u>			<u>Expense</u>	<u>Non-Transmission</u>	<u>Transmission</u>	<u>Explanation</u>
					<u>Specific</u>	
<u>Regulatory O&M Deferrals & Amortizations</u>						
1						
2						
3						
4		Total	-			
<u>Detail of Account 561 Per FERC Form 1</u>						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	-			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	2,769,000			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling	-			
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	-			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	1,718,000			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	-			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	-			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	-			
14		Total of Account 561	4,487,000			
<u>Account 928</u>						
15				-	-	
16				-	-	
17				-	-	
18				-	-	
19				-	-	
20				-	-	
21		Total (FERC Form 1 p.323.189.b)	-	-	-	
<u>Account 930.1</u>						
22				-	-	
23				-	-	
24				-	-	
25				-	-	
26				-	-	
27				-	-	
28				-	-	
29				-	-	
30				-	-	
31				-	-	
32				-	-	
33				-	-	
34				-	-	
35				-	-	
36				-	-	
37				-	-	
38		Total (FERC Form 1 p.323.191.b)	-	-	-	
<u>Account 930.2</u>						
39	9302000	Misc General Expenses	91,000	91,000	-	
40	9302003	Corporate & Fiscal Expenses	10,000	10,000	-	
#REF!	9302007	Assoc Business Development Exp	(57,000)	-	(57,000)	
#REF!		Total (FERC Form 1 p.323.192.b)	44,000	101,000	(57,000)	

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

1	Ohio State Tax Rate	1.49%	
	Apportionment Factor - Note 1	12.18%	
	Effective State Tax Rate		0.18%
2	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
3	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
4	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
5	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
	Total Effective State Income Tax Rate		<u>0.18%</u>

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
AEP Ohio 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	1,000				1,000
3	Real Estate and Personal Property Taxes					
4	Real and Personal Property - Ohio	191,643,000	191,643,000			
5	Real and Personal Property -	-	-			
6	Real and Personal Property -	-	-			
7	Real and Personal Property - Other Jurisdictions	-	-			
8	Payroll Taxes					
9	Federal Insurance Contribution (FICA)	-		-		
10	Federal Unemployment Tax	-		-		
11	State Unemployment Insurance	-		-		
12	<i>Line Deliberately Left Blank</i>					
13	State Severance Taxes	-				-
14	Miscellaneous Taxes					
15	State Business & Occupation Tax	-				-
16	State Public Service Commission Fees	863,000			863,000	
17	State Franchise Taxes	-			-	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	20,000				20,000
21	Federal Excise Tax	-				-
22	Michigan Single Business Tax	-				-
23	Total Taxes by Allocable Basis	192,527,000	191,643,000	-	863,000	21,000

(Total Company Amount Ties to FFI p.114, Ln 14,(c))

NOTE 1: The detail of each total company number and its source in the FERC Form 1 is shown on WS H-1.

Functional Property Tax Allocation

	Lines 24-58 Column (B) Deliberately Left Blank	Transmission	Lines 24-58 Column (D) Deliberately Left Blank	General	Total
24	Functionalized Net Plant (TCOS, Lns 33 thru 36)	-	3,911,535,000	-	4,071,695,000
25	OHIO JURISDICTION				
26	Percentage of Plant in OHIO JURISDICTION	100%		100.00%	
27	Net Plant in OHIO JURISDICTION (Ln 24 * Ln 25)	-	3,911,535,000	-	4,071,695,000
28	Less: Net Value of Exempted Generation Plant	-	-	-	-
29	Taxable Property Basis (Ln 26 - Ln 27)	-	3,911,535,000	-	4,071,695,000
30	Relative Valuation Factor	-	-	-	-
31	Weighted Net Plant (Ln 28 * Ln 29)	-	-	-	-
32	General Plant Allocator (Ln 30 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%
33	Functionalized General Plant (Ln 31 * General Plant)	-	-	-	-
34	Weighted OHIO JURISDICTION Plant (Ln 30 + 32)	-	-	-	-
35	Functional Percentage (Ln 33/Total Ln 33)	0.00%	100.00%	0.00%	
36	JURISDICTION				
37	Net Plant in JURISDICTION (Ln 24 - Ln 26)	-	-	-	-
38	Less: Net Value Exempted Generation Plant	-	-	-	-
39	Taxable Property Basis	-	-	-	-
40	Relative Valuation Factor	-	-	-	-
41	Weighted Net Plant (Ln 37 * Ln 38)	-	-	-	-
42	General Plant Allocator (Ln 39 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%
43	Functionalized General Plant (Ln 41 * General Plant)	-	-	-	-
44	Weighted JURISDICTION Plant (Ln 39 + 41)	-	-	-	-
45	Functional Percentage (Ln 42/Total Ln 42)	0.00%	100.00%	0.00%	

(A)		(B)	(C)	(D)
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference
1	Revenue Taxes			
2	Gross Receipts Tax	1,000	1,000	P.263.1 ln 7 (i) P.263.2 ln 3 (i) P.263.2 ln 4 (i)
(A)		(B)	(C)	(D)
"Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)"		Tax Year	FERC FORM 1 Tie-Back	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)	191,643,000		
4	Real and Personal Property - Ohio	191,643,000	191,643,000	100%
5	Real and Personal Property - Virginia	-	-	-
6	Real and Personal Property - Tennessee	-	-	-
7	Real and Personal Property - Other Jurisdictions	-	-	-

(A)		(B)	(C)	(D)
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference
8	Payroll Taxes			
9	Federal Insurance Contribution (FICA)	-	-	P.263 ln 6 (i)
10	Federal Unemployment Tax	-	-	P.263 ln 9 (i)
11	State Unemployment Insurance	-	-	P.263.1 ln 23 (i) P.263.2 ln 33 (i) P.263.3 ln 16 (i)
12	<i>Line Left Deliberately Blank</i>			
13	State Severance Taxes	-	-	
14	Miscellaneous Taxes			
15	State Business & Occupation Tax	-	-	P.263 ln 21 (i) P.263 ln 22 (i)
16	State Public Service Commission Fees	863,000	863,000	P.263 ln 26 (i) P.263 ln 27 (i) P.263.3 ln 20 (i)
17	State Franchise Taxes	-	-	P.263 ln 12 (i) P.263 ln 13 (i) P.263.1 ln 34 (i) P.263.2 ln 10 (i) P.263.2 ln 11 (i) P.263.2 ln 38 (i) P.263.2 ln 39 (i) P.263.3 ln 27 (i) P.263.3 ln 28 (i) P.263.4 ln 20 (i) P.263.4 ln 27 (i)
18	State Lic/Registration Fee	-	-	P.263.1 ln 15 (i) P.263.2 ln 13 (i) P.263.3 ln 8 (i) P.263.4 ln 21 (i)
19	Misc. State and Local Tax	-	-	P.263.1 ln 12 (i)
20	Sales & Use	20,000	20,000	P.263 ln 16 (i) P.263 ln 31(i) P.263.2 ln 16 (i) P.263.2 ln 17 (i) P.263.3 ln 21 (i)
21	Federal Excise Tax	-	-	P.263 ln 13 (i) P.263 ln 14 (i)
22	Michigan Single Business Tax	-	-	
23	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14.(c))	192,527,000	192,527,000	

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

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

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

Reserved for Future Use

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

Page 1 of 23

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

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

ROE w/o incentives (TCOS, ln 138)		10.35%
Project ROE Incentive Adder	0	
ROE with additional 0 basis point incentive		10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 136 through 138)		
	%	Cost
Long Term Debt	45.25%	3.82%
Preferred Stock	0.00%	0.00%
Common Stock	54.75%	10.35%
	R =	7.393%

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

Rate Base (TCOS, ln 58)	3,579,463,875
R (from A. above)	7.393%
Return (Rate Base x R)	264,644,844

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

Return (from B. above)	264,644,844
Effective Tax Rate (TCOS, ln 97)	20.55%
Income Tax Calculation (Return x CIT)	54,380,001
ITC Adjustment	-
Excess Deferred Income Tax	128,079
Tax Affect of Permanent Differences	845,826
Income Taxes	55,353,906

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS				
	Rev Require	W Incentives	Incentive Amounts	
PROJECTED YEAR	2021	44,688,022	44,688,022	\$ -

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)	689,629,750
Lease Payments (TCOS, Ln 80)	-
Return (TCOS, ln 109)	264,644,844
Income Taxes (TCOS, ln 108)	55,353,906
Annual Revenue Requirement, Less Return and Taxes	369,631,000

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

Annual Revenue Requirement, Less Return and Taxes	369,631,000
Return (from I.B. above)	264,644,844
Income Taxes (from I.C. above)	55,353,906
Annual Revenue Requirement, with 0 Basis Point ROE increase	689,629,750
Depreciation & Amortization (TCOS, ln 83)	115,123,000
Annual Rev. Req. w/0 Basis Point ROE increase, less Depreciation	574,506,750

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

Net Transmission Plant (Projected TCOS, ln 33)	3,911,535,000
Annual Revenue Requirement, with 0 Basis Point ROE increase	689,629,750
FCR with 0 Basis Point increase in ROE	17.63%
Annual Rev. Req. w / 0 Basis Point ROE increase, less Dep.	574,506,750
FCR with 0 Basis Point ROE increase, less Depreciation	14.69%
FCR less Depreciation (TCOS, ln 10)	14.69%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2021 TCOS, ln 19	4,305,711,000
Annual Depreciation and Amortization Expense (TCOS, ln 83)	115,123,000
Composite Depreciation Rate	2.67%
Depreciable Life for Composite Depreciation Rate	37.40
Average Life in Whole Years	37

Note 1: Until AEP Ohio 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. ER06-1329. The calculation for AEP Ohio Transmission Company is shown on Worksheet P.

AEP Ohio Transmission Company Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b0570 (LIMA-STERLING 138 KV LINE: REB)

Current Projected Year ARR	1,457,959
Current Projected Year ARR w/ Incentive	1,457,959
Current Projected Year Incentive ARR	-

Details					
Investment	10,402,068	Current Year	2021		
Service Year (yyyv)	2012	ROE increase accepted by FERC (Basis Points)	-		
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%		
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%		
CIAC (Yes or No)	No	Annual Depreciation Expense	281,137		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **
2012	10,402,068	-	10,402,068	1,527,804	1,527,804
2013	10,402,068	281,137	10,120,931	1,788,295	1,788,295
2014	10,120,931	281,137	9,839,794	1,747,003	1,747,003
2015	9,839,794	281,137	9,558,657	1,705,711	1,705,711
2016	9,558,657	281,137	9,277,520	1,664,419	1,664,419
2017	9,277,520	281,137	8,996,383	1,623,127	1,623,127
2018	8,996,383	281,137	8,715,246	1,581,835	1,581,835
2019	8,715,246	281,137	8,434,109	1,540,543	1,540,543
2020	8,434,109	281,137	8,152,972	1,499,251	1,499,251
2021	8,152,972	281,137	7,871,835	1,457,959	1,457,959
2022	7,871,835	281,137	7,590,698	1,416,667	1,416,667
2023	7,590,698	281,137	7,309,561	1,375,375	1,375,375
2024	7,309,561	281,137	7,028,424	1,334,083	1,334,083
2025	7,028,424	281,137	6,747,287	1,292,791	1,292,791
2026	6,747,287	281,137	6,466,150	1,251,499	1,251,499
2027	6,466,150	281,137	6,185,013	1,210,207	1,210,207
2028	6,185,013	281,137	5,903,876	1,168,915	1,168,915
2029	5,903,876	281,137	5,622,739	1,127,623	1,127,623
2030	5,622,739	281,137	5,341,602	1,086,331	1,086,331
2031	5,341,602	281,137	5,060,466	1,045,039	1,045,039
2032	5,060,466	281,137	4,779,329	1,003,747	1,003,747
2033	4,779,329	281,137	4,498,192	962,455	962,455
2034	4,498,192	281,137	4,217,055	921,163	921,163
2035	4,217,055	281,137	3,935,918	879,871	879,871
2036	3,935,918	281,137	3,654,781	838,579	838,579
2037	3,654,781	281,137	3,373,644	797,287	797,287
2038	3,373,644	281,137	3,092,507	755,995	755,995
2039	3,092,507	281,137	2,811,370	714,703	714,703
2040	2,811,370	281,137	2,530,233	673,411	673,411
2041	2,530,233	281,137	2,249,096	632,119	632,119
2042	2,249,096	281,137	1,967,959	590,827	590,827
2043	1,967,959	281,137	1,686,822	549,535	549,535
2044	1,686,822	281,137	1,405,685	508,243	508,243
2045	1,405,685	281,137	1,124,548	466,951	466,951
2046	1,124,548	281,137	843,411	425,659	425,659
2047	843,411	281,137	562,274	384,367	384,367
2048	562,274	281,137	281,137	343,075	343,075
2049	281,137	281,137	0	301,783	301,783
2050	0	0	-	0	0
2051	-	-	-	-	-
2052	-	-	-	-	-
2053	-	-	-	-	-
2054	-	-	-	-	-
2055	-	-	-	-	-
2056	-	-	-	-	-
2057	-	-	-	-	-
2058	-	-	-	-	-
2059	-	-	-	-	-
2060	-	-	-	-	-
2061	-	-	-	-	-
2062	-	-	-	-	-
2063	-	-	-	-	-
2064	-	-	-	-	-
2065	-	-	-	-	-
2066	-	-	-	-	-
2067	-	-	-	-	-
2068	-	-	-	-	-
2069	-	-	-	-	-
2070	-	-	-	-	-
2071	-	-	-	-	-
Project Totals	10,402,068			40,194,243	40,194,243

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:					
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.					
RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 747,660	\$ 747,660	\$ 1,093,790	\$ 1,093,790		
\$ 1,212,574	\$ 1,212,574	\$ 1,166,857	\$ 1,166,857		
\$ 1,271,115	\$ 1,271,115	\$ 1,517,047	\$ 1,517,047		
\$ 1,527,231	\$ 1,527,231	\$ 1,559,917	\$ 1,559,917		
\$ 1,626,376	\$ 1,626,376				

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

Page 3 of 23

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: b1231 (WAPAKONETA-WEST MOULTON 138/69KV Transformer)

Current Projected Year ARR	473,117
Current Projected Year ARR w/ Incentive	473,117
Current Projected Year Incentive ARR	-

Details			
Investment	3,473,922	Current Year	2021
Service Year (vvy)	2011	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	93,890

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2011	3,473,922	-	3,473,922	510,232	510,232	\$ -
2012	3,473,922	93,890	3,380,032	597,227	597,227	\$ -
2013	3,380,032	93,890	3,286,142	583,437	583,437	\$ -
2014	3,286,142	93,890	3,192,253	569,647	569,647	\$ -
2015	3,192,253	93,890	3,098,363	555,857	555,857	\$ -
2016	3,098,363	93,890	3,004,473	542,067	542,067	\$ -
2017	3,004,473	93,890	2,910,583	528,277	528,277	\$ -
2018	2,910,583	93,890	2,816,694	514,487	514,487	\$ -
2019	2,816,694	93,890	2,722,804	500,697	500,697	\$ -
2020	2,722,804	93,890	2,628,914	486,907	486,907	\$ -
2021	2,628,914	93,890	2,535,024	473,117	473,117	\$ -
2022	2,535,024	93,890	2,441,134	459,326	459,326	\$ -
2023	2,441,134	93,890	2,347,245	445,536	445,536	\$ -
2024	2,347,245	93,890	2,253,355	431,746	431,746	\$ -
2025	2,253,355	93,890	2,159,465	417,956	417,956	\$ -
2026	2,159,465	93,890	2,065,575	404,166	404,166	\$ -
2027	2,065,575	93,890	1,971,685	390,376	390,376	\$ -
2028	1,971,685	93,890	1,877,796	376,586	376,586	\$ -
2029	1,877,796	93,890	1,783,906	362,796	362,796	\$ -
2030	1,783,906	93,890	1,690,016	349,006	349,006	\$ -
2031	1,690,016	93,890	1,596,126	335,216	335,216	\$ -
2032	1,596,126	93,890	1,502,237	321,426	321,426	\$ -
2033	1,502,237	93,890	1,408,347	307,636	307,636	\$ -
2034	1,408,347	93,890	1,314,457	293,846	293,846	\$ -
2035	1,314,457	93,890	1,220,567	280,056	280,056	\$ -
2036	1,220,567	93,890	1,126,677	266,266	266,266	\$ -
2037	1,126,677	93,890	1,032,788	252,476	252,476	\$ -
2038	1,032,788	93,890	938,898	238,685	238,685	\$ -
2039	938,898	93,890	845,008	224,895	224,895	\$ -
2040	845,008	93,890	751,118	211,105	211,105	\$ -
2041	751,118	93,890	657,228	197,315	197,315	\$ -
2042	657,228	93,890	563,339	183,525	183,525	\$ -
2043	563,339	93,890	469,449	169,735	169,735	\$ -
2044	469,449	93,890	375,559	155,945	155,945	\$ -
2045	375,559	93,890	281,669	142,155	142,155	\$ -
2046	281,669	93,890	187,780	128,365	128,365	\$ -
2047	187,780	93,890	93,890	114,575	114,575	\$ -
2048	93,890	93,890	0	100,785	100,785	\$ -
2049	0	0	-	0	0	\$ -
2050	-	-	-	-	-	\$ -
2051	-	-	-	-	-	\$ -
2052	-	-	-	-	-	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -

Project Totals 3,473,922 13,423,453 13,423,453 -

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

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

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

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

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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: b1034.1 (South Canton - West Canton 138kV line and Wagenhals - Wayview 138kV

Current Projected Year ARR	1,200,102
Current Projected Year ARR w/ Incentive	1,200,102
Current Projected Year Incentive ARR	-

Details				2021
Investment	8,345,675	Current Year		-
Service Year (vwy)	2019	ROE increase accepted by FERC (Basis Points)		-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	14.69%	-
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%	-
CIAC (Yes or No)	No	Annual Depreciation Expense	225,559	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2013	8,345,675	18,797	8,326,878	1,243,187	1,243,187	\$ -	\$ 443,007	\$ 443,007		
2014	8,326,878	225,559	8,101,320	1,432,005	1,432,005	\$ -	\$ 964,332	\$ 964,332		
2015	8,101,320	225,559	7,875,761	1,386,876	1,386,876	\$ -	\$ 1,065,163	\$ 1,065,163		
2016	7,875,761	225,559	7,650,202	1,365,747	1,365,747	\$ -	\$ 1,173,750	\$ 1,173,750		
2017	7,650,202	225,559	7,424,643	1,332,618	1,332,618	\$ -	\$ 1,404,427	\$ 1,404,427		
2018	7,424,643	225,559	7,199,085	1,299,489	1,299,489	\$ -	\$ 1,247,990	\$ 1,247,990		
2019	7,199,085	225,559	6,973,526	1,266,360	1,266,360	\$ -	\$ 1,276,918	\$ 1,276,918		
2020	6,973,526	225,559	6,747,967	1,233,231	1,233,231	\$ -	\$ 1,334,247	\$ 1,334,247		
2021	6,747,967	225,559	6,522,408	1,200,102	1,200,102	\$ -				
2022	6,522,408	225,559	6,296,849	1,166,973	1,166,973	\$ -				
2023	6,296,849	225,559	6,071,291	1,133,844	1,133,844	\$ -				
2024	6,071,291	225,559	5,845,732	1,100,715	1,100,715	\$ -				
2025	5,845,732	225,559	5,620,173	1,067,586	1,067,586	\$ -				
2026	5,620,173	225,559	5,394,614	1,034,457	1,034,457	\$ -				
2027	5,394,614	225,559	5,169,055	1,001,328	1,001,328	\$ -				
2028	5,169,055	225,559	4,943,497	968,199	968,199	\$ -				
2029	4,943,497	225,559	4,717,938	935,070	935,070	\$ -				
2030	4,717,938	225,559	4,492,379	901,941	901,941	\$ -				
2031	4,492,379	225,559	4,266,820	868,813	868,813	\$ -				
2032	4,266,820	225,559	4,041,262	835,684	835,684	\$ -				
2033	4,041,262	225,559	3,815,703	802,555	802,555	\$ -				
2034	3,815,703	225,559	3,590,144	769,426	769,426	\$ -				
2035	3,590,144	225,559	3,364,585	736,297	736,297	\$ -				
2036	3,364,585	225,559	3,139,026	703,168	703,168	\$ -				
2037	3,139,026	225,559	2,913,468	670,039	670,039	\$ -				
2038	2,913,468	225,559	2,687,909	636,910	636,910	\$ -				
2039	2,687,909	225,559	2,462,350	603,781	603,781	\$ -				
2040	2,462,350	225,559	2,236,791	570,652	570,652	\$ -				
2041	2,236,791	225,559	2,011,232	537,523	537,523	\$ -				
2042	2,011,232	225,559	1,785,674	504,394	504,394	\$ -				
2043	1,785,674	225,559	1,560,115	471,265	471,265	\$ -				
2044	1,560,115	225,559	1,334,556	438,136	438,136	\$ -				
2045	1,334,556	225,559	1,108,997	405,007	405,007	\$ -				
2046	1,108,997	225,559	883,439	371,878	371,878	\$ -				
2047	883,439	225,559	657,880	338,749	338,749	\$ -				
2048	657,880	225,559	432,321	305,620	305,620	\$ -				
2049	432,321	225,559	206,762	272,491	272,491	\$ -				
2050	206,762	206,762	-	221,946	221,946	\$ -				
2051	-	-	-	-	-	\$ -				
2052	-	-	-	-	-	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
Project Totals	8,345,675			32,146,064	32,146,064	-				

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

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1034.8 (138kV Circuit Breakers at the West Canton, South Canton, Canton Central, and Wagenhals stations)

Current Projected Year ARR	620,49
Current Projected Year ARR w/ Incentive	620,49
Current Projected Year Incentive ARR	

Details				
Investment	4,305,129	Current Year		2021
Service Year (vvvv)	2013	ROE increase accepted by FERC (Basis Points)		
Service Month (1-12)	12	FCR w/o incentives, less depreciation		
Useful life	37	FCR w/incentives approved for these facilities, less dep.		
CIAC (Yes or No)	No	Annual Depreciation Expense		
				116,355

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year		Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **
2013		4,305,129		4,305,129	632,316	632,316	\$ -	\$ 244,284	\$ 244,284
2014		4,305,129	116,355	4,188,774	740,126	740,126	\$ -	\$ 568,269	\$ 568,269
2015		4,188,774	116,355	4,072,419	723,036	723,036	\$ -	\$ 554,603	\$ 554,603
2016		4,072,419	116,355	3,956,064	705,947	705,947	\$ -	\$ 606,319	\$ 606,319
2017		3,956,064	116,355	3,839,710	688,857	688,857	\$ -	\$ 725,644	\$ 725,644
2018		3,839,710	116,355	3,723,355	671,767	671,767	\$ -	\$ 644,941	\$ 644,941
2019		3,723,355	116,355	3,607,000	654,678	654,678	\$ -	\$ 659,891	\$ 659,891
2020		3,607,000	116,355	3,490,645	637,588	637,588	\$ -	\$ 689,652	\$ 689,652
2021		3,490,645	116,355	3,374,290	620,499	620,499	\$ -		
2022		3,374,290	116,355	3,257,935	603,409	603,409	\$ -		
2023		3,257,935	116,355	3,141,581	586,319	586,319	\$ -		
2024		3,141,581	116,355	3,025,226	569,230	569,230	\$ -		
2025		3,025,226	116,355	2,908,871	552,140	552,140	\$ -		
2026		2,908,871	116,355	2,792,516	535,050	535,050	\$ -		
2027		2,792,516	116,355	2,676,161	517,961	517,961	\$ -		
2028		2,676,161	116,355	2,559,806	500,871	500,871	\$ -		
2029		2,559,806	116,355	2,443,452	483,782	483,782	\$ -		
2030		2,443,452	116,355	2,327,097	466,692	466,692	\$ -		
2031		2,327,097	116,355	2,210,742	449,602	449,602	\$ -		
2032		2,210,742	116,355	2,094,387	432,513	432,513	\$ -		
2033		2,094,387	116,355	1,978,032	415,423	415,423	\$ -		
2034		1,978,032	116,355	1,861,677	398,334	398,334	\$ -		
2035		1,861,677	116,355	1,745,323	381,244	381,244	\$ -		
2036		1,745,323	116,355	1,628,968	364,154	364,154	\$ -		
2037		1,628,968	116,355	1,512,613	347,065	347,065	\$ -		
2038		1,512,613	116,355	1,396,258	329,975	329,975	\$ -		
2039		1,396,258	116,355	1,279,903	312,885	312,885	\$ -		
2040		1,279,903	116,355	1,163,548	295,796	295,796	\$ -		
2041		1,163,548	116,355	1,047,194	278,706	278,706	\$ -		
2042		1,047,194	116,355	930,839	261,617	261,617	\$ -		
2043		930,839	116,355	814,484	244,527	244,527	\$ -		
2044		814,484	116,355	698,129	227,437	227,437	\$ -		
2045		698,129	116,355	581,774	210,348	210,348	\$ -		
2046		581,774	116,355	465,419	193,258	193,258	\$ -		
2047		465,419	116,355	349,065	176,169	176,169	\$ -		
2048		349,065	116,355	232,710	159,079	159,079	\$ -		
2049		232,710	116,355	116,355	141,989	141,989	\$ -		
2050		116,355	116,355	0	124,900	124,900	\$ -		
2051		0	0		0	0	\$ -		
2052		-	-	-	-	-	\$ -		
2053		-	-	-	-	-	\$ -		
2054		-	-	-	-	-	\$ -		
2055		-	-	-	-	-	\$ -		
2056		-	-	-	-	-	\$ -		
2057		-	-	-	-	-	\$ -		
2058		-	-	-	-	-	\$ -		
2059		-	-	-	-	-	\$ -		
2060		-	-	-	-	-	\$ -		
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2062		-	-	-	-	-	\$ -		
2063		-	-	-	-	-	\$ -		
2064		-	-	-	-	-	\$ -		
2065		-	-	-	-	-	\$ -		
2066		-	-	-	-	-	\$ -		
2067		-	-	-	-	-	\$ -		
2068		-	-	-	-	-	\$ -		
2069		-	-	-	-	-	\$ -		
2070		-	-	-	-	-	\$ -		
2071		-	-	-	-	-	\$ -		
2072		-	-	-	-	-	\$ -		

Project Totals

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1864.2 (West Bellaire-Brues 138 kV Circuit)

Current Projected Year ARR	154,432
Current Projected Year ARR w/ Incentive	154,432
Current Projected Year Incentive ARR	-

Details						
Investment	1,076,416	Current Year				2021
Service Year (yyy)	2019	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	10	FCR w/o incentives, less depreciation				14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.				14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense				29,092
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	1,076,416	4,849	1,071,567	162,591	162,591	\$ -
2014	1,071,567	29,092	1,042,475	184,342	184,342	\$ -
2015	1,042,475	29,092	1,013,383	180,069	180,069	\$ -
2016	1,013,383	29,092	984,290	175,796	175,796	\$ -
2017	984,290	29,092	955,198	171,524	171,524	\$ -
2018	955,198	29,092	926,106	167,251	167,251	\$ -
2019	926,106	29,092	897,013	162,978	162,978	\$ -
2020	897,013	29,092	867,921	158,705	158,705	\$ -
2021	867,921	29,092	838,829	154,432	154,432	\$ -
2022	838,829	29,092	809,736	150,159	150,159	\$ -
2023	809,736	29,092	780,644	145,886	145,886	\$ -
2024	780,644	29,092	751,552	141,613	141,613	\$ -
2025	751,552	29,092	722,459	137,340	137,340	\$ -
2026	722,459	29,092	693,367	133,067	133,067	\$ -
2027	693,367	29,092	664,275	128,794	128,794	\$ -
2028	664,275	29,092	635,182	124,521	124,521	\$ -
2029	635,182	29,092	606,090	120,248	120,248	\$ -
2030	606,090	29,092	576,998	115,975	115,975	\$ -
2031	576,998	29,092	547,905	111,702	111,702	\$ -
2032	547,905	29,092	518,813	107,429	107,429	\$ -
2033	518,813	29,092	489,721	103,157	103,157	\$ -
2034	489,721	29,092	460,628	98,884	98,884	\$ -
2035	460,628	29,092	431,536	94,611	94,611	\$ -
2036	431,536	29,092	402,444	90,338	90,338	\$ -
2037	402,444	29,092	373,351	86,065	86,065	\$ -
2038	373,351	29,092	344,259	81,792	81,792	\$ -
2039	344,259	29,092	315,167	77,519	77,519	\$ -
2040	315,167	29,092	286,075	73,246	73,246	\$ -
2041	286,075	29,092	256,982	68,973	68,973	\$ -
2042	256,982	29,092	227,890	64,700	64,700	\$ -
2043	227,890	29,092	198,798	60,427	60,427	\$ -
2044	198,798	29,092	169,705	56,154	56,154	\$ -
2045	169,705	29,092	140,613	51,881	51,881	\$ -
2046	140,613	29,092	111,521	47,608	47,608	\$ -
2047	111,521	29,092	82,428	43,335	43,335	\$ -
2048	82,428	29,092	53,336	39,063	39,063	\$ -
2049	53,336	29,092	24,244	34,790	34,790	\$ -
2050	24,244	24,244	-	26,024	26,024	\$ -
2051	-	-	-	-	-	\$ -
2052	-	-	-	-	-	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
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2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
Project Totals		1,076,416		4,132,989	4,132,989	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.				
RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 124,755	\$ 124,755			
\$ 140,765	\$ 140,765			
\$ 137,783	\$ 137,783			
\$ 151,179	\$ 151,179			
\$ 180,849	\$ 180,849			
\$ 160,698	\$ 160,698			
\$ 164,398	\$ 164,398			
\$ 171,745	\$ 171,745			

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

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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: b1870 (Replace Ohio Central transformer #1 345/138/12 kv 450 MVA for a 345/138/34.5 kv 675 MVA transformer)

Current Projected Year ARR	987,532
Current Projected Year ARR w/ Incentive	987,532
Current Projected Year Incentive ARR	-

Details			
Investment	6,851,670	Current Year	2021
Service Year (vvy)	2019	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	185,180

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2013	6,851,670	-	6,851,670	1,006,339	1,006,339	\$ -	\$ 576,980	\$ 576,980		
2014	6,851,670	185,180	6,666,490	1,177,920	1,177,920	\$ -	\$ 900,905	\$ 900,905		
2015	6,666,490	185,180	6,481,310	1,150,722	1,150,722	\$ -	\$ 862,849	\$ 862,849		
2016	6,481,310	185,180	6,296,129	1,123,524	1,123,524	\$ -	\$ 964,681	\$ 964,681		
2017	6,296,129	185,180	6,110,949	1,096,325	1,096,325	\$ -	\$ 1,154,533	\$ 1,154,533		
2018	6,110,949	185,180	5,925,769	1,069,127	1,069,127	\$ -	\$ 1,026,972	\$ 1,026,972		
2019	5,925,769	185,180	5,740,589	1,041,928	1,041,928	\$ -	\$ 1,049,916	\$ 1,049,916		
2020	5,740,589	185,180	5,555,408	1,014,730	1,014,730	\$ -	\$ 1,097,508	\$ 1,097,508		
2021	5,555,408	185,180	5,370,228	987,532	987,532	\$ -				
2022	5,370,228	185,180	5,185,048	960,333	960,333	\$ -				
2023	5,185,048	185,180	4,999,868	933,135	933,135	\$ -				
2024	4,999,868	185,180	4,814,687	905,937	905,937	\$ -				
2025	4,814,687	185,180	4,629,507	878,738	878,738	\$ -				
2026	4,629,507	185,180	4,444,327	851,540	851,540	\$ -				
2027	4,444,327	185,180	4,259,146	824,342	824,342	\$ -				
2028	4,259,146	185,180	4,073,966	797,143	797,143	\$ -				
2029	4,073,966	185,180	3,888,786	769,945	769,945	\$ -				
2030	3,888,786	185,180	3,703,606	742,747	742,747	\$ -				
2031	3,703,606	185,180	3,518,425	715,548	715,548	\$ -				
2032	3,518,425	185,180	3,333,245	688,350	688,350	\$ -				
2033	3,333,245	185,180	3,148,065	661,152	661,152	\$ -				
2034	3,148,065	185,180	2,962,884	633,953	633,953	\$ -				
2035	2,962,884	185,180	2,777,704	606,755	606,755	\$ -				
2036	2,777,704	185,180	2,592,524	579,556	579,556	\$ -				
2037	2,592,524	185,180	2,407,344	552,358	552,358	\$ -				
2038	2,407,344	185,180	2,222,163	525,160	525,160	\$ -				
2039	2,222,163	185,180	2,036,983	497,961	497,961	\$ -				
2040	2,036,983	185,180	1,851,803	470,763	470,763	\$ -				
2041	1,851,803	185,180	1,666,623	443,565	443,565	\$ -				
2042	1,666,623	185,180	1,481,442	416,366	416,366	\$ -				
2043	1,481,442	185,180	1,296,262	389,168	389,168	\$ -				
2044	1,296,262	185,180	1,111,082	361,970	361,970	\$ -				
2045	1,111,082	185,180	925,901	334,771	334,771	\$ -				
2046	925,901	185,180	740,721	307,573	307,573	\$ -				
2047	740,721	185,180	555,541	280,375	280,375	\$ -				
2048	555,541	185,180	370,361	253,176	253,176	\$ -				
2049	370,361	185,180	185,180	225,978	225,978	\$ -				
2050	185,180	185,180	0	198,779	198,779	\$ -				
2051	0	0	-	0	0	\$ -				
2052	-	-	-	-	-	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
Project Totals		6,851,670		26,475,284	26,475,284	-				

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

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

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

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

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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: b1032.2 (Construct two 138kV outlets to Delano 138kV station and to Camp Sherman station)

Current Projected Year ARR	3,307,154
Current Projected Year ARR w/ Incentive	3,307,154
Current Projected Year Incentive ARR	-

Details			
Investment	22,035,285	Current Year	2021
Service Year (vwy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	595,548

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	22,035,285	297,774	21,737,511	3,512,339	3,512,339	\$ -
2016	21,737,511	595,548	21,141,962	3,744,510	3,744,510	\$ -
2017	21,141,962	595,548	20,546,414	3,657,039	3,657,039	\$ -
2018	20,546,414	595,548	19,950,866	3,569,567	3,569,567	\$ -
2019	19,950,866	595,548	19,355,318	3,482,096	3,482,096	\$ -
2020	19,355,318	595,548	18,759,769	3,394,625	3,394,625	\$ -
2021	18,759,769	595,548	18,164,221	3,307,154	3,307,154	\$ -
2022	18,164,221	595,548	17,568,673	3,219,683	3,219,683	\$ -
2023	17,568,673	595,548	16,973,125	3,132,212	3,132,212	\$ -
2024	16,973,125	595,548	16,377,577	3,044,741	3,044,741	\$ -
2025	16,377,577	595,548	15,782,028	2,957,269	2,957,269	\$ -
2026	15,782,028	595,548	15,186,480	2,869,798	2,869,798	\$ -
2027	15,186,480	595,548	14,590,932	2,782,327	2,782,327	\$ -
2028	14,590,932	595,548	13,995,384	2,694,856	2,694,856	\$ -
2029	13,995,384	595,548	13,399,835	2,607,385	2,607,385	\$ -
2030	13,399,835	595,548	12,804,287	2,519,914	2,519,914	\$ -
2031	12,804,287	595,548	12,208,739	2,432,442	2,432,442	\$ -
2032	12,208,739	595,548	11,613,191	2,344,971	2,344,971	\$ -
2033	11,613,191	595,548	11,017,642	2,257,500	2,257,500	\$ -
2034	11,017,642	595,548	10,422,094	2,170,029	2,170,029	\$ -
2035	10,422,094	595,548	9,826,546	2,082,558	2,082,558	\$ -
2036	9,826,546	595,548	9,230,998	1,995,087	1,995,087	\$ -
2037	9,230,998	595,548	8,635,449	1,907,616	1,907,616	\$ -
2038	8,635,449	595,548	8,039,901	1,820,144	1,820,144	\$ -
2039	8,039,901	595,548	7,444,353	1,732,673	1,732,673	\$ -
2040	7,444,353	595,548	6,848,805	1,645,202	1,645,202	\$ -
2041	6,848,805	595,548	6,253,256	1,557,731	1,557,731	\$ -
2042	6,253,256	595,548	5,657,708	1,470,260	1,470,260	\$ -
2043	5,657,708	595,548	5,062,160	1,382,789	1,382,789	\$ -
2044	5,062,160	595,548	4,466,612	1,295,317	1,295,317	\$ -
2045	4,466,612	595,548	3,871,064	1,207,846	1,207,846	\$ -
2046	3,871,064	595,548	3,275,515	1,120,375	1,120,375	\$ -
2047	3,275,515	595,548	2,679,967	1,032,904	1,032,904	\$ -
2048	2,679,967	595,548	2,084,419	945,433	945,433	\$ -
2049	2,084,419	595,548	1,488,871	857,962	857,962	\$ -
2050	1,488,871	595,548	893,322	770,491	770,491	\$ -
2051	893,322	595,548	297,774	683,019	683,019	\$ -
2052	297,774	297,774	-	319,642	319,642	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -
Project Totals	22,035,285			83,527,506	83,527,506	-

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1034.2 (Loop the existing South Canton - Wayview 138kV circuit in-and-out of West Canton)

Current Projected Year ARR	946,849
Current Projected Year ARR w/ Incentive	946,849
Current Projected Year Incentive ARR	-

Details			
Investment	6,422,010	Current Year	2021
Service Year (vvvv)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	173,568

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2014	6,422,010	28,928	6,393,082	970,036	970,036	\$ -	\$ 580,874	\$ 580,874		
2015	6,393,082	173,568	6,219,514	1,099,805	1,099,805	\$ -	\$ 774,598	\$ 774,598		
2016	6,219,514	173,568	6,045,946	1,074,313	1,074,313	\$ -	\$ 868,128	\$ 868,128		
2017	6,045,946	173,568	5,872,379	1,048,820	1,048,820	\$ -	\$ 1,103,628	\$ 1,103,628		
2018	5,872,379	173,568	5,698,811	1,023,327	1,023,327	\$ -	\$ 983,699	\$ 983,699		
2019	5,698,811	173,568	5,525,243	997,834	997,834	\$ -	\$ 1,002,123	\$ 1,002,123		
2020	5,525,243	173,568	5,351,675	972,342	972,342	\$ -	\$ 1,049,321	\$ 1,049,321		
2021	5,351,675	173,568	5,178,107	946,849	946,849	\$ -				
2022	5,178,107	173,568	5,004,539	921,356	921,356	\$ -				
2023	5,004,539	173,568	4,830,971	895,863	895,863	\$ -				
2024	4,830,971	173,568	4,657,404	870,370	870,370	\$ -				
2025	4,657,404	173,568	4,483,836	844,878	844,878	\$ -				
2026	4,483,836	173,568	4,310,268	819,385	819,385	\$ -				
2027	4,310,268	173,568	4,136,700	793,892	793,892	\$ -				
2028	4,136,700	173,568	3,963,132	768,399	768,399	\$ -				
2029	3,963,132	173,568	3,789,564	742,907	742,907	\$ -				
2030	3,789,564	173,568	3,615,997	717,414	717,414	\$ -				
2031	3,615,997	173,568	3,442,429	691,921	691,921	\$ -				
2032	3,442,429	173,568	3,268,861	666,428	666,428	\$ -				
2033	3,268,861	173,568	3,095,293	640,935	640,935	\$ -				
2034	3,095,293	173,568	2,921,725	615,443	615,443	\$ -				
2035	2,921,725	173,568	2,748,157	589,950	589,950	\$ -				
2036	2,748,157	173,568	2,574,590	564,457	564,457	\$ -				
2037	2,574,590	173,568	2,401,022	538,964	538,964	\$ -				
2038	2,401,022	173,568	2,227,454	513,472	513,472	\$ -				
2039	2,227,454	173,568	2,053,886	487,979	487,979	\$ -				
2040	2,053,886	173,568	1,880,318	462,486	462,486	\$ -				
2041	1,880,318	173,568	1,706,750	436,993	436,993	\$ -				
2042	1,706,750	173,568	1,533,183	411,500	411,500	\$ -				
2043	1,533,183	173,568	1,359,615	386,008	386,008	\$ -				
2044	1,359,615	173,568	1,186,047	360,515	360,515	\$ -				
2045	1,186,047	173,568	1,012,479	335,022	335,022	\$ -				
2046	1,012,479	173,568	838,911	309,529	309,529	\$ -				
2047	838,911	173,568	665,343	284,037	284,037	\$ -				
2048	665,343	173,568	491,776	258,544	258,544	\$ -				
2049	491,776	173,568	318,208	233,051	233,051	\$ -				
2050	318,208	173,568	144,640	207,558	207,558	\$ -				
2051	144,640	144,640	-	155,262	155,262	\$ -				
2052	-	-	-	-	-	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
Project Totals		6,422,010		24,657,844	24,657,844	-				

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

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

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

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

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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: b1034.3 (Install a 345/138kV 450 MVA transformer at Canton Central)

Current Projected Year ARR	1,996,356
Current Projected Year ARR w/ Incentive	1,996,356
Current Projected Year Incentive ARR	-

Details			
Investment	13,479,817	Current Year	2021
Service Year (vvy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	364,319

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2014	13,479,817	-	13,479,817	1,979,848	1,979,848	\$ -	\$ 1,611,055	\$ 1,611,055		
2015	13,479,817	364,319	13,115,498	2,317,413	2,317,413	\$ -	\$ 1,730,626	\$ 1,730,626		
2016	13,115,498	364,319	12,751,178	2,263,904	2,263,904	\$ -	\$ 1,937,127	\$ 1,937,127		
2017	12,751,178	364,319	12,386,859	2,210,394	2,210,394	\$ -	\$ 2,315,830	\$ 2,315,830		
2018	12,386,859	364,319	12,022,539	2,156,885	2,156,885	\$ -	\$ 2,058,911	\$ 2,058,911		
2019	12,022,539	364,319	11,658,220	2,103,375	2,103,375	\$ -	\$ 2,110,913	\$ 2,110,913		
2020	11,658,220	364,319	11,293,901	2,049,866	2,049,866	\$ -	\$ 2,211,159	\$ 2,211,159		
2021	11,293,901	364,319	10,929,581	1,996,356	1,996,356	\$ -				
2022	10,929,581	364,319	10,565,262	1,942,847	1,942,847	\$ -				
2023	10,565,262	364,319	10,200,943	1,889,338	1,889,338	\$ -				
2024	10,200,943	364,319	9,836,623	1,835,828	1,835,828	\$ -				
2025	9,836,623	364,319	9,472,304	1,782,319	1,782,319	\$ -				
2026	9,472,304	364,319	9,107,984	1,728,809	1,728,809	\$ -				
2027	9,107,984	364,319	8,743,665	1,675,300	1,675,300	\$ -				
2028	8,743,665	364,319	8,379,346	1,621,791	1,621,791	\$ -				
2029	8,379,346	364,319	8,015,026	1,568,281	1,568,281	\$ -				
2030	8,015,026	364,319	7,650,707	1,514,772	1,514,772	\$ -				
2031	7,650,707	364,319	7,286,388	1,461,262	1,461,262	\$ -				
2032	7,286,388	364,319	6,922,068	1,407,753	1,407,753	\$ -				
2033	6,922,068	364,319	6,557,749	1,354,244	1,354,244	\$ -				
2034	6,557,749	364,319	6,193,429	1,300,734	1,300,734	\$ -				
2035	6,193,429	364,319	5,829,110	1,247,225	1,247,225	\$ -				
2036	5,829,110	364,319	5,464,791	1,193,715	1,193,715	\$ -				
2037	5,464,791	364,319	5,100,471	1,140,206	1,140,206	\$ -				
2038	5,100,471	364,319	4,736,152	1,086,696	1,086,696	\$ -				
2039	4,736,152	364,319	4,371,833	1,033,187	1,033,187	\$ -				
2040	4,371,833	364,319	4,007,513	979,678	979,678	\$ -				
2041	4,007,513	364,319	3,643,194	926,168	926,168	\$ -				
2042	3,643,194	364,319	3,278,874	872,659	872,659	\$ -				
2043	3,278,874	364,319	2,914,555	819,149	819,149	\$ -				
2044	2,914,555	364,319	2,550,236	765,640	765,640	\$ -				
2045	2,550,236	364,319	2,185,916	712,131	712,131	\$ -				
2046	2,185,916	364,319	1,821,597	658,621	658,621	\$ -				
2047	1,821,597	364,319	1,457,278	605,112	605,112	\$ -				
2048	1,457,278	364,319	1,092,958	551,602	551,602	\$ -				
2049	1,092,958	364,319	728,639	498,093	498,093	\$ -				
2050	728,639	364,319	364,319	444,583	444,583	\$ -				
2051	364,319	364,319	0	391,074	391,074	\$ -				
2052	0	0	-	0	0	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
Project Totals	13,479,817			52,086,859	52,086,859	-				

** 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.

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1970 (Reconductor 13 miles of Kammer-West Bellaire 345 kV line)

Current Projected Year ARR	-
Current Projected Year ARR w/ Incentive	-
Current Projected Year Incentive ARR	-

Details				
Investment	-	Current Year		2021
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)		-
Service Month (1-12)	12	FCR w/o incentives, less depreciation		14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.		14.69%
CIAC (Yes or No)	no	Annual Depreciation Expense		-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #
2014	-	-	-	-	-	\$ -
2015	-	-	-	-	-	\$ -
2016	-	-	-	-	-	\$ -
2017	-	-	-	-	-	\$ -
2018	-	-	-	-	-	\$ -
2019	-	-	-	-	-	\$ -
2020	-	-	-	-	-	\$ -
2021	-	-	-	-	-	\$ -
2022	-	-	-	-	-	\$ -
2023	-	-	-	-	-	\$ -
2024	-	-	-	-	-	\$ -
2025	-	-	-	-	-	\$ -
2026	-	-	-	-	-	\$ -
2027	-	-	-	-	-	\$ -
2028	-	-	-	-	-	\$ -
2029	-	-	-	-	-	\$ -
2030	-	-	-	-	-	\$ -
2031	-	-	-	-	-	\$ -
2032	-	-	-	-	-	\$ -
2033	-	-	-	-	-	\$ -
2034	-	-	-	-	-	\$ -
2035	-	-	-	-	-	\$ -
2036	-	-	-	-	-	\$ -
2037	-	-	-	-	-	\$ -
2038	-	-	-	-	-	\$ -
2039	-	-	-	-	-	\$ -
2040	-	-	-	-	-	\$ -
2041	-	-	-	-	-	\$ -
2042	-	-	-	-	-	\$ -
2043	-	-	-	-	-	\$ -
2044	-	-	-	-	-	\$ -
2045	-	-	-	-	-	\$ -
2046	-	-	-	-	-	\$ -
2047	-	-	-	-	-	\$ -
2048	-	-	-	-	-	\$ -
2049	-	-	-	-	-	\$ -
2050	-	-	-	-	-	\$ -
2051	-	-	-	-	-	\$ -
2052	-	-	-	-	-	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -

RTEP Projected Rev. Req't.From Prior Year Template		RTEP Projected Rev. Req't.From Prior Year Template	
w/o Incentives	with Incentives **		
\$ 1,502,768	\$ 1,502,768		
\$ 1,736,229	\$ 1,736,229		
\$ 1,915,973	\$ 1,915,973		
\$ 2,299,209	\$ 2,299,209		
\$ 2,044,134	\$ 2,044,134		
\$ -	\$ -		
\$ -	\$ -		

Project Totals

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2018 (Loop Conesville-Bixby 345 kV circuit into Ohio Central)

Current Projected Year ARR	1,980,992
Current Projected Year ARR w/ Incentive	1,980,992
Current Projected Year Incentive ARR	-

Details			
Investment	13,744,474	Current Year	2021
Service Year (vvy)	2019	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	371,472

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	13,744,474	-	13,744,474	2,018,720	2,018,720	\$ -
2014	13,744,474	371,472	13,373,002	2,362,912	2,362,912	\$ -
2015	13,373,002	371,472	13,001,529	2,308,352	2,308,352	\$ -
2016	13,001,529	371,472	12,630,057	2,253,792	2,253,792	\$ -
2017	12,630,057	371,472	12,258,585	2,199,232	2,199,232	\$ -
2018	12,258,585	371,472	11,887,113	2,144,672	2,144,672	\$ -
2019	11,887,113	371,472	11,515,640	2,090,112	2,090,112	\$ -
2020	11,515,640	371,472	11,144,168	2,035,552	2,035,552	\$ -
2021	11,144,168	371,472	10,772,696	1,980,992	1,980,992	\$ -
2022	10,772,696	371,472	10,401,224	1,926,432	1,926,432	\$ -
2023	10,401,224	371,472	10,029,751	1,871,872	1,871,872	\$ -
2024	10,029,751	371,472	9,658,279	1,817,312	1,817,312	\$ -
2025	9,658,279	371,472	9,286,807	1,762,752	1,762,752	\$ -
2026	9,286,807	371,472	8,915,334	1,708,192	1,708,192	\$ -
2027	8,915,334	371,472	8,543,862	1,653,632	1,653,632	\$ -
2028	8,543,862	371,472	8,172,390	1,599,072	1,599,072	\$ -
2029	8,172,390	371,472	7,800,918	1,544,512	1,544,512	\$ -
2030	7,800,918	371,472	7,429,445	1,489,952	1,489,952	\$ -
2031	7,429,445	371,472	7,057,973	1,435,392	1,435,392	\$ -
2032	7,057,973	371,472	6,686,501	1,380,832	1,380,832	\$ -
2033	6,686,501	371,472	6,315,029	1,326,272	1,326,272	\$ -
2034	6,315,029	371,472	5,943,556	1,271,712	1,271,712	\$ -
2035	5,943,556	371,472	5,572,084	1,217,152	1,217,152	\$ -
2036	5,572,084	371,472	5,200,612	1,162,592	1,162,592	\$ -
2037	5,200,612	371,472	4,829,140	1,108,032	1,108,032	\$ -
2038	4,829,140	371,472	4,457,667	1,053,472	1,053,472	\$ -
2039	4,457,667	371,472	4,086,195	998,912	998,912	\$ -
2040	4,086,195	371,472	3,714,723	944,352	944,352	\$ -
2041	3,714,723	371,472	3,343,250	889,792	889,792	\$ -
2042	3,343,250	371,472	2,971,778	835,232	835,232	\$ -
2043	2,971,778	371,472	2,600,306	780,672	780,672	\$ -
2044	2,600,306	371,472	2,228,834	726,112	726,112	\$ -
2045	2,228,834	371,472	1,857,361	671,552	671,552	\$ -
2046	1,857,361	371,472	1,485,889	616,992	616,992	\$ -
2047	1,485,889	371,472	1,114,417	562,432	562,432	\$ -
2048	1,114,417	371,472	742,945	507,872	507,872	\$ -
2049	742,945	371,472	371,472	453,312	453,312	\$ -
2050	371,472	371,472	0	398,752	398,752	\$ -
2051	0	0	-	0	0	\$ -
2052	-	-	-	-	-	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
Project Totals				13,744,474	53,109,510	53,109,510

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

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

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

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

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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)

Current Projected Year ARR	3,118,794
Current Projected Year ARR w/ Incentive	3,118,794
Current Projected Year Incentive ARR	-

Details			
Investment	21,058,753	Current Year	2021
Service Year (vvy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	569,155

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2014	21,058,753	-	21,058,753	3,093,005	3,093,005	\$ -	\$ 2,052,447	\$ 2,052,447		
2015	21,058,753	569,155	20,489,598	3,620,363	3,620,363	\$ -	\$ 2,695,147	\$ 2,695,147		
2016	20,489,598	569,155	19,920,442	3,536,768	3,536,768	\$ -	\$ 3,014,861	\$ 3,014,861		
2017	19,920,442	569,155	19,351,287	3,453,173	3,453,173	\$ -	\$ 3,618,083	\$ 3,618,083		
2018	19,351,287	569,155	18,782,131	3,369,579	3,369,579	\$ -	\$ 3,216,698	\$ 3,216,698		
2019	18,782,131	569,155	18,212,976	3,285,984	3,285,984	\$ -	\$ 3,297,995	\$ 3,297,995		
2020	18,212,976	569,155	17,643,820	3,202,389	3,202,389	\$ -	\$ 3,455,603	\$ 3,455,603		
2021	17,643,820	569,155	17,074,665	3,118,794	3,118,794	\$ -				
2022	17,074,665	569,155	16,505,509	3,035,200	3,035,200	\$ -				
2023	16,505,509	569,155	15,936,354	2,951,605	2,951,605	\$ -				
2024	15,936,354	569,155	15,367,198	2,868,010	2,868,010	\$ -				
2025	15,367,198	569,155	14,798,043	2,784,416	2,784,416	\$ -				
2026	14,798,043	569,155	14,228,887	2,700,821	2,700,821	\$ -				
2027	14,228,887	569,155	13,659,732	2,617,226	2,617,226	\$ -				
2028	13,659,732	569,155	13,090,576	2,533,631	2,533,631	\$ -				
2029	13,090,576	569,155	12,521,421	2,450,037	2,450,037	\$ -				
2030	12,521,421	569,155	11,952,265	2,366,442	2,366,442	\$ -				
2031	11,952,265	569,155	11,383,110	2,282,847	2,282,847	\$ -				
2032	11,383,110	569,155	10,813,954	2,199,253	2,199,253	\$ -				
2033	10,813,954	569,155	10,244,799	2,115,658	2,115,658	\$ -				
2034	10,244,799	569,155	9,675,643	2,032,063	2,032,063	\$ -				
2035	9,675,643	569,155	9,106,488	1,948,468	1,948,468	\$ -				
2036	9,106,488	569,155	8,537,332	1,864,874	1,864,874	\$ -				
2037	8,537,332	569,155	7,968,177	1,781,279	1,781,279	\$ -				
2038	7,968,177	569,155	7,399,021	1,697,684	1,697,684	\$ -				
2039	7,399,021	569,155	6,829,866	1,614,089	1,614,089	\$ -				
2040	6,829,866	569,155	6,260,710	1,530,495	1,530,495	\$ -				
2041	6,260,710	569,155	5,691,555	1,446,900	1,446,900	\$ -				
2042	5,691,555	569,155	5,122,399	1,363,305	1,363,305	\$ -				
2043	5,122,399	569,155	4,553,244	1,279,711	1,279,711	\$ -				
2044	4,553,244	569,155	3,984,088	1,196,116	1,196,116	\$ -				
2045	3,984,088	569,155	3,414,933	1,112,521	1,112,521	\$ -				
2046	3,414,933	569,155	2,845,777	1,028,926	1,028,926	\$ -				
2047	2,845,777	569,155	2,276,622	945,332	945,332	\$ -				
2048	2,276,622	569,155	1,707,466	861,737	861,737	\$ -				
2049	1,707,466	569,155	1,138,311	778,142	778,142	\$ -				
2050	1,138,311	569,155	569,155	694,548	694,548	\$ -				
2051	569,155	569,155	-	610,953	610,953	\$ -				
2052	-	-	-	-	-	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
Project Totals		21,058,753		81,372,344	81,372,344	-				

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

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

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

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

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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: b2032 (Rebuild 138 kV Elliott Tap-Poston line)

Current Projected Year ARR	556,326
Current Projected Year ARR w/ Incentive	556,326
Current Projected Year Incentive ARR	-

Details			
Investment	3,781,771	Current Year	2021
Service Year (yyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	9	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	102,210

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2014	3,781,771	25,553	3,756,218	579,124	579,124	\$ -	\$ 2,808,368	\$ 2,808,368		
2015	3,756,218	102,210	3,654,008	646,399	646,399	\$ -	\$ 492,192	\$ 492,192		
2016	3,654,008	102,210	3,551,798	631,387	631,387	\$ -	\$ 539,236	\$ 539,236		
2017	3,551,798	102,210	3,449,588	616,374	616,374	\$ -	\$ 646,665	\$ 646,665		
2018	3,449,588	102,210	3,347,378	601,362	601,362	\$ -	\$ 574,858	\$ 574,858		
2019	3,347,378	102,210	3,245,168	586,350	586,350	\$ -	\$ 589,081	\$ 589,081		
2020	3,245,168	102,210	3,142,958	571,338	571,338	\$ -	\$ 616,710	\$ 616,710		
2021	3,142,958	102,210	3,040,748	556,326	556,326	\$ -				
2022	3,040,748	102,210	2,938,538	541,314	541,314	\$ -				
2023	2,938,538	102,210	2,836,328	526,302	526,302	\$ -				
2024	2,836,328	102,210	2,734,118	511,290	511,290	\$ -				
2025	2,734,118	102,210	2,631,908	496,278	496,278	\$ -				
2026	2,631,908	102,210	2,529,698	481,266	481,266	\$ -				
2027	2,529,698	102,210	2,427,488	466,253	466,253	\$ -				
2028	2,427,488	102,210	2,325,278	451,241	451,241	\$ -				
2029	2,325,278	102,210	2,223,068	436,229	436,229	\$ -				
2030	2,223,068	102,210	2,120,858	421,217	421,217	\$ -				
2031	2,120,858	102,210	2,018,648	406,205	406,205	\$ -				
2032	2,018,648	102,210	1,916,438	391,193	391,193	\$ -				
2033	1,916,438	102,210	1,814,228	376,181	376,181	\$ -				
2034	1,814,228	102,210	1,712,018	361,169	361,169	\$ -				
2035	1,712,018	102,210	1,609,808	346,157	346,157	\$ -				
2036	1,609,808	102,210	1,507,598	331,145	331,145	\$ -				
2037	1,507,598	102,210	1,405,388	316,132	316,132	\$ -				
2038	1,405,388	102,210	1,303,178	301,120	301,120	\$ -				
2039	1,303,178	102,210	1,200,968	286,108	286,108	\$ -				
2040	1,200,968	102,210	1,098,758	271,096	271,096	\$ -				
2041	1,098,758	102,210	996,548	256,084	256,084	\$ -				
2042	996,548	102,210	894,338	241,072	241,072	\$ -				
2043	894,338	102,210	792,128	226,060	226,060	\$ -				
2044	792,128	102,210	689,918	211,048	211,048	\$ -				
2045	689,918	102,210	587,708	196,036	196,036	\$ -				
2046	587,708	102,210	485,498	181,024	181,024	\$ -				
2047	485,498	102,210	383,288	166,011	166,011	\$ -				
2048	383,288	102,210	281,078	150,999	150,999	\$ -				
2049	281,078	102,210	178,868	135,987	135,987	\$ -				
2050	178,868	102,210	76,658	120,975	120,975	\$ -				
2051	76,658	76,658	-	82,287	82,287	\$ -				
2052	-	-	-	-	-	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
Project Totals		3,781,771		14,474,138	14,474,138	-				

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

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

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

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

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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: b1032.1 (Construct a new 345/138kV station on the Marquis-Bixby 345kV line near the intersection with Ross - Highland 69kV)

Current Projected Year ARR	4,212,214
Current Projected Year ARR w/ Incentive	4,212,214
Current Projected Year Incentive ARR	-

Details			
Investment	27,342,437	Current Year	2021
Service Year (vvy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	738,985

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2016	27,342,437	369,492	26,972,945	4,358,279	4,358,279	\$ -	\$ 1,957,261	\$ 1,957,261		
2017	26,972,945	738,985	26,233,960	4,646,367	4,646,367	\$ -	\$ 582,397	\$ 582,397		
2018	26,233,960	738,985	25,494,975	4,537,829	4,537,829	\$ -	\$ 4,098,498	\$ 4,098,498		
2019	25,494,975	738,985	24,755,991	4,429,290	4,429,290	\$ -	\$ 4,209,863	\$ 4,209,863		
2020	24,755,991	738,985	24,017,006	4,320,752	4,320,752	\$ -	\$ 4,424,103	\$ 4,424,103		
2021	24,017,006	738,985	23,278,021	4,212,214	4,212,214	\$ -				
2022	23,278,021	738,985	22,539,036	4,103,675	4,103,675	\$ -				
2023	22,539,036	738,985	21,800,051	3,995,137	3,995,137	\$ -				
2024	21,800,051	738,985	21,061,067	3,886,598	3,886,598	\$ -				
2025	21,061,067	738,985	20,322,082	3,778,060	3,778,060	\$ -				
2026	20,322,082	738,985	19,583,097	3,669,522	3,669,522	\$ -				
2027	19,583,097	738,985	18,844,112	3,560,983	3,560,983	\$ -				
2028	18,844,112	738,985	18,105,128	3,452,445	3,452,445	\$ -				
2029	18,105,128	738,985	17,366,143	3,343,906	3,343,906	\$ -				
2030	17,366,143	738,985	16,627,158	3,235,368	3,235,368	\$ -				
2031	16,627,158	738,985	15,888,173	3,126,830	3,126,830	\$ -				
2032	15,888,173	738,985	15,149,188	3,018,291	3,018,291	\$ -				
2033	15,149,188	738,985	14,410,204	2,909,753	2,909,753	\$ -				
2034	14,410,204	738,985	13,671,219	2,801,214	2,801,214	\$ -				
2035	13,671,219	738,985	12,932,234	2,692,676	2,692,676	\$ -				
2036	12,932,234	738,985	12,193,249	2,584,138	2,584,138	\$ -				
2037	12,193,249	738,985	11,454,264	2,475,599	2,475,599	\$ -				
2038	11,454,264	738,985	10,715,280	2,367,061	2,367,061	\$ -				
2039	10,715,280	738,985	9,976,295	2,258,522	2,258,522	\$ -				
2040	9,976,295	738,985	9,237,310	2,149,984	2,149,984	\$ -				
2041	9,237,310	738,985	8,498,325	2,041,446	2,041,446	\$ -				
2042	8,498,325	738,985	7,759,340	1,932,907	1,932,907	\$ -				
2043	7,759,340	738,985	7,020,356	1,824,369	1,824,369	\$ -				
2044	7,020,356	738,985	6,281,371	1,715,830	1,715,830	\$ -				
2045	6,281,371	738,985	5,542,386	1,607,292	1,607,292	\$ -				
2046	5,542,386	738,985	4,803,401	1,498,754	1,498,754	\$ -				
2047	4,803,401	738,985	4,064,416	1,390,215	1,390,215	\$ -				
2048	4,064,416	738,985	3,325,432	1,281,677	1,281,677	\$ -				
2049	3,325,432	738,985	2,586,447	1,173,138	1,173,138	\$ -				
2050	2,586,447	738,985	1,847,462	1,064,600	1,064,600	\$ -				
2051	1,847,462	738,985	1,108,477	956,062	956,062	\$ -				
2052	1,108,477	738,985	369,492	847,523	847,523	\$ -				
2053	369,492	369,492	-	396,627	396,627	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
2074	-	-	-	-	-	\$ -				
2075	-	-	-	-	-	\$ -				
Project Totals		27,342,437		103,644,933	103,644,933	-				

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1032.4 (Install 138/69kV transformer at new station and connect in the Ross - Highland 69kV line)

Current Projected Year ARR	932,835
Current Projected Year ARR w/ Incentive	932,835
Current Projected Year Incentive ARR	-

Details						
Investment	6,215,398	Current Year				2021
Service Year (yyy)	2015	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	6	FCR w/o incentives, less depreciation			14.69%	-
Useful life	37	FCR w/incentives approved for these facilities, less dep.			14.69%	-
CIAC (Yes or No)	No	Annual Depreciation Expense			167,984	-

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	6,215,398	83,992	6,131,406	990,710	990,710	\$ -
2016	6,131,406	167,984	5,963,422	1,056,198	1,056,198	\$ -
2017	5,963,422	167,984	5,795,439	1,031,525	1,031,525	\$ -
2018	5,795,439	167,984	5,627,455	1,006,853	1,006,853	\$ -
2019	5,627,455	167,984	5,459,471	982,180	982,180	\$ -
2020	5,459,471	167,984	5,291,487	957,507	957,507	\$ -
2021	5,291,487	167,984	5,123,504	932,835	932,835	\$ -
2022	5,123,504	167,984	4,955,520	908,162	908,162	\$ -
2023	4,955,520	167,984	4,787,536	883,489	883,489	\$ -
2024	4,787,536	167,984	4,619,553	858,817	858,817	\$ -
2025	4,619,553	167,984	4,451,569	834,144	834,144	\$ -
2026	4,451,569	167,984	4,283,585	809,472	809,472	\$ -
2027	4,283,585	167,984	4,115,601	784,799	784,799	\$ -
2028	4,115,601	167,984	3,947,618	760,126	760,126	\$ -
2029	3,947,618	167,984	3,779,634	735,454	735,454	\$ -
2030	3,779,634	167,984	3,611,650	710,781	710,781	\$ -
2031	3,611,650	167,984	3,443,666	686,109	686,109	\$ -
2032	3,443,666	167,984	3,275,683	661,436	661,436	\$ -
2033	3,275,683	167,984	3,107,699	636,763	636,763	\$ -
2034	3,107,699	167,984	2,939,715	612,091	612,091	\$ -
2035	2,939,715	167,984	2,771,732	587,418	587,418	\$ -
2036	2,771,732	167,984	2,603,748	562,746	562,746	\$ -
2037	2,603,748	167,984	2,435,764	538,073	538,073	\$ -
2038	2,435,764	167,984	2,267,780	513,400	513,400	\$ -
2039	2,267,780	167,984	2,099,797	488,728	488,728	\$ -
2040	2,099,797	167,984	1,931,813	464,055	464,055	\$ -
2041	1,931,813	167,984	1,763,829	439,382	439,382	\$ -
2042	1,763,829	167,984	1,595,845	414,710	414,710	\$ -
2043	1,595,845	167,984	1,427,862	390,037	390,037	\$ -
2044	1,427,862	167,984	1,259,878	365,365	365,365	\$ -
2045	1,259,878	167,984	1,091,894	340,692	340,692	\$ -
2046	1,091,894	167,984	923,911	316,019	316,019	\$ -
2047	923,911	167,984	755,927	291,347	291,347	\$ -
2048	755,927	167,984	587,943	266,674	266,674	\$ -
2049	587,943	167,984	419,959	242,002	242,002	\$ -
2050	419,959	167,984	251,976	217,329	217,329	\$ -
2051	251,976	167,984	83,992	192,656	192,656	\$ -
2052	83,992	83,992	-	90,160	90,160	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
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2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -
Project Totals		6,215,398		23,560,244	23,560,244	-

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

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

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

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 643,594	\$ 643,594			
\$ 866,696	\$ 866,696			
\$ 1,077,982	\$ 1,077,982			
\$ 958,607	\$ 958,607			
\$ 983,630	\$ 983,630			
\$ 1,031,481	\$ 1,031,481			

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1666 (Build an 8 breaker 138 kV station tapping both circuits of the Fostoria-East Lima 138 kV line)

Current Projected Year ARR	2,769,457
Current Projected Year ARR w/ Incentive	2,769,457
Current Projected Year Incentive ARR	-

Details			
Investment	18,412,074	Current Year	2021
Service Year (vwy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	7	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	497,624

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	18,412,074	207,343	18,204,731	2,896,390	2,896,390	\$ -
2016	18,204,731	497,624	17,707,108	3,134,900	3,134,900	\$ -
2017	17,707,108	497,624	17,209,484	3,061,811	3,061,811	\$ -
2018	17,209,484	497,624	16,711,860	2,988,723	2,988,723	\$ -
2019	16,711,860	497,624	16,214,237	2,915,634	2,915,634	\$ -
2020	16,214,237	497,624	15,716,613	2,842,546	2,842,546	\$ -
2021	15,716,613	497,624	15,218,989	2,769,457	2,769,457	\$ -
2022	15,218,989	497,624	14,721,366	2,696,369	2,696,369	\$ -
2023	14,721,366	497,624	14,223,742	2,623,280	2,623,280	\$ -
2024	14,223,742	497,624	13,726,119	2,550,192	2,550,192	\$ -
2025	13,726,119	497,624	13,228,495	2,477,103	2,477,103	\$ -
2026	13,228,495	497,624	12,730,871	2,404,015	2,404,015	\$ -
2027	12,730,871	497,624	12,233,248	2,330,926	2,330,926	\$ -
2028	12,233,248	497,624	11,735,624	2,257,838	2,257,838	\$ -
2029	11,735,624	497,624	11,238,000	2,184,749	2,184,749	\$ -
2030	11,238,000	497,624	10,740,377	2,111,661	2,111,661	\$ -
2031	10,740,377	497,624	10,242,753	2,038,572	2,038,572	\$ -
2032	10,242,753	497,624	9,745,129	1,965,484	1,965,484	\$ -
2033	9,745,129	497,624	9,247,506	1,892,395	1,892,395	\$ -
2034	9,247,506	497,624	8,749,882	1,819,307	1,819,307	\$ -
2035	8,749,882	497,624	8,252,259	1,746,218	1,746,218	\$ -
2036	8,252,259	497,624	7,754,635	1,673,130	1,673,130	\$ -
2037	7,754,635	497,624	7,257,011	1,600,041	1,600,041	\$ -
2038	7,257,011	497,624	6,759,388	1,526,953	1,526,953	\$ -
2039	6,759,388	497,624	6,261,764	1,453,865	1,453,865	\$ -
2040	6,261,764	497,624	5,764,140	1,380,776	1,380,776	\$ -
2041	5,764,140	497,624	5,266,517	1,307,688	1,307,688	\$ -
2042	5,266,517	497,624	4,768,893	1,234,599	1,234,599	\$ -
2043	4,768,893	497,624	4,271,270	1,161,511	1,161,511	\$ -
2044	4,271,270	497,624	3,773,646	1,088,422	1,088,422	\$ -
2045	3,773,646	497,624	3,276,022	1,015,334	1,015,334	\$ -
2046	3,276,022	497,624	2,778,399	942,245	942,245	\$ -
2047	2,778,399	497,624	2,280,775	869,157	869,157	\$ -
2048	2,280,775	497,624	1,783,151	796,068	796,068	\$ -
2049	1,783,151	497,624	1,285,528	722,980	722,980	\$ -
2050	1,285,528	497,624	787,904	649,891	649,891	\$ -
2051	787,904	497,624	290,280	576,803	576,803	\$ -
2052	290,280	290,280	-	311,598	311,598	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -
Project Totals		18,412,074		70,018,630	70,018,630	-

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1819 (Rebuild the Robinson Park-Sorneson 138 kV line corridor as a 345 kV double circuit line with one side operated at 345 kV and one side at 138 kV)

Current Projected Year ARR	-
Current Projected Year ARR w/ Incentive	-
Current Projected Year Incentive ARR	-

[illegible]

Project Totals

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		

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

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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: b1957 (Terminate Transformer #2 at SW Lima in new bay position)

Current Projected Year ARR	1,119,347
Current Projected Year ARR w/ Incentive	1,119,347
Current Projected Year Incentive ARR	-

Details			
Investment	7,360,772	Current Year	2021
Service Year (vvy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense	198,940

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2015	7,360,772	-	7,360,772	1,081,113	1,081,113	\$ -	\$ 714,472	\$ 714,472		
2016	7,360,772	198,940	7,161,832	1,265,444	1,265,444	\$ -	\$ 1,030,854	\$ 1,030,854		
2017	7,161,832	198,940	6,962,892	1,236,224	1,236,224	\$ -	\$ 1,310,546	\$ 1,310,546		
2018	6,962,892	198,940	6,763,953	1,207,005	1,207,005	\$ -	\$ 1,148,932	\$ 1,148,932		
2019	6,763,953	198,940	6,565,013	1,177,786	1,177,786	\$ -	\$ 1,177,105	\$ 1,177,105		
2020	6,565,013	198,940	6,366,073	1,148,566	1,148,566	\$ -	\$ 1,235,701	\$ 1,235,701		
2021	6,366,073	198,940	6,167,133	1,119,347	1,119,347	\$ -				
2022	6,167,133	198,940	5,968,194	1,090,128	1,090,128	\$ -				
2023	5,968,194	198,940	5,769,254	1,060,909	1,060,909	\$ -				
2024	5,769,254	198,940	5,570,314	1,031,689	1,031,689	\$ -				
2025	5,570,314	198,940	5,371,374	1,002,470	1,002,470	\$ -				
2026	5,371,374	198,940	5,172,434	973,251	973,251	\$ -				
2027	5,172,434	198,940	4,973,495	944,032	944,032	\$ -				
2028	4,973,495	198,940	4,774,555	914,812	914,812	\$ -				
2029	4,774,555	198,940	4,575,615	885,593	885,593	\$ -				
2030	4,575,615	198,940	4,376,675	856,374	856,374	\$ -				
2031	4,376,675	198,940	4,177,735	827,154	827,154	\$ -				
2032	4,177,735	198,940	3,978,796	797,935	797,935	\$ -				
2033	3,978,796	198,940	3,779,856	768,716	768,716	\$ -				
2034	3,779,856	198,940	3,580,916	739,497	739,497	\$ -				
2035	3,580,916	198,940	3,381,976	710,277	710,277	\$ -				
2036	3,381,976	198,940	3,183,037	681,058	681,058	\$ -				
2037	3,183,037	198,940	2,984,097	651,839	651,839	\$ -				
2038	2,984,097	198,940	2,785,157	622,619	622,619	\$ -				
2039	2,785,157	198,940	2,586,217	593,400	593,400	\$ -				
2040	2,586,217	198,940	2,387,277	564,181	564,181	\$ -				
2041	2,387,277	198,940	2,188,338	534,962	534,962	\$ -				
2042	2,188,338	198,940	1,989,398	505,742	505,742	\$ -				
2043	1,989,398	198,940	1,790,458	476,523	476,523	\$ -				
2044	1,790,458	198,940	1,591,518	447,304	447,304	\$ -				
2045	1,591,518	198,940	1,392,578	418,084	418,084	\$ -				
2046	1,392,578	198,940	1,193,639	388,865	388,865	\$ -				
2047	1,193,639	198,940	994,699	359,646	359,646	\$ -				
2048	994,699	198,940	795,759	330,427	330,427	\$ -				
2049	795,759	198,940	596,819	301,207	301,207	\$ -				
2050	596,819	198,940	397,880	271,988	271,988	\$ -				
2051	397,880	198,940	198,940	242,769	242,769	\$ -				
2052	198,940	198,940	-	213,549	213,549	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
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2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
2074	-	-	-	-	-	\$ -				
2075	-	-	-	-	-	\$ -				
2076	-	-	-	-	-	\$ -				
2077	-	-	-	-	-	\$ -				
2078	-	-	-	-	-	\$ -				

Project Totals 7,360,772 28,442,485 28,442,485 -

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

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

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

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.	(e.g. ER05-925-000)	Current Projected Year ARR	7,649,880
Project Description:	RTEP ID: b2019 (Establish Burger 345/138 kV station)	Current Projected Year ARR w/ Incentive	7,649,880
		Current Projected Year Incentive ARR	-

Details							CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:			
Investment	50,970,497	Current Year	2021				CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:			
Service Year (vvy)	2015	ROE increase accepted by FERC (Basis Points)					CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:			
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.69%				INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR			
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%				TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE			
CIAC (Yes or No)	No	Annual Depreciation Expense	1,377,581				LIFE OF THE PROJECT.			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2015	50,970,497	688,791	50,281,707	8,124,500	8,124,500	\$ -	\$ 6,416,043	\$ 6,416,043		
2016	50,281,707	1,377,581	48,904,126	8,661,541	8,661,541	\$ -	\$ 7,260,678	\$ 7,260,678		
2017	48,904,126	1,377,581	47,526,545	8,459,209	8,459,209	\$ -	\$ 8,690,541	\$ 8,690,541		
2018	47,526,545	1,377,581	46,148,964	8,256,877	8,256,877	\$ -	\$ 7,830,032	\$ 7,830,032		
2019	46,148,964	1,377,581	44,771,383	8,054,544	8,054,544	\$ -	\$ 8,066,438	\$ 8,066,438		
2020	44,771,383	1,377,581	43,393,802	7,852,212	7,852,212	\$ -	\$ 8,458,843	\$ 8,458,843		
2021	43,393,802	1,377,581	42,016,221	7,649,880	7,649,880	\$ -				
2022	42,016,221	1,377,581	40,638,640	7,447,548	7,447,548	\$ -				
2023	40,638,640	1,377,581	39,261,059	7,245,216	7,245,216	\$ -				
2024	39,261,059	1,377,581	37,883,478	7,042,883	7,042,883	\$ -				
2025	37,883,478	1,377,581	36,505,897	6,840,551	6,840,551	\$ -				
2026	36,505,897	1,377,581	35,128,316	6,638,219	6,638,219	\$ -				
2027	35,128,316	1,377,581	33,750,735	6,435,887	6,435,887	\$ -				
2028	33,750,735	1,377,581	32,373,154	6,233,554	6,233,554	\$ -				
2029	32,373,154	1,377,581	30,995,573	6,031,222	6,031,222	\$ -				
2030	30,995,573	1,377,581	29,617,992	5,828,890	5,828,890	\$ -				
2031	29,617,992	1,377,581	28,240,411	5,626,558	5,626,558	\$ -				
2032	28,240,411	1,377,581	26,862,830	5,424,226	5,424,226	\$ -				
2033	26,862,830	1,377,581	25,485,249	5,221,893	5,221,893	\$ -				
2034	25,485,249	1,377,581	24,107,668	5,019,561	5,019,561	\$ -				
2035	24,107,668	1,377,581	22,730,087	4,817,229	4,817,229	\$ -				
2036	22,730,087	1,377,581	21,352,506	4,614,897	4,614,897	\$ -				
2037	21,352,506	1,377,581	19,974,925	4,412,564	4,412,564	\$ -				
2038	19,974,925	1,377,581	18,597,344	4,210,232	4,210,232	\$ -				
2039	18,597,344	1,377,581	17,219,763	4,007,900	4,007,900	\$ -				
2040	17,219,763	1,377,581	15,842,182	3,805,568	3,805,568	\$ -				
2041	15,842,182	1,377,581	14,464,601	3,603,235	3,603,235	\$ -				
2042	14,464,601	1,377,581	13,087,020	3,400,903	3,400,903	\$ -				
2043	13,087,020	1,377,581	11,709,439	3,198,571	3,198,571	\$ -				
2044	11,709,439	1,377,581	10,331,858	2,996,239	2,996,239	\$ -				
2045	10,331,858	1,377,581	8,954,277	2,793,907	2,793,907	\$ -				
2046	8,954,277	1,377,581	7,576,696	2,591,574	2,591,574	\$ -				
2047	7,576,696	1,377,581	6,199,115	2,389,242	2,389,242	\$ -				
2048	6,199,115	1,377,581	4,821,534	2,186,910	2,186,910	\$ -				
2049	4,821,534	1,377,581	3,443,953	1,984,578	1,984,578	\$ -				
2050	3,443,953	1,377,581	2,066,372	1,782,245	1,782,245	\$ -				
2051	2,066,372	1,377,581	688,791	1,579,913	1,579,913	\$ -				
2052	688,791	688,791	-	739,374	739,374	\$ -				
2053	-	-	-	-	-	\$ -				
2054	-	-	-	-	-	\$ -				
2055	-	-	-	-	-	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
2074	-	-	-	-	-	\$ -				
Project Totals	50,970,497			193,210,052	193,210,052	-				

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

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

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

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	7,846,693
Current Projected Year ARR w/ Incentive	7,846,693
Current Projected Year Incentive ARR	-

Details						
Investment	52,397,331	Current Year				2021
Service Year (vvyv)	2015	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	5	FCR w/o incentives, less depreciation				14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.				14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense				1,416,144
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	52,397,331	826,084	51,571,247	8,461,277	8,461,277	\$ -
2016	51,571,247	1,416,144	50,155,103	8,886,674	8,886,674	\$ -
2017	50,155,103	1,416,144	48,738,959	8,678,677	8,678,677	\$ -
2018	48,738,959	1,416,144	47,322,815	8,470,681	8,470,681	\$ -
2019	47,322,815	1,416,144	45,906,671	8,262,685	8,262,685	\$ -
2020	45,906,671	1,416,144	44,490,527	8,054,689	8,054,689	\$ -
2021	44,490,527	1,416,144	43,074,382	7,846,693	7,846,693	\$ -
2022	43,074,382	1,416,144	41,658,238	7,638,696	7,638,696	\$ -
2023	41,658,238	1,416,144	40,242,094	7,430,700	7,430,700	\$ -
2024	40,242,094	1,416,144	38,825,950	7,222,704	7,222,704	\$ -
2025	38,825,950	1,416,144	37,409,806	7,014,708	7,014,708	\$ -
2026	37,409,806	1,416,144	35,993,662	6,806,712	6,806,712	\$ -
2027	35,993,662	1,416,144	34,577,518	6,598,716	6,598,716	\$ -
2028	34,577,518	1,416,144	33,161,374	6,390,719	6,390,719	\$ -
2029	33,161,374	1,416,144	31,745,230	6,182,723	6,182,723	\$ -
2030	31,745,230	1,416,144	30,329,086	5,974,727	5,974,727	\$ -
2031	30,329,086	1,416,144	28,912,942	5,766,731	5,766,731	\$ -
2032	28,912,942	1,416,144	27,496,798	5,558,735	5,558,735	\$ -
2033	27,496,798	1,416,144	26,080,653	5,350,738	5,350,738	\$ -
2034	26,080,653	1,416,144	24,664,509	5,142,742	5,142,742	\$ -
2035	24,664,509	1,416,144	23,248,365	4,934,746	4,934,746	\$ -
2036	23,248,365	1,416,144	21,832,221	4,726,750	4,726,750	\$ -
2037	21,832,221	1,416,144	20,416,077	4,518,754	4,518,754	\$ -
2038	20,416,077	1,416,144	18,999,933	4,310,758	4,310,758	\$ -
2039	18,999,933	1,416,144	17,583,789	4,102,761	4,102,761	\$ -
2040	17,583,789	1,416,144	16,167,645	3,894,765	3,894,765	\$ -
2041	16,167,645	1,416,144	14,751,501	3,686,769	3,686,769	\$ -
2042	14,751,501	1,416,144	13,335,357	3,478,773	3,478,773	\$ -
2043	13,335,357	1,416,144	11,919,213	3,270,777	3,270,777	\$ -
2044	11,919,213	1,416,144	10,503,069	3,062,780	3,062,780	\$ -
2045	10,503,069	1,416,144	9,086,925	2,854,784	2,854,784	\$ -
2046	9,086,925	1,416,144	7,670,780	2,646,788	2,646,788	\$ -
2047	7,670,780	1,416,144	6,254,636	2,438,792	2,438,792	\$ -
2048	6,254,636	1,416,144	4,838,492	2,230,796	2,230,796	\$ -
2049	4,838,492	1,416,144	3,422,348	2,022,800	2,022,800	\$ -
2050	3,422,348	1,416,144	2,006,204	1,814,803	1,814,803	\$ -
2051	2,006,204	1,416,144	590,060	1,606,807	1,606,807	\$ -
2052	590,060	590,060	-	633,393	633,393	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -
Project Totals		52,397,331		197,977,323	197,977,323	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:					
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.					
RTEP Projected Rev. Req't From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't From Prior Year Template with Incentives **			
\$ 7,243,003		\$ 7,243,003			
\$ 7,538,577		\$ 7,538,577			
\$ 8,073,387		\$ 8,073,387			
\$ 8,068,347		\$ 8,068,347			
\$ 8,277,757		\$ 8,277,757			
\$ 8,678,860		\$ 8,678,860			

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1818 (Expand Allen w/second xfmr. And cut-in 138 kV double circuit tower line)

Current Projected Year ARR	423,730
Current Projected Year ARR w/ Incentive	423,730
Current Projected Year Incentive ARR	-

Details				2021
Investment	2,648,210	Current Year		
Service Year (www)	12	ROE increase accepted by FERC (Basis Points)		-
Service Month (1-12)	2017	FCR w/o incentives, less depreciation		14.69%
Useful life	37	FCR w/incentives approved for these facilities, less dep.		14.69%
CIAC (Yes or No)	No	Annual Depreciation Expense		71,573

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

CIAL (Ties or NO)		Annual Depreciation Expense			1/1/13		12/31/13			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
2017	2,648,210		2,648,210	388,956	388,956	\$ -	\$ 525,167	\$ 525,167		
2018	2,648,210	71,573	2,576,637	455,273	455,273	\$ -	\$ 400,969	\$ 400,969		
2019	2,576,637	71,573	2,505,064	444,761	444,761	\$ -	\$ 448,563	\$ 448,563		
2020	2,505,064	71,573	2,433,490	434,248	434,248	\$ -	\$ 464,920	\$ 464,920		
2021	2,433,490	71,573	2,361,917	423,736	423,736	\$ -				
2022	2,361,917	71,573	2,290,344	413,224	413,224	\$ -				
2023	2,290,344	71,573	2,218,771	402,711	402,711	\$ -				
2024	2,218,771	71,573	2,147,197	392,199	392,199	\$ -				
2025	2,147,197	71,573	2,075,624	381,687	381,687	\$ -				
2026	2,075,624	71,573	2,004,051	371,174	371,174	\$ -				
2027	2,004,051	71,573	1,932,478	360,662	360,662	\$ -				
2028	1,932,478	71,573	1,860,904	350,150	350,150	\$ -				
2029	1,860,904	71,573	1,789,331	339,637	339,637	\$ -				
2030	1,789,331	71,573	1,717,758	329,125	329,125	\$ -				
2031	1,717,758	71,573	1,646,185	318,613	318,613	\$ -				
2032	1,646,185	71,573	1,574,611	308,100	308,100	\$ -				
2033	1,574,611	71,573	1,503,038	297,588	297,588	\$ -				
2034	1,503,038	71,573	1,431,465	287,076	287,076	\$ -				
2035	1,431,465	71,573	1,359,892	276,564	276,564	\$ -				
2036	1,359,892	71,573	1,288,318	266,051	266,051	\$ -				
2037	1,288,318	71,573	1,216,745	255,539	255,539	\$ -				
2038	1,216,745	71,573	1,145,172	245,027	245,027	\$ -				
2039	1,145,172	71,573	1,073,599	234,514	234,514	\$ -				
2040	1,073,599	71,573	1,002,025	224,002	224,002	\$ -				
2041	1,002,025	71,573	930,452	213,490	213,490	\$ -				
2042	930,452	71,573	858,879	202,977	202,977	\$ -				
2043	858,879	71,573	787,306	192,465	192,465	\$ -				
2044	787,306	71,573	715,732	181,953	181,953	\$ -				
2045	715,732	71,573	644,159	171,440	171,440	\$ -				
2046	644,159	71,573	572,586	160,928	160,928	\$ -				
2047	572,586	71,573	501,013	150,416	150,416	\$ -				
2048	501,013	71,573	429,439	139,903	139,903	\$ -				
2049	429,439	71,573	357,866	129,391	129,391	\$ -				
2050	357,866	71,573	286,293	118,879	118,879	\$ -				
2051	286,293	71,573	214,720	108,366	108,366	\$ -				
2052	214,720	71,573	143,146	97,854	97,854	\$ -				
2053	143,146	71,573	71,573	87,342	87,342	\$ -				
2054	71,573	71,573	0	76,829	76,829	\$ -				
2055	0	0		0	0	\$ -				
2056	-	-	-	-	-	\$ -				
2057	-	-	-	-	-	\$ -				
2058	-	-	-	-	-	\$ -				
2059	-	-	-	-	-	\$ -				
2060	-	-	-	-	-	\$ -				
2061	-	-	-	-	-	\$ -				
2062	-	-	-	-	-	\$ -				
2063	-	-	-	-	-	\$ -				
2064	-	-	-	-	-	\$ -				
2065	-	-	-	-	-	\$ -				
2066	-	-	-	-	-	\$ -				
2067	-	-	-	-	-	\$ -				
2068	-	-	-	-	-	\$ -				
2069	-	-	-	-	-	\$ -				
2070	-	-	-	-	-	\$ -				
2071	-	-	-	-	-	\$ -				
2072	-	-	-	-	-	\$ -				
2073	-	-	-	-	-	\$ -				
2074	-	-	-	-	-	\$ -				
2075	-	-	-	-	-	\$ -				
2076	-	-	-	-	-	\$ -				
2077	-	-	-	-	-	\$ -				

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2833 (Reconductor Maddox Creed-East Lima 345kV circuit w 2-954 ACS5 Cardinal cond)

Current Projected Year ARR	2,933,749
Current Projected Year ARR w/ Incentive	2,933,749
Current Projected Year Incentive ARR	-

Details						
Investment	17,677,144	Current Year	2021			
Service Year (vvy)	2019	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.69%			
Useful life	37	FCR w/incentives approved for these facilities, less dep.	14.69%			
CIAC (Yes or No)	No	Annual Depreciation Expense	477,761			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2019	17,677,144	238,880	17,438,264	2,817,668	2,817,668	\$ -
2020	17,438,264	477,761	16,960,503	3,003,920	3,003,920	\$ -
2021	16,960,503	477,761	16,482,743	2,933,749	2,933,749	\$ -
2022	16,482,743	477,761	16,004,982	2,863,578	2,863,578	\$ -
2023	16,004,982	477,761	15,527,221	2,793,407	2,793,407	\$ -
2024	15,527,221	477,761	15,049,461	2,723,236	2,723,236	\$ -
2025	15,049,461	477,761	14,571,700	2,653,065	2,653,065	\$ -
2026	14,571,700	477,761	14,093,939	2,582,894	2,582,894	\$ -
2027	14,093,939	477,761	13,616,179	2,512,723	2,512,723	\$ -
2028	13,616,179	477,761	13,138,418	2,442,551	2,442,551	\$ -
2029	13,138,418	477,761	12,660,657	2,372,380	2,372,380	\$ -
2030	12,660,657	477,761	12,182,897	2,302,209	2,302,209	\$ -
2031	12,182,897	477,761	11,705,136	2,232,038	2,232,038	\$ -
2032	11,705,136	477,761	11,227,375	2,161,867	2,161,867	\$ -
2033	11,227,375	477,761	10,749,615	2,091,696	2,091,696	\$ -
2034	10,749,615	477,761	10,271,854	2,021,525	2,021,525	\$ -
2035	10,271,854	477,761	9,794,093	1,951,354	1,951,354	\$ -
2036	9,794,093	477,761	9,316,333	1,881,183	1,881,183	\$ -
2037	9,316,333	477,761	8,838,572	1,811,012	1,811,012	\$ -
2038	8,838,572	477,761	8,360,811	1,740,840	1,740,840	\$ -
2039	8,360,811	477,761	7,883,051	1,670,669	1,670,669	\$ -
2040	7,883,051	477,761	7,405,290	1,600,498	1,600,498	\$ -
2041	7,405,290	477,761	6,927,529	1,530,327	1,530,327	\$ -
2042	6,927,529	477,761	6,449,769	1,460,156	1,460,156	\$ -
2043	6,449,769	477,761	5,972,008	1,389,985	1,389,985	\$ -
2044	5,972,008	477,761	5,494,248	1,319,814	1,319,814	\$ -
2045	5,494,248	477,761	5,016,487	1,249,643	1,249,643	\$ -
2046	5,016,487	477,761	4,538,726	1,179,472	1,179,472	\$ -
2047	4,538,726	477,761	4,060,966	1,109,301	1,109,301	\$ -
2048	4,060,966	477,761	3,583,205	1,039,129	1,039,129	\$ -
2049	3,583,205	477,761	3,105,444	968,958	968,958	\$ -
2050	3,105,444	477,761	2,627,684	898,787	898,787	\$ -
2051	2,627,684	477,761	2,149,923	828,616	828,616	\$ -
2052	2,149,923	477,761	1,672,162	758,445	758,445	\$ -
2053	1,672,162	477,761	1,194,402	688,274	688,274	\$ -
2054	1,194,402	477,761	716,641	618,103	618,103	\$ -
2055	716,641	477,761	238,880	547,932	547,932	\$ -
2056	238,880	238,880	-	256,423	256,423	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -
2075	-	-	-	-	-	\$ -
2076	-	-	-	-	-	\$ -
2077	-	-	-	-	-	\$ -
2078	-	-	-	-	-	\$ -
Project Totals	17,677,144			67,007,429	67,007,429	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:					
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.					
RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 355,700		\$ 355,700			
\$ 269,768		\$ 269,768			

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

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
AEP Ohio Transmission Company

Line No	Month (a)	Average Balance of Common Equity				Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	1,924,295,000	-	-	-	1,924,295,000
2	January	1,944,375,000	-	-	-	1,944,375,000
3	February	1,985,559,000	-	-	-	1,985,559,000
4	March	2,005,558,000	-	-	-	2,005,558,000
5	April	2,024,032,000	-	-	-	2,024,032,000
6	May	2,043,577,000	-	-	-	2,043,577,000
7	June	2,063,511,000	-	-	-	2,063,511,000
8	July	2,083,035,000	-	-	-	2,083,035,000
9	August	2,102,156,000	-	-	-	2,102,156,000
10	September	2,119,883,000	-	-	-	2,119,883,000
11	October	2,138,717,000	-	-	-	2,138,717,000
12	November	2,181,344,000	-	-	-	2,181,344,000
13	December of Rate Year	2,200,100,000	-	-	-	2,200,100,000
14	Average of the 13 Monthly Balances	2,062,780,000	-	-	-	2,062,780,000

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Bonds (b)	Less: Reacquired Bonds (c)	Acct 223 LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
	(Note A)	(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	-	-	1,640,700,000	-	-	1,640,700,000
16	January	-	-	1,640,700,000	-	-	1,640,700,000
17	February	-	-	1,640,700,000	-	-	1,640,700,000
18	March	-	-	1,640,700,000	-	-	1,640,700,000
19	April	-	-	1,640,700,000	-	-	1,640,700,000
20	May	-	-	1,640,700,000	-	-	1,640,700,000
21	June	-	-	1,640,700,000	125,000,000	-	1,765,700,000
22	July	-	-	1,640,700,000	125,000,000	-	1,765,700,000
23	August	-	-	1,640,700,000	125,000,000	-	1,765,700,000
24	September	-	-	1,640,700,000	125,000,000	-	1,765,700,000
25	October	-	-	1,640,700,000	125,000,000	-	1,765,700,000
26	November	-	-	1,620,700,000	125,000,000	-	1,745,700,000
27	December of Rate Year	-	-	1,620,700,000	125,000,000	-	1,745,700,000
28	Average of the 13 Monthly Balances	-	-	1,637,623,000	67,308,000	-	1,704,930,769

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
AEP Ohio 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 2021						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			65,065,000			
	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1						
31	included in Ln 30 and shown in 43 below.			-			
32	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			-			
33	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			-			
34	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			-			
35	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)			-			
36	Total Interest Expense (Ln 30 - 31 + 32 + 33 - 34 - 35)			65,065,000			
37	Average Cost of Debt for 2021 (Ln 36/ Ln 28 (g))			3.82%			

CALCULATION OF HEDGE GAINS/LOSSES TO BE EXCLUDED FROM TCOS

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

	HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	(Amortization of (Gain)/Loss for 2021	Remaining Unamortized Balance	Amortization Period	
				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
AEP Ohio Transmission Company

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

	(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		-		-	

AEP/Co 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
AEP Ohio Transmission Company

PBOP	(A)	(B)
1	<u>Calculation of PBOP Expenses</u>	
2	<u>AEP System PBOP Rate</u>	
3	Total AEP System PBOP expenses	-\$80,136,000
4	Base Year relating to retired personnel	\$0
5	Amount allocated on Labor	-\$80,136,000
6	Total AEP System Direct Labor Expense	\$1,454,108,000
7	AEP System PBOP expense per dollar of direct labor (PBOP Rate)	-\$0.055
8	Currently Approved PBOP Rate	-\$0.043
9	Base PBOP TransCo labor expensed in current year	\$11,898,000
10	Allowable TransCo PBOP Expense for current year (Ln 8 * Ln 9)	-\$512,000
11	Direct PBOP Expense per Actuarial Report	\$0
12	Additional PBOP Ledger Entry (From Company Records)	\$0
13	Medicare Credit	\$0
14	PBOP Expenses From AEP Affiliates (From Company Records)	-\$1,303,000
15	Actual PBOP Expense (Sum Lines 11-14)	-\$1,303,000
16	PBOP Adjustment Line 10 less Line 15	\$791,000

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

As part of the annual update process, AEP will provide to transmission customers and include in its informational filing an independently prepared actuarial report that includes a ten (10) year forecast of PBOP expenses. During the annual update process conducted for rate year 2018 and every four years thereafter, Worksheet O will be used to determine whether the PBOP allowance rate (\$PBOP per \$Direct O&M Labor) should be adjusted going forward for the next four years. If the annual actuarial report issued during the year of any PBOP rate review projects PBOP costs during the next four years that, when allocated to the AEP Transmission Companies based on their projected direct labor expenses over that same projected four-year period, absent a change in the PBOP Rate, will likely cause the AEP East Transmission Companies to over or under collect their cumulative PBOP expenses by more than 20% of the projected next four year's total PBOP expense, taking into account the net over or under collection of such expenses during the previous four years, the PBOP rate shall be adjusted. In order to determine whether continued use of the then approved PBOP rate is likely to result in the AEP Companies' incurrence of a cumulative allowance of PBOP costs under the formula rate will result in a cumulative over or under-recovery of actual PBOP expenses exceeding 20% over the subsequent four year period, Worksheet O will be used to determine (a) the level of cumulative over or under collections of PBOP expense during the time since the PBOP allowance rate was last set, including carrying costs based on the weighted average cost of capital each year from the formula rate actual transmission cost-of-service (b) the cumulative net present value of projected PBOP costs during the next four years as estimated by the then current actuarial report, assuming a discount rate equal to the actual transmission cost of service average cost of capital for the immediately prior calendar year and (c) the cumulative net present value of continued collections over the next four years based on the projected AEP Transmission Companies direct labor expenses and the then effective PBOP allowance rate assuming a discount rate equal to the prior year weighted average cost of capital. If the absolute value of (a)+(b)-(c) exceeds 20% of (b), then the PBOP allowance rate used in the formula rate calculation shall be changed to the value that will cause the projected result of (a)+(b)-(c) to equal zero. If the projected over or under collection during the next four years, (a)+(b)-(c), is less than 20% of (b), then the PBOP Rate will continue in effect for the next four years at the then effective rate. If it is determined through this procedure AEP Companies will over-recover or under-recover actual PBOP expenses by more than 20% over the subsequent four-year period, AEP shall make a filing under FPA Section 205 to change the PBOP Rate stated in the formula rate shown on Worksheet O. No other changes to the formula rate may be included in that filing.

AEPTCo subsidiaries in PJM
Worksheet - P
DEPRECIATION RATES
FOR TRANSMISSION PLANT PROPERTY ACCOUNTS
EFFECTIVE AS OF 3/6/2019

AEP Ohio Transmission Company

	PLANT ACCT.	RATES Note 1
TRANSMISSION PLANT		
Land Rights	350.1	1.46%
Energy Storage Equipment	351.0	14.22%
Structures & Improvements	352.0	1.75%
Station Equipment	353.0	2.13%
Towers & Fixtures	354.0	1.96%
Poles & Fixtures	355.0	3.17%
Overhead Conductor	356.0	2.14%
Underground Conduit	357.0	2.85%
Underground Conductors	358.0	3.19%
GENERAL PLANT		
Structures and Improvements	390.0	2.64%
Office Furniture and Equip.	391.0	3.67%
Stores Equipment	393.0	3.35%
Tools, Shop and Garage Equipment	394.0	4.48%
Laboratory Equipment	395.0	5.06%
Power Operated Equipment	396.0	4.55%
Communications Equipment	394.0	4.82%
Micellaneous Equipment	398.0	4.19%

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

	CSP	OPCo	TOTAL
Composite Depreciation Rate			
1 T-Plant (FF1 206.58.g)	619,883,849	1,164,351,684	1,784,235,533
2 T-Plant (FF1 206.58.b)	570,478,232	1,109,431,387	1,679,909,619
3 Average (Ln 1+ Ln 2)/2	595,181,041	1,136,891,536	1,732,072,576
4 Depreciation (FF1 336.7.f)	12,769,913	25,505,773	38,275,686
5 Composite Depreciation (Ln 3 / Ln 4)			2.21%

Note: AEP Ohio Transmission Company shall initially use the composite depreciation rate for APCo, I&M and KPCo 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 Ohio Transmission Company for its own transmission facilities can be calculated in AEP Ohio Transmission Company's the first Annual Update including a True-up TCOS.

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
<u>Development of Long Term Debt Balances at Year End</u>							
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)							
<u>Development of Long Term Debt Interest Expense</u>							
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	-	-	-	-	-	-	-
<u>Development of Cost of Preferred Stock and Preferred Dividends</u>							
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)	-	-	-	-	-	-	-
<u>Development of Common Equity</u>							
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	-	-	-	-	-	-	-
<u>Calculation of Capital Shares</u>							
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							
<u>Calculation of Capital Cost Rate</u>							
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			

	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
Line							
<u>Development of Long Term Debt Balances at Year End</u>							
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)							
<u>Development of Long Term Debt Interest Expense</u>							
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	-	-	-	-	-	-	-
<u>Development of Cost of Preferred Stock and Preferred Dividends</u>							
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)	-	-	-	-	-	-	-
<u>Development of Common Equity</u>							
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	-	-	-	-	-	-	-
<u>Calculation of Capital Shares</u>							
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							
<u>Calculation of Capital Cost Rate</u>							
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%
<u>Calculation of Weighted Capital Cost Rate</u>							
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/		

[illegible]

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 2019 Available May 25, 2020		2019 Forecasted Revenue Requirement For Year 2019		True-up Adjustment - Over (Under) Recovery
\$410,108,954	-	\$421,449,042	=	\$11,340,088

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
		0.4195%				
An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020						
<u>Calculation of Interest</u>				Monthly		
January	Year 2019	945,007	0.4195%	12	(47,572)	(992,579)
February	Year 2019	945,007	0.4195%	11	(43,607)	(988,615)
March	Year 2019	945,007	0.4195%	10	(39,643)	(984,650)
April	Year 2019	945,007	0.4195%	9	(35,679)	(980,686)
May	Year 2019	945,007	0.4195%	8	(31,714)	(976,722)
June	Year 2019	945,007	0.4195%	7	(27,750)	(972,757)
July	Year 2019	945,007	0.4195%	6	(23,786)	(968,793)
August	Year 2019	945,007	0.4195%	5	(19,822)	(964,829)
September	Year 2019	945,007	0.4195%	4	(15,857)	(960,865)
October	Year 2019	945,007	0.4195%	3	(11,893)	(956,900)
November	Year 2019	945,007	0.4195%	2	(7,929)	(952,936)
December	Year 2019	945,007	0.4195%	1	(3,964)	(948,972)
					(309,216)	(11,649,304)
January through December Year 2019		(11,649,304)	0.4195%	12	(586,426)	(12,235,730)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly		
January	Year 2021	12,235,730	0.4195%		(51,329)	1,047,661
February	Year 2021	11,239,398	0.4195%		(47,149)	1,047,661
March	Year 2021	10,238,886	0.4195%		(42,952)	1,047,661
April	Year 2021	9,234,178	0.4195%		(38,737)	1,047,661
May	Year 2021	8,225,255	0.4195%		(34,505)	1,047,661
June	Year 2021	7,212,099	0.4195%		(30,255)	1,047,661
July	Year 2021	6,194,693	0.4195%		(25,987)	1,047,661
August	Year 2021	5,173,019	0.4195%		(21,701)	1,047,661
September	Year 2021	4,147,059	0.4195%		(17,397)	1,047,661
October	Year 2021	3,116,796	0.4195%		(13,075)	1,047,661
November	Year 2021	2,082,210	0.4195%		(8,735)	1,047,661
December	Year 2021	1,043,284	0.4195%		(4,377)	1,047,661
					(336,198)	0
True-Up Adjustment with Interest					(12,571,928)	
Less Over (Under) Recovery					11,340,088	
Total Interest					(1,231,840)	

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 2019 Available May 25, 2020	2019 Forecasted Revenue Requirement For Year 2019	=	True-up Adjustment - Over (Under) Recovery
\$43,293,583	\$42,643,711		(\$649,872)

Interest Rate on Amount of Refunds or Surcharges (Note 1)	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.4195%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020						
<u>Calculation of Interest</u>						
				Monthly		
January	Year 2019	(54,156)	0.4195%	12	2,726	56,882
February	Year 2019	(54,156)	0.4195%	11	2,499	56,655
March	Year 2019	(54,156)	0.4195%	10	2,272	56,428
April	Year 2019	(54,156)	0.4195%	9	2,045	56,201
May	Year 2019	(54,156)	0.4195%	8	1,817	55,973
June	Year 2019	(54,156)	0.4195%	7	1,590	55,746
July	Year 2019	(54,156)	0.4195%	6	1,363	55,519
August	Year 2019	(54,156)	0.4195%	5	1,136	55,292
September	Year 2019	(54,156)	0.4195%	4	909	55,065
October	Year 2019	(54,156)	0.4195%	3	682	54,838
November	Year 2019	(54,156)	0.4195%	2	454	54,610
December	Year 2019	(54,156)	0.4195%	1	227	54,383
					17,720	667,592
				Annual		
January through December	Year 2019	667,592	0.4195%	12	33,607	701,199
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly		
January	Year 2021	(701,199)	0.4195%		2,942	(60,039)
February	Year 2021	(644,101)	0.4195%		2,702	(60,039)
March	Year 2021	(586,765)	0.4195%		2,461	(60,039)
April	Year 2021	(529,187)	0.4195%		2,220	(60,039)
May	Year 2021	(471,368)	0.4195%		1,977	(60,039)
June	Year 2021	(413,307)	0.4195%		1,734	(60,039)
July	Year 2021	(355,002)	0.4195%		1,489	(60,039)
August	Year 2021	(296,453)	0.4195%		1,244	(60,039)
September	Year 2021	(237,657)	0.4195%		997	(60,039)
October	Year 2021	(178,616)	0.4195%		749	(60,039)
November	Year 2021	(119,326)	0.4195%		501	(60,039)
December	Year 2021	(59,788)	0.4195%		251	(60,039)
					19,267	(0)
True-Up Adjustment with Interest					720,465	
Less Over (Under) Recovery					(649,872)	
Total Interest					70,594	

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

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

Reconciliation Revenue Requirement For Year 2019 Available May 25, 2020	2019 Forecasted Revenue Requirement For Year 2019	=	True-up Adjustment - Over (Under) Recovery
\$1,181,865	\$2,158,000		\$976,135

Interest Rate on Amount of Refunds or Surcharges (Note 1)	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.4195%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020						
<u>Calculation of Interest</u>						
				Monthly		
January	Year 2019	81,345	0.4195%	12	(4,095)	(85,439)
February	Year 2019	81,345	0.4195%	11	(3,754)	(85,098)
March	Year 2019	81,345	0.4195%	10	(3,412)	(84,757)
April	Year 2019	81,345	0.4195%	9	(3,071)	(84,416)
May	Year 2019	81,345	0.4195%	8	(2,730)	(84,074)
June	Year 2019	81,345	0.4195%	7	(2,389)	(83,733)
July	Year 2019	81,345	0.4195%	6	(2,047)	(83,392)
August	Year 2019	81,345	0.4195%	5	(1,706)	(83,051)
September	Year 2019	81,345	0.4195%	4	(1,365)	(82,710)
October	Year 2019	81,345	0.4195%	3	(1,024)	(82,368)
November	Year 2019	81,345	0.4195%	2	(682)	(82,027)
December	Year 2019	81,345	0.4195%	1	(341)	(81,686)
					(26,617)	(1,002,752)
				Annual		
January through December	Year 2019	(1,002,752)	0.4195%	12	(50,479)	(1,053,230)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly		
January	Year 2021	1,053,230	0.4195%		(4,418)	90,181
February	Year 2021	967,468	0.4195%		(4,059)	90,181
March	Year 2021	881,345	0.4195%		(3,697)	90,181
April	Year 2021	794,862	0.4195%		(3,334)	90,181
May	Year 2021	708,016	0.4195%		(2,970)	90,181
June	Year 2021	620,805	0.4195%		(2,604)	90,181
July	Year 2021	533,228	0.4195%		(2,237)	90,181
August	Year 2021	445,284	0.4195%		(1,868)	90,181
September	Year 2021	356,972	0.4195%		(1,497)	90,181
October	Year 2021	268,288	0.4195%		(1,125)	90,181
November	Year 2021	179,233	0.4195%		(752)	90,181
December	Year 2021	89,804	0.4195%		(377)	90,181
					(28,939)	(0)
True-Up Adjustment with Interest					(1,082,170)	
Less Over (Under) Recovery					976,135	
Total Interest					(106,035)	

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