

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

For Twelve Months Ended

2022

Line No.			Total	DA	Allocator	Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 113)				\$787,581,942
2	REVENUE CREDITS	(Worksheet E, In 8) (Note A)	12,817,000	DA	1.00000	\$ 12,817,000
3	Facility Credits under PJM OATT Section 30.9	Worksheet E, In 9) (Note X)				4,055,395
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)				\$ 778,820,337
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)	44,875,793	DA	1.00000	\$ 44,875,793
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)				18.26%
8	Monthly Rate	(In 7 / 12)				1.52%
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)				15.17%
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)				6.59%
13	ADDITIONAL REVENUE REQUIREMENT for projects w incentive ROE's (Note B) (Worksheet J/K)					-
14	REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES					
15	Total Load Dispatch & Scheduling (Account 561)	Line 63 Below				1,902,000
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)				1,902,000

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Line No.	(1) RATE BASE CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total NOTE C	(4) Allocator	(5) Total Transmission
19	GROSS PLANT IN SERVICE				
19	Transmission	(Worksheet A In 14.(d) & Ln 117)	4,840,306,000	DA	4,840,306,000
20	Less: Transmission ARO (Enter Negative)	(Worksheet A In 14.(e))	-	TP 1.00000	-
21	General Plant	(Worksheet A In 14.(h))	183,368,000	W/S 1.00000	183,368,000
22	Less: General Plant ARO (Enter Negative)	(Worksheet A In 14.(i))	-	W/S 1.00000	-
23	Intangible Plant	(Worksheet A In 14.(j))	56,770,000	W/S 1.00000	56,770,000
24	TOTAL GROSS PLANT	(Sum of Lines: 19 to 23)	5,080,444,000	GP= 1.000000 GTD= 1.00000	5,080,444,000
25	ACCUMULATED DEPRECIATION AND AMORTIZATION				
26	Transmission	(Worksheet A In 28.(d) & Ln 43.(b))	526,543,000	DA 1.00000	526,543,000
27	Less: Transmission ARO (Enter Negative)	(Worksheet A In 28.(e))	-	TP 1.00000	-
28	General Plant	(Worksheet A In 28.(h))	15,984,000	W/S 1.00000	15,984,000
29	Less: General Plant ARO (Enter Negative)	(Worksheet A In 28.(i))	-	W/S 1.00000	-
30	Intangible Plant	(Worksheet A In 28.(j))	25,644,000	W/S 1.00000	25,644,000
31	TOTAL ACCUMULATED DEPRECIATION	(Sum of Lines: 26 to 30)	568,171,000		568,171,000
32	NET PLANT IN SERVICE				
33	Transmission	(In 19 + In 20 - In 26 - In 27)	4,313,763,000		4,313,763,000
34	General Plant	(In 21 + In 22 - In 28 - In 29)	167,384,000		167,384,000
35	Intangible Plant	(In 23 - In 30)	31,126,000		31,126,000
36	TOTAL NET PLANT IN SERVICE	(Sum of Lines: 33 to 35)	4,512,273,000	NP= 1.000000	4,512,273,000
37	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)			
38	Account No. 281.1 (enter negative)	(Worksheet B, In 2 & In 5.E)	-	NA	-
39	Account No. 282.1 (enter negative)	(Worksheet B, In 7 & In 10.E)	(340,080,000)	DA	(462,773,000)
40	Account No. 283.1 (enter negative)	(Worksheet B, In 12 & In 15.E)	(3,244,500)	DA	(1,543,500)
41	Account No. 190.1	(Worksheet B, In 17 & In 20.E)	140,971,500	DA	95,473,500
42	Account No. 255 (enter negative)	(Worksheet B, In 24 & In 25.E)	-	DA	-
43	TOTAL ADJUSTMENTS	(sum Ins 38 to 42)	(202,353,000)		(368,843,000)
44	PLANT HELD FOR FUTURE USE	(Worksheet A In 44.(e)) In 45.(e))	-	DA	-
45	REGULATORY ASSETS	(Worksheet A In 51.(e))	-	DA	-
46	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A In 54.(e))	-	W/S 1.00000	-
47	WORKING CAPITAL	(Note E)			
48	Cash Working Capital	(1/8 * In 66)	4,739,250		4,739,250
49	Transmission Materials & Supplies	(Worksheet C, In 2.(F))	322,000	TP 1.00000	322,000
50	A&G Materials & Supplies	(Worksheet C, In 3.(F))	-	W/S 1.00000	-
51	Stores Expense	(Worksheet C, In 4.(F))	-	GP 1.00000	-
52	Prepayments (Account 165) - Labor Allocated	(Worksheet C, In 8.(G))	-	W/S 1.00000	-
53	Prepayments (Account 165) - Gross Plant	(Worksheet C, In 8.(F))	3,049,000	GP 1.00000	3,049,000
54	Prepayments (Account 165) - Transmission Only	(Worksheet C, In 8.(E))	-	DA 1.00000	-
55	Prepayments (Account 165) - Unallocable	(Worksheet C, In 8.(D))	-	NA 0.00000	-
56	TOTAL WORKING CAPITAL	(sum Ins 48 to 55)	8,110,250		8,110,250
57	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, In 8.B)	-	DA 1.00000	-
58	RATE BASE (sum Ins 36, 43, 44, 45, 46, 56, 57)		4,318,030,250		4,151,540,250

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	(1)	(2)	(3)	(4)	(5)
	EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION		TO Total	Allocator	Total Transmission
Line No.		Data Sources (See "General Notes")			
59	OPERATION & MAINTENANCE EXPENSE				
60	Customer Related Expense	322 & 323.164,171.178.b	-		
61	Regional Marketing Expenses	322.131.b	-		
61	Transmission	321.112.b	39,816,000		
62	TOTAL O&M EXPENSES	(sum Ins 59 to 61)	39,816,000		
63	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	1,902,000		
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)	37,914,000	TP 1.00000	37,914,000
67	Administrative and General	323.197.b (Notes J & M)	16,913,000		
68	Less: Acct. 924, Property Insurance	323.185.b	1,081,000		
69	Acct. 928, Rea. Com. Exp.	323.189.b	-		
70	Acct. 930.1, Gen. Advert. Exp.	323.191.b	-		
71	Acct. 930.2, Misc. Gen. Exp.	323.192.b	173,000		
72	Balance of A & G	(In 67 - sum In 68 to In 71)	15,659,000	W/S 1.00000	15,659,000
73	Plus: Acct. 924, Property Insurance	(In 68)	1,081,000	GP(H) 1.00000	1,081,000
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!	40,000	DA 1.00000	40,000
77	FBCOP Adjustment	Worksheet O Ln 16.(B). (Note K & M)	1,213,000	W/S 1.00000	1,213,000
78	A & G Subtotal	(sum Ins 72 to 77)	17,993,000		17,993,000
79	O & M EXPENSE SUBTOTAL	(In 66 + In 78)	55,907,000		55,907,000
80	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		-	DA 0.00000	-
81	TOTAL O & M EXPENSE	(In 79 + In 80)	55,907,000		55,907,000
82	DEPRECIATION AND AMORTIZATION EXPENSE				
83	Transmission	336.7.f	133,235,000	TP 1.00000	133,235,000
84	General	336.10.f	4,853,000	W/S 1.00000	4,853,000
85	Intangible	336.1.f	10,270,000	W/S 1.00000	10,270,000
86	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 83+84+85)	148,358,000		148,358,000
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)	212,298,000	DA 1.00000	212,298,000
92	Gross Receipts/Sales & Use	Worksheet H In 23.(F)	1,000	NA 0.00000	-
93	Other	Worksheet H In 23.(E)	1,150,000	GP 1.00000	1,150,000
94	TOTAL OTHER TAXES	(sum Ins 89 to 93)	213,449,000		213,448,000
95	INCOME TAXES	(Note O)			
96	$T=1 - [(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)$		21.19%		
97	$EIT=(T*(1-T)) * (1-(WCLD/WACC))$		20.69%		
98	where WCLD=(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)		1.2689		
101	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	-		
102	Excess Deferred Income Tax	(Note T)	430,000	NP(h) 1.00000	430,000
103	Tax Effect of Permanent and Flow-Through Differences	(Note T)	956,000	NP(h) 1.00000	956,000
104	Income Tax Calculation	(In 97 * In 109)	65,624,767		63,094,478
105	ITC adjustment	(In 100 * In 101)	-	NP(h) 1.00000	-
106	Excess Deferred Income Tax	(In 100 * In 102)	545,613		545,613
107	Tax Effect of Permanent and Flow-Through Differences	(In 100 * In 103)	1,213,038		1,213,038
108	TOTAL INCOME TAXES	(sum Ins 104 to 107)	67,363,418		64,853,129
109	RETURN ON RATE BASE (Rate Base*WACC)	(In 58 * In 139)	317,247,920		305,015,814
110	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		-	DA 1.00000	-
111	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. (F) & (H))		-		-
112	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 111 * In97)		-		-
113	TOTAL REVENUE REQUIREMENT	(sum Ins 81, 86, 94, 108, 109, 110, 111, 112)	802,345,339		787,581,942

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SUPPORTING CALCULATIONS

In	TRANSMISSION PLANT INCLUDED IN PJM TARIFF							
<u>No.</u>								
114	Total transmission plant	(In 19)					4,840,306,000	
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)					4,840,306,000	
118	Percent of transmission plant in PJM Tariff	(In 117 / In 114)					TP=	1.00000
119	WAGES & SALARY ALLOCATOR (W/S)	(Note R)						
120	<i>Line Deliberately Left Blank</i>		Direct Payroll	Payroll Billed from AEP Service Corp.	Total			
121	Transmission	354.21.b	0	12,391,000	12,391,000	TP	1.00000	12,391,000
122	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000	-
123	<i>Line 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)	-	12,391,000	12,391,000			12,391,000
126	Transmission related amount						WS=	1.00000
127	Actual (Uncapped) Capital Structure							
127	WEIGHTED AVERAGE COST OF CAPITAL (WACC)							\$
128	Long Term Interest	(Worksheet M, In.36, col.(d))						69,529,000
129	Preferred Dividends	(Worksheet M, In. 45, col.(d))						-
130	Development of Common Stock:							
131	Proprietary Capital	(Worksheet M, In. 14, col.(b))						2,240,894,000
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)						2,240,894,000
136	Long Term Debt (Note S) Worksheet M, In 28, col. (g), In 37, col. (d)							
137	Preferred Stock (In 132)							
138	Common Stock (In 135)							
139	Total (Sum Ins 136 to 138)							
140	Capital Structure Equity Limit (Note Z)	55.00%						

		Capital Structure Percentages		Cost		Weighted	
	\$	%	Cap Limit		(Note S)		
136	1,862,269,231	45.39%	45.39%	3.73%		0.0169	
137	-	0.00%	0.00%	0.00%		0.0000	
138	2,240,894,000	54.61%	54.61%	10.35%		0.0565	
139	4,103,163,231	100.00%				WACC=	0.0735

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Letter	Notes
	General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line#, Column X
A	Revenue credits include: 1) Forfeited Discounts. 2) Miscellaneous Service Revenues. 3) Rental revenues earned on assets included in the rate base. 4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service. 5) Other electric revenues. 6) Revenues for grandfathered PTP contracts included in the load divisor. 7) If AEP Transmission Companies have any directly assigned transmission facilities, the revenue credits in the formula rate shall include all revenues associated with those directly assigned transmission facilities, irrespective of whether the loads of the customer are included in the formula rate divisor; provided however, such addition to revenue credits shall not be reflected if the costs of such directly assigned transmission facilities are not included in the transmission plant balances on which the formula rate ATRR is based. See Worksheet E for details.
B	The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's. Interest will be calculated based on Worksheet R and any over under recovery will be filed and posted as part of the informational filing.
C	Transmission Plant Balances in this study are projected or actual average 13 month balances.
D	The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B. In compliance with FERC Rulemaking the calculation of ADIT in the annual projection will be performed in accordance with IRS regulation Section 1.167(l)-(h)(6)(i). 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 = 0.24% (State Income Tax Rate or Composite SIT, Worksheet G) p = 0.00% (percent of federal income tax deductible for state purposes)
	The formula rate shall reflect the applicable state and federal statutory tax rates in effect during the period the calculated estimated unit charges are applicable. If the statutory tax rates change during such period, the effective tax rates used in the formula shall be weighted by the number of days the pre-change rate and post-change rate each is in effect.
P	Removes plant excluded from the OATT because it does not meet the PJM's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
Q	Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note P.
R	Includes functional wages & salaries billed by AEP Service Corporation for support of the operating company.
S	Long Term Debt cost rate = long-term interest (Ln 128)/average long term debt (Ln 136). Preferred Stock cost rate = preferred dividends (Ln 129)/preferred outstanding (In 137). Common Stock cost rate (ROE) = 11.49%, the rate accepted by FERC in Docket No. ER10-355. It includes an additional 50 basis points for PJM RTO membership. All Transmission Companies other than AEP Appalachian Transmission Company utilize their own capital structure and costs as shown on Worksheet M. The calculations on Worksheet M will use the projected or actual 13 month average balances of long-term debt, common and preferred equity and calendar year long term debt interest expenses, preferred dividends and approved ROE. The long term debt balances and long term debt cost rate shall not include any amounts related to hedging activity. As shown on Worksheet Q, the AEP Appalachian Transmission Company capital structure and weighted cost of capital (WACC) shall be based on the weighted composite of the AEP East Operating Companies beginning and ending average outstanding LTD and PS issuances with the common equity portion in Docket No. ER08-1329, and (2) the weighted composite LTD and PS cost using projected or actual calendar year LTD expense and PS dividends of the AEP East Operating Companies excluding all interest rate hedging costs and/or gains, until the Company establishes its own actual capital structure.
	Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax Effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period. Transmission balances for the projected or actual period, will be filed and posted as part of the informational filing.
T	
U	Cash investment in prepaid pension and benefits recorded in FERC Account 165 is permitted to be included in the formula. A labor expense allocation factor will be used to allocate total company costs. All
V	The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.
W	AEP Transmission Companies will record depreciation expense using composites of the depreciation rates shown on Worksheet P which rates will not be changed absent a Section 205 or 206 filing at FERC to seek a change in depreciation rates. No other changes to the formula rate may be included in that filing. Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties. X The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base. Y Per the settlement in EL17-13, equity is limited to 55% of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure. Z

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

		Gross Plant In Service				
Line No	Month (a)	Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5
1	December Prior to Rate Year	4,665,259,000		182,271,000		52,491,000
2	January	4,682,569,000		182,344,000		53,298,000
3	February	4,689,910,000		182,419,000		54,012,000
4	March	4,729,569,000		182,493,000		54,734,000
5	April	4,777,437,000		182,586,000		55,426,000
6	May	4,803,013,000		183,054,000		56,125,000
7	June	4,850,966,000		183,147,000		56,825,000
8	July	4,876,669,000		183,221,000		57,515,000
9	August	4,890,544,000		183,423,000		58,192,000
10	September	4,904,900,000		183,625,000		58,874,000
11	October	4,922,556,000		183,827,000		59,548,000
12	November	5,013,193,000		184,033,000		60,212,000
13	December of Rate Year	5,117,395,000		187,336,000		60,757,000
14	Average of the 13 Monthly Balances	4,840,306,000	-	183,368,000	-	56,770,000

		Accumulated Depreciation				
Line No	Month (a)	Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, In 21, Col. (b)
15	December Prior to Rate Year	461,886,000	-	13,594,000	-	20,637,000
16	January	472,324,000	-	14,012,000	-	21,427,000
17	February	482,836,000	-	14,394,000	-	22,230,000
18	March	493,363,000	-	14,776,000	-	23,046,000
19	April	503,969,000	-	15,158,000	-	23,873,000
20	May	514,910,000	-	15,562,000	-	24,712,000
21	June	525,905,000	-	15,967,000	-	25,563,000
22	July	536,994,000	-	16,373,000	-	26,425,000
23	August	548,136,000	-	16,778,000	-	27,299,000
24	September	559,308,000	-	17,184,000	-	28,184,000
25	October	570,509,000	-	17,591,000	-	29,080,000
26	November	581,747,000	-	17,998,000	-	29,988,000
27	December of Rate Year	593,174,000	-	18,405,000	-	30,907,000
28	Average of the 13 Monthly Balances	526,543,000	-	15,984,000	-	25,644,000

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)
		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
	(Note A)				
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 526,543,000

<u>Plant Held For Future Use</u>		<u>Source of Data</u>	<u>Balance @ December 31, 2022</u>	<u>Balance @ December 31, 2021</u>	<u>Average Balance for 2022</u>
(a)	(b)	(c)	(d)	(e)	
44	<u>Plant Held For Future Use</u>	FF1, page 214, ln 47, Col. (d)	-	-	-
45	<u>Transmission Plant Held For Future Use (Included in total on line 4</u>	Company Records - Note 1	-	-	-

Regulatory Assets and Liabilities Approved for Recovery In Ratebase

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

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

Unfunded Reserves Summary (Company Records)

52 Description Account

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

Line Number	(A) Description	(B) Source	(C)		(D)	(E)
			Balance @ 31, 2022	December	Balance @ 31, 2021	December
1	Account 281					
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	Account 282					
7	Year End Utility Deferrals	FF1, p. 274 - 275, In 5, Col. (k)	352,712,000	327,448,000	340,080,000	
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)	(115,878,000)	(129,508,000)	(122,693,000)	
10	Transmission Related Deferrals	Ln 7 - In 8 - In 9	468,590,000	456,956,000	462,773,000	
11	Account 283					
12	Year End Utility Deferrals	FF1, p. 276 - 277, In 9, Col. (k)	3,183,000	3,306,000	3,244,500	
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	-	-	-	-
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	1,701,000	1,701,000	1,701,000	
15	Transmission Related Deferrals	Ln 12 - In 13 - In 14	1,482,000	1,605,000	1,543,500	
16	Account 190					
17	Year End Utility Deferrals	FF1, p. 234, In 8, Col. (c)	124,327,000	157,616,000	140,971,500	
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)	45,498,000	45,498,000	45,498,000	
20	Transmission Related Deferrals	Ln 17 - In 18 - In 19	78,829,000	112,118,000	95,473,500	
21	Account 255					
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)-1(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.

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

A B C D E

Line No.	Account (NOTE A)	Description of Account	Protected Unprotected	Tax Rate Change Act
Deferred Tax Account (NOTE B)				
1a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017
1b	2821001	ADFIT - Utility Property	Protected	TCJA 2017
1c	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017
1d	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017
1e	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017
1f	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017
1g	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017
1h	NOTE D			
Regulatory Deferral Accounts				
2a	182.3	Regulatory Asset		TCJA 2017
2b	254	Regulatory Liability		TCJA 2017
2c	NOTE D			
3	Total For Accounting Entires (Sum of Lines 1a through 2b)			

NOTE A: In order to ensure ratebase neutrality, AEP utilizes the fourth digit of its seven digit FERC Tax subaccount number. The fourth digit of a FERC tax account refers to the utility operations balance or entry. Accounts with the "1" at the fourth place of the account number indicates accounts used to track regulatory accounting requirements. The "1" which will ensure that in the formula rate the excess amount will be part of ratebase, but at the total FERC account in the "4" will be offset on a net basis in the regulatory asset or liability subaccount established for this purpose.

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

NOTE C: The ten year amortization period for unprotected excess ADIT is consistent with the period agreed upon by the *Company, et al, 166 FERC ¶ 61,135 (2019)*.

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

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

F	G	H	I	J
			1/1/2022 Beginning Balances	
Excess Balance at Remeasurement	Amortization Methodology (NOTE C)	Amortization Period	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals
(171,531,496)	ARAM 10 Years	Life of Asset 1/2018 - 12/2027		
-				
2,463,331	10 Years	1/2018 - 12/2027		
			0	-

numbers to identify balances associated with utility operations vs regulatory reporting requirements. A "1" in designation will be included in the determination of ratebase to be recovered in the formula rate. A "4" in the excess ADIT amounts recorded in accounts with the "4" designation will be contra to the "1" balance, amount level the tax asset or liability will be recorded at the current Federal FIT rate. The amounts recorded are.

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

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

regulatory deferral accounts that may be necessary to track that tax rate change.

ADIT account from which it is being amortized. The total in line 3 is the offset as

K	L	M	N	O	P
Balance Sheet Entries			Tax Expense Entries		12/31/2022 Er

Balance Sheet Account Reclassifications	182.3	254	410/411 Excess Amortization NOTE C	410/411 Deferred Tax Expense/ (Benefit)	Excess ADIT Regulatory Offset
---	-------	-----	---	---	----------------------------------

					Sum of Co
					-
					-
					-
					-
					-
					-
					-

					-
					-

-	-	-	-	-	-
---	---	---	---	---	---

NOTE E

Q

R

Ending Balance

**Excess ADIT in Utility
Deferrals**

Reference

Cols (I) - (O)

	WS B - 2 Col B/C, ADIT Item 2.12
-	WS B - 1 Col N, ADIT Item 5.16
-	WS B - 1 Col N, ADIT Item 5.17
	WS B - 1 Col B/C, ADIT Item 5.20
-	WS B - 1 Col N, ADIT Item 9.06
	WS B - 1 Col B/C, ADIT Item 9.09

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

-

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

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number	Source	Balance @ December 31, 2022	Balance @ December 31, 2021	Average Balance for 2022				
1								
2	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c) & (b)	322,000	322,000	322,000			
3	General Materials & Supplies	FF1, p. 227, In 11, Col. (c) & (b)			-			
4	Stores Expense (Undistributed) - Account 163	FF1, p. 227, In 16, Col. (c) & (b)			-			

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	Totals as of December 31, 2022	3,049,000	0	0	3,049,000	0	3,049,000
7	Totals as of December 31, 2021	3,049,000	0	0	3,049,000	0	3,049,000
8	Average Balance	3,049,000	-	-	3,049,000	-	3,049,000

Prepayments Account 165 - Balance @ 12/31/2022

9	Acc. No.	Description	2022 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
10	1650001	Prepaid Insurance	424,000	-	-	424,000	-	424,000	Plant Related Insurance Policies
11	165000214	Prepaid Taxes	0	-	-	-	-	-	
12	165000219	Prepaid Taxes	0	-	-	-	-	-	
13	1650006	Other Prepayments	1,807,000	-	-	1,807,000	-	1,807,000	Prepaid Transmission Projects
14	165001217	Prepaid Use Taxes	0	-	-	-	-	-	
15	165001220	Prepaid Use Taxes	34,000	-	-	34,000	-	34,000	Prepaid Use Taxes
16	1650021	Prepaid Insurance EIS	324,000	-	-	324,000	-	324,000	Plant Related Insurance Policies
17	1650023	Prepaid Lease	460,000	-	-	460,000	-	460,000	Prepaid Lease
18									
19									
20									
21									
22									
23									
24									
25									
		Subtotal - Form 1, p 111.57.c	3,049,000	0	0	3,049,000	0	3,049,000	

Prepayments Account 165 - Balance @ 12/31/ 2021

26	Acc. No.	Description	2021 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
27	1650001	Prepaid Insurance	424,000	-	-	424,000	-	424,000	Plant Related Insurance Policies
28	165000214	Prepaid Taxes	0	-	-	-	-	-	
29	165000219	Prepaid Taxes	0	-	-	-	-	-	
30	1650006	Other Prepayments	1,807,000	-	-	1,807,000	-	1,807,000	Prepaid Transmission Projects
31	165001217	Prepaid Use Taxes	0	-	-	-	-	-	
32	165001220	Prepaid Use Taxes	34,000	-	-	34,000	-	34,000	Prepaid Use Taxes
33	1650021	Prepaid Insurance EIS	324,000	-	-	324,000	-	324,000	Plant Related Insurance Policies
34	1650023	Prepaid Lease	460,000	-	-	460,000	-	460,000	Prepaid Lease
35									
36									
37									
38									
39									
40									
		Subtotal - Form 1, p 111.57.d	3,049,000	0	0	3,049,000	0	3,049,000	

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

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

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

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)	12,817,000	-	12,817,000
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)		-	
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	742,394,000	742,394,000	
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))	755,211,000	742,394,000	12,817,000
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	755,211,000	742,394,000	12,817,000
9	Facility Credits under PJM OATT Section 30.9			4,055,395

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

(A)	(B)	(C)	(D)	(E)	(F)	
Line Number	Item No.	Description	2022 Expense	100% Non-Transmission	100% Transmission Specific	Explanation
Regulatory O&M Deferrals & Amortizations						
1						
2						
3						
4		Total	-			
Detail of Account 561 Per FERC Form 1						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	-			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	1,035,000			
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	867,000			
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	1,902,000			
Account 928						
15				-	-	
16				-	-	
17				-	-	
18				-	-	
19				-	-	
20				-	-	
21		Total (FERC Form 1 p.323.189.b)	-	-	-	
Account 930.1						
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)	-	-	-	
Account 930.2						
39	9302000	Misc General Expenses	108,000	108,000	-	
40	9302003	Corporate & Fiscal Expenses	25,000	25,000	-	
#REF!	9302007	Assoc Business Development Exp	40,000	-	40,000	
#REF!		Total (FERC Form 1 p.323.192.b)	173,000	133,000	40,000	

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 Apportionment Factor - Note 1 Effective State Tax Rate	1.95% <u>12.40%</u>	0.24%
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><u>0.24%</u></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	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
		NOTE 1				
1	Revenue Taxes					
2	Gross Receipts Tax	1,000				1,000
3	Real Estate and Personal Property Taxes					
4	Real and Personal Property - Ohio	212,298,000	212,298,000			
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	1,150,000			1,150,000	
17	State Franchise Taxes	-			-	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	-			-	
21	Federal Excise Tax	-			-	
22	Michigan Single Business Tax	-			-	
23	Total Taxes by Allocable Basis	213,449,000	212,298,000	-	1,150,000	1,000

(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

Line	Account	Lines 24-58		Lines 24-58		Total
		Column (B) Deliberately Left Blank	Transmission	Column (D) Deliberately Left Blank	General	
24	Functionalized Net Plant (TCOS, Lns 33 thru 36)	-	4,313,763,000	-	167,384,000	4,481,147,000
OHIO JURISDICTION						
25	Percentage of Plant in OHIO JURISDICTION		100%		100.00%	
26	Net Plant in OHIO JURISDICTION (Ln 24 * Ln 25)	-	4,313,763,000	-	167,384,000	4,481,147,000
27	Less: Net Value of Exempted Generation Plant	-	-	-	-	-
28	Taxable Property Basis (Ln 26 - Ln 27)	-	4,313,763,000	-	167,384,000	4,481,147,000
29	Relative Valuation Factor	-	-	-	-	-
30	Weighted Net Plant (Ln 28 * Ln 29)	-	-	-	-	-
31	General Plant Allocator (Ln 30 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%	-
32	Functionalized General Plant (Ln 31 * General Plant)	-	-	-	-	-
33	Weighted OHIO JURISDICTION Plant (Ln 30 + 32)	-	-	-	-	-
34	Functional Percentage (Ln 33/Total Ln 33)	0.00%	100.00%	0.00%	-	-
JURISDICTION						
35	Net Plant in _____ JURISDICTION (Ln 24 - Ln 26)	-	-	-	-	-
36	Less: Net Value Exempted Generation Plant	-	-	-	-	-
37	Taxable Property Basis	-	-	-	-	-
38	Relative Valuation Factor	-	-	-	-	-
39	Weighted Net Plant (Ln 37 * Ln 38)	-	-	-	-	-
40	General Plant Allocator (Ln 39 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%	-
41	Functionalized General Plant (Ln 41 * General Plant)	-	-	-	-	-
42	Weighted _____ JURISDICTION Plant (Ln 39 + 41)	-	-	-	-	-
43	Functional Percentage (Ln 42/Total Ln 42)	0.00%	100.00%	0.00%	-	-

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference			
1	Revenue Taxes						
2	Gross Receipts Tax	1,000	1,000	P.263.1 ln 7 (i) P.263.2 ln 3 (i) P.263.2 ln 4 (i)			
<hr/>							
Line No.	(A) "Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)"	(B) Tax Year	(C) Total Company	(D) FERC FORM 1 Tie-Back	(E) FERC FORM 1 Reference	(F) Tax Year Factor (Note 2)	(G) Transmission Function (Note 2)
Real Estate and Personal Property Taxes Total (Ln 4 + Ln 5 + Ln 6 + Ln 7)							
3			212,298,000				212,298,000
4	Real and Personal Property - Ohio		212,298,000	212,298,000		100%	212,298,000
5	Real and Personal Property - Virginia		-	-			-
6	Real and Personal Property - Tennessee		-	-			-
7	Real and Personal Property - Other Jurisdictions		-	-			-

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
8	Payroll Taxes			
9	Federal Insurance Contribution (FICA)	-	-	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	1,150,000	1,150,000	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	-	-	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 FF1 p.114, Ln 14,(c))	213,449,000	213,449,000	

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

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	Weighted cost
Long Term Debt	45.39%	3.73%	1.695%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	54.61%	10.35%	5.653%
		R =	7.347%

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS			
	Rev Require	W Incentives	Incentive Amounts
PROJECTED YEAR	2022	44,875,793	\$ -

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

Rate Base (TCOS, ln 58)	4,151,540,250
R (from A. above)	7.347%
Return (Rate Base x R)	305,015,814

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

Return (from B. above)	305,015,814
Effective Tax Rate (TCOS, ln 97)	20.69%
Income Tax Calculation (Return x CIT)	63,094,478
ITC Adjustment	-
Excess Deferred Income Tax	545,613
Tax Affect of Permanent Differences	1,213,038
Income Taxes	64,853,129

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)	787,581,942
Lease Payments (TCOS, ln 80)	-
Return (TCOS, ln 109)	305,015,814
Income Taxes (TCOS, ln 108)	64,853,129
Annual Revenue Requirement, Less Return and Taxes	417,713,000

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

Annual Revenue Requirement, Less Return and Taxes	417,713,000
Return (from I.B. above)	305,015,814
Income Taxes (from I.C. above)	64,853,129
Annual Revenue Requirement, with 0 Basis Point ROE increase	787,581,942
Depreciation & Amortization (TCOS, ln 83)	133,235,000
Annual Rev. Req, w/0 Basis Point ROE increase, less Depreciation	654,346,942

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

Net Transmission Plant (Projected TCOS, ln 33)	4,313,763,000
Annual Revenue Requirement, with 0 Basis Point ROE increase	787,581,942
FCR with 0 Basis Point increase in ROE	18.26%
Annual Rev. Req, w / 0 Basis Point ROE increase, less Dep.	654,346,942
FCR with 0 Basis Point ROE increase, less Depreciation	15.17%
FCR less Depreciation (TCOS, ln 10)	15.17%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2022 TCOS, ln 19	4,840,306,000
Annual Depreciation and Amortization Expense (TCOS, ln 83)	133,235,000
Composite Depreciation Rate	2.75%
Depreciable Life for Composite Depreciation Rate	36.33
Average Life in Whole Years	36

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. ER08-1329. 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)

Current Projected Year ARR	1,450,435
Current Projected Year ARR w/ Incentive	1,450,435
Current Projected Year Incentive ARR	-

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

Details		2012	2022
Investment	10,402,068	Current Year	2022
Service Year (yyyy)	2012	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	288,946

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**
2012	10,402,068	-	10,402,068	1,577,871	1,577,871	-	\$ 747,660	\$ 747,660
2013	10,402,068	288,946	10,113,122	1,844,902	1,844,902	-	\$ 1,093,780	\$ 1,093,780
2014	10,113,122	288,946	9,824,175	1,801,073	1,801,073	-	\$ 1,212,574	\$ 1,212,574
2015	9,824,175	288,946	9,535,229	1,757,243	1,757,243	-	\$ 1,166,857	\$ 1,166,857
2016	9,535,229	288,946	9,246,283	1,713,413	1,713,413	-	\$ 1,271,115	\$ 1,271,115
2017	9,246,283	288,946	8,957,336	1,669,583	1,669,583	-	\$ 1,517,047	\$ 1,517,047
2018	8,957,336	288,946	8,668,390	1,625,754	1,625,754	-	\$ 1,527,231	\$ 1,527,231
2019	8,668,390	288,946	8,379,444	1,581,924	1,581,924	-	\$ 1,559,917	\$ 1,559,917
2020	8,379,444	288,946	8,090,497	1,538,094	1,538,094	-	\$ 1,626,376	\$ 1,626,376
2021	8,090,497	288,946	7,801,551	1,494,264	1,494,264	-	\$ 1,457,959	\$ 1,457,959
2022	7,801,551	288,946	7,512,605	1,450,435	1,450,435	-		
2023	7,512,605	288,946	7,223,658	1,406,605	1,406,605	-		
2024	7,223,658	288,946	6,934,712	1,362,775	1,362,775	-		
2025	6,934,712	288,946	6,645,766	1,318,945	1,318,945	-		
2026	6,645,766	288,946	6,356,819	1,275,116	1,275,116	-		
2027	6,356,819	288,946	6,067,873	1,231,286	1,231,286	-		
2028	6,067,873	288,946	5,778,927	1,187,456	1,187,456	-		
2029	5,778,927	288,946	5,489,980	1,143,626	1,143,626	-		
2030	5,489,980	288,946	5,201,034	1,099,797	1,099,797	-		
2031	5,201,034	288,946	4,912,088	1,055,967	1,055,967	-		
2032	4,912,088	288,946	4,623,141	1,012,137	1,012,137	-		
2033	4,623,141	288,946	4,334,195	968,307	968,307	-		
2034	4,334,195	288,946	4,045,249	924,478	924,478	-		
2035	4,045,249	288,946	3,756,302	880,648	880,648	-		
2036	3,756,302	288,946	3,467,356	836,818	836,818	-		
2037	3,467,356	288,946	3,178,410	792,988	792,988	-		
2038	3,178,410	288,946	2,889,463	749,159	749,159	-		
2039	2,889,463	288,946	2,600,517	705,329	705,329	-		
2040	2,600,517	288,946	2,311,571	661,499	661,499	-		
2041	2,311,571	288,946	2,022,624	617,669	617,669	-		
2042	2,022,624	288,946	1,733,678	573,840	573,840	-		
2043	1,733,678	288,946	1,444,732	530,010	530,010	-		
2044	1,444,732	288,946	1,155,785	486,180	486,180	-		
2045	1,155,785	288,946	866,839	442,350	442,350	-		
2046	866,839	288,946	577,893	398,521	398,521	-		
2047	577,893	288,946	288,946	354,691	354,691	-		
2048	288,946	288,946	-	310,861	310,861	-		
2049	-	-	-	-	-	-		
2050	-	-	-	-	-	-		
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			40,381,616	40,381,616	-		

** 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	469,756
Current Projected Year ARR w/ Incentive	469,756
Current Projected Year Incentive ARR	-

Project Description: RTEP ID: b1231 (WAPAKONETA-WEST MOULTON 138/69KV Transformer)

Details		Current Year	2022
Investment	3,473,922		
Service Year (yyyy)	2011	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	96,498

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 **
2011	3,473,922	96,498	3,473,922	526,953	526,953	\$ -	\$ -	\$ -
2012	3,473,922	96,498	3,377,424	616,132	616,132	\$ -	\$ 386,386	\$ 386,386
2013	3,377,424	96,498	3,280,926	601,494	601,494	\$ -	\$ 410,711	\$ 410,711
2014	3,280,926	96,498	3,184,429	586,857	586,857	\$ -	\$ 453,040	\$ 453,040
2015	3,184,429	96,498	3,087,931	572,219	572,219	\$ -	\$ 435,575	\$ 435,575
2016	3,087,931	96,498	2,991,433	557,582	557,582	\$ -	\$ 473,027	\$ 473,027
2017	2,991,433	96,498	2,894,935	542,944	542,944	\$ -	\$ 562,920	\$ 562,920
2018	2,894,935	96,498	2,798,437	528,307	528,307	\$ -	\$ 499,743	\$ 499,743
2019	2,798,437	96,498	2,701,939	513,669	513,669	\$ -	\$ 509,431	\$ 509,431
2020	2,701,939	96,498	2,605,442	499,031	499,031	\$ -	\$ 529,806	\$ 529,806
2021	2,605,442	96,498	2,508,944	484,394	484,394	\$ -	\$ 473,117	\$ 473,117
2022	2,508,944	96,498	2,412,446	469,756	469,756	\$ -		
2023	2,412,446	96,498	2,315,948	455,119	455,119	\$ -		
2024	2,315,948	96,498	2,219,450	440,481	440,481	\$ -		
2025	2,219,450	96,498	2,122,952	425,843	425,843	\$ -		
2026	2,122,952	96,498	2,026,455	411,206	411,206	\$ -		
2027	2,026,455	96,498	1,929,957	396,568	396,568	\$ -		
2028	1,929,957	96,498	1,833,459	381,931	381,931	\$ -		
2029	1,833,459	96,498	1,736,961	367,293	367,293	\$ -		
2030	1,736,961	96,498	1,640,463	352,656	352,656	\$ -		
2031	1,640,463	96,498	1,543,965	338,018	338,018	\$ -		
2032	1,543,965	96,498	1,447,468	323,380	323,380	\$ -		
2033	1,447,468	96,498	1,350,970	308,743	308,743	\$ -		
2034	1,350,970	96,498	1,254,472	294,105	294,105	\$ -		
2035	1,254,472	96,498	1,157,974	279,468	279,468	\$ -		
2036	1,157,974	96,498	1,061,476	264,830	264,830	\$ -		
2037	1,061,476	96,498	964,978	250,192	250,192	\$ -		
2038	964,978	96,498	868,480	235,555	235,555	\$ -		
2039	868,480	96,498	771,983	220,917	220,917	\$ -		
2040	771,983	96,498	675,485	206,280	206,280	\$ -		
2041	675,485	96,498	578,987	191,642	191,642	\$ -		
2042	578,987	96,498	482,489	177,005	177,005	\$ -		
2043	482,489	96,498	385,991	162,367	162,367	\$ -		
2044	385,991	96,498	289,493	147,729	147,729	\$ -		
2045	289,493	96,498	192,996	133,092	133,092	\$ -		
2046	192,996	96,498	96,498	118,454	118,454	\$ -		
2047	96,498	96,498	-	103,817	103,817	\$ -		
2048	-	-	-	-	-	\$ -		
2049	-	-	-	-	-	\$ -		
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		13,486,028	13,486,028	-		

** 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	1,195,932
Current Projected Year ARR w/ Incentive	1,195,932
Current Projected Year Incentive ARR	-

Project Description: RTEP ID: b1034.1 (South Canton - West Canton 138kV line and Wagenhals - Wayview 138kV)

Details		2022
Investment	8,345,675	Current Year
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	11	FCR w/o incentives, less depreciation
Useful life	36	FCR w/incentives approved for these facilities, less dep.
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 #	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	19,319	8,326,356	1,283,794	1,283,794	\$ -	\$ 443,007	\$ 443,007
2014	8,326,356	231,824	8,094,532	1,477,252	1,477,252	-	\$ 964,332	\$ 964,332
2015	8,094,532	231,824	7,862,708	1,442,087	1,442,087	-	\$ 1,065,163	\$ 1,065,163
2016	7,862,708	231,824	7,630,883	1,406,922	1,406,922	-	\$ 1,173,750	\$ 1,173,750
2017	7,630,883	231,824	7,399,059	1,371,757	1,371,757	-	\$ 1,404,427	\$ 1,404,427
2018	7,399,059	231,824	7,167,235	1,336,592	1,336,592	-	\$ 1,247,990	\$ 1,247,990
2019	7,167,235	231,824	6,935,410	1,301,427	1,301,427	-	\$ 1,276,918	\$ 1,276,918
2020	6,935,410	231,824	6,703,586	1,266,262	1,266,262	-	\$ 1,334,247	\$ 1,334,247
2021	6,703,586	231,824	6,471,762	1,231,097	1,231,097	-	\$ 1,200,102	\$ 1,200,102
2022	6,471,762	231,824	6,239,938	1,195,932	1,195,932	-		
2023	6,239,938	231,824	6,008,113	1,160,767	1,160,767	-		
2024	6,008,113	231,824	5,776,289	1,125,602	1,125,602	-		
2025	5,776,289	231,824	5,544,465	1,090,437	1,090,437	-		
2026	5,544,465	231,824	5,312,640	1,055,272	1,055,272	-		
2027	5,312,640	231,824	5,080,816	1,020,107	1,020,107	-		
2028	5,080,816	231,824	4,848,992	984,942	984,942	-		
2029	4,848,992	231,824	4,617,167	949,777	949,777	-		
2030	4,617,167	231,824	4,385,343	914,612	914,612	-		
2031	4,385,343	231,824	4,153,519	879,447	879,447	-		
2032	4,153,519	231,824	3,921,695	844,282	844,282	-		
2033	3,921,695	231,824	3,689,870	809,117	809,117	-		
2034	3,689,870	231,824	3,458,046	773,952	773,952	-		
2035	3,458,046	231,824	3,226,222	738,787	738,787	-		
2036	3,226,222	231,824	2,994,397	703,622	703,622	-		
2037	2,994,397	231,824	2,762,573	668,457	668,457	-		
2038	2,762,573	231,824	2,530,749	633,292	633,292	-		
2039	2,530,749	231,824	2,298,924	598,127	598,127	-		
2040	2,298,924	231,824	2,067,100	562,961	562,961	-		
2041	2,067,100	231,824	1,835,276	527,796	527,796	-		
2042	1,835,276	231,824	1,603,451	492,631	492,631	-		
2043	1,603,451	231,824	1,371,627	457,466	457,466	-		
2044	1,371,627	231,824	1,139,803	422,301	422,301	-		
2045	1,139,803	231,824	907,979	387,136	387,136	-		
2046	907,979	231,824	676,154	351,971	351,971	-		
2047	676,154	231,824	444,330	316,806	316,806	-		
2048	444,330	231,824	212,506	281,641	281,641	-		
2049	212,506	212,506	-	228,623	228,623	-		
2050	-	-	-	-	-	-		
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		32,293,048	32,293,048	-			

** 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	618,435
Current Projected Year ARR w/ Incentive	618,435
Current Projected Year Incentive ARR	-

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

Details		2022
Investment	4,305,129	Current Year
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	12	FCR w/o incentives, less depreciation
Useful life	36	FCR w/incentives approved for these facilities, less dep.
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 #	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	653,037	653,037	\$ -	\$ 244,284	\$ 244,284
2014	4,305,129	119,587	4,185,542	763,554	763,554	\$ -	\$ 568,269	\$ 568,269
2015	4,185,542	119,587	4,065,955	745,414	745,414	\$ -	\$ 554,603	\$ 554,603
2016	4,065,955	119,587	3,946,368	727,274	727,274	\$ -	\$ 606,319	\$ 606,319
2017	3,946,368	119,587	3,826,781	709,134	709,134	\$ -	\$ 725,644	\$ 725,644
2018	3,826,781	119,587	3,707,194	690,995	690,995	\$ -	\$ 644,841	\$ 644,841
2019	3,707,194	119,587	3,587,608	672,855	672,855	\$ -	\$ 659,891	\$ 659,891
2020	3,587,608	119,587	3,468,021	654,715	654,715	\$ -	\$ 689,652	\$ 689,652
2021	3,468,021	119,587	3,348,434	636,575	636,575	\$ -	\$ 620,499	\$ 620,499
2022	3,348,434	119,587	3,228,847	618,435	618,435	\$ -		
2023	3,228,847	119,587	3,109,260	600,295	600,295	\$ -		
2024	3,109,260	119,587	2,989,673	582,155	582,155	\$ -		
2025	2,989,673	119,587	2,870,086	564,015	564,015	\$ -		
2026	2,870,086	119,587	2,750,499	545,875	545,875	\$ -		
2027	2,750,499	119,587	2,630,912	527,735	527,735	\$ -		
2028	2,630,912	119,587	2,511,325	509,595	509,595	\$ -		
2029	2,511,325	119,587	2,391,738	491,455	491,455	\$ -		
2030	2,391,738	119,587	2,272,151	473,315	473,315	\$ -		
2031	2,272,151	119,587	2,152,565	455,175	455,175	\$ -		
2032	2,152,565	119,587	2,032,978	437,035	437,035	\$ -		
2033	2,032,978	119,587	1,913,391	418,895	418,895	\$ -		
2034	1,913,391	119,587	1,793,804	400,755	400,755	\$ -		
2035	1,793,804	119,587	1,674,217	382,615	382,615	\$ -		
2036	1,674,217	119,587	1,554,630	364,475	364,475	\$ -		
2037	1,554,630	119,587	1,435,043	346,335	346,335	\$ -		
2038	1,435,043	119,587	1,315,456	328,195	328,195	\$ -		
2039	1,315,456	119,587	1,195,869	310,055	310,055	\$ -		
2040	1,195,869	119,587	1,076,282	291,915	291,915	\$ -		
2041	1,076,282	119,587	956,695	273,775	273,775	\$ -		
2042	956,695	119,587	837,108	255,635	255,635	\$ -		
2043	837,108	119,587	717,522	237,495	237,495	\$ -		
2044	717,522	119,587	597,935	219,355	219,355	\$ -		
2045	597,935	119,587	478,348	201,215	201,215	\$ -		
2046	478,348	119,587	358,761	183,075	183,075	\$ -		
2047	358,761	119,587	239,174	164,935	164,935	\$ -		
2048	239,174	119,587	119,587	146,795	146,795	\$ -		
2049	119,587	119,587	0	128,655	128,655	\$ -		
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	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
Project Totals	4,305,129			16,712,837	16,712,837	-		

** 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	153,872
Current Projected Year ARR w/ Incentive	153,872
Current Projected Year Incentive ARR	-

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

Details			
Investment	1,076,416	Current Year	2022
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	29,900

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	1,076,416	4,983	1,071,433	167,885	167,885	\$ -	\$ 124,755	\$ 124,755
2014	1,071,433	29,900	1,041,532	190,156	190,156	\$ -	\$ 140,765	\$ 140,765
2015	1,041,532	29,900	1,011,632	185,621	185,621	\$ -	\$ 137,783	\$ 137,783
2016	1,011,632	29,900	981,731	181,085	181,085	\$ -	\$ 151,179	\$ 151,179
2017	981,731	29,900	951,831	176,550	176,550	\$ -	\$ 180,849	\$ 180,849
2018	951,831	29,900	921,930	172,014	172,014	\$ -	\$ 160,698	\$ 160,698
2019	921,930	29,900	892,030	167,479	167,479	\$ -	\$ 164,398	\$ 164,398
2020	892,030	29,900	862,129	162,943	162,943	\$ -	\$ 171,745	\$ 171,745
2021	862,129	29,900	832,229	158,408	158,408	\$ -	\$ 154,432	\$ 154,432
2022	832,229	29,900	802,329	153,872	153,872	\$ -		
2023	802,329	29,900	772,428	149,336	149,336	\$ -		
2024	772,428	29,900	742,528	144,801	144,801	\$ -		
2025	742,528	29,900	712,627	140,265	140,265	\$ -		
2026	712,627	29,900	682,727	135,730	135,730	\$ -		
2027	682,727	29,900	652,826	131,194	131,194	\$ -		
2028	652,826	29,900	622,926	126,659	126,659	\$ -		
2029	622,926	29,900	593,025	122,123	122,123	\$ -		
2030	593,025	29,900	563,125	117,588	117,588	\$ -		
2031	563,125	29,900	533,225	113,052	113,052	\$ -		
2032	533,225	29,900	503,324	108,517	108,517	\$ -		
2033	503,324	29,900	473,424	103,981	103,981	\$ -		
2034	473,424	29,900	443,523	99,445	99,445	\$ -		
2035	443,523	29,900	413,623	94,910	94,910	\$ -		
2036	413,623	29,900	383,722	90,374	90,374	\$ -		
2037	383,722	29,900	353,822	85,839	85,839	\$ -		
2038	353,822	29,900	323,921	81,303	81,303	\$ -		
2039	323,921	29,900	294,021	76,768	76,768	\$ -		
2040	294,021	29,900	264,121	72,232	72,232	\$ -		
2041	264,121	29,900	234,220	67,697	67,697	\$ -		
2042	234,220	29,900	204,320	63,161	63,161	\$ -		
2043	204,320	29,900	174,419	58,626	58,626	\$ -		
2044	174,419	29,900	144,519	54,090	54,090	\$ -		
2045	144,519	29,900	114,618	49,554	49,554	\$ -		
2046	114,618	29,900	84,718	45,019	45,019	\$ -		
2047	84,718	29,900	54,817	40,483	40,483	\$ -		
2048	54,817	29,900	24,917	35,948	35,948	\$ -		
2049	24,917	24,917	-	26,807	26,807	\$ -		
2050	-	-	-	-	-	\$ -		
2051	-	-	-	-	-	\$ -		
2052	-	-	-	-	-	\$ -		
2053	-	-	-	-	-	\$ -		
2054	-	-	-	-	-	\$ -		
2055	-	-	-	-	-	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2065	-	-	-	-	-	\$ -		
2066	-	-	-	-	-	\$ -		
2067	-	-	-	-	-	\$ -		
2068	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
Project Totals	1,076,416			4,151,515	4,151,515	-		

** 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	983,958
Current Projected Year ARR w/ Incentive	983,958
Current Projected Year Incentive ARR	-

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)

Details		Current Year	2022
Investment	6,849,657		
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	190,268

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	6,849,657		6,849,657	1,039,012	1,039,012	\$ -	\$ 576,980	\$ 576,980
2014	6,659,389	190,268	6,469,120	1,214,850	1,214,850	-	\$ 900,905	\$ 900,905
2015	6,469,120	190,268	6,278,852	1,185,988	1,185,988	-	\$ 882,849	\$ 882,849
2016	6,088,584	190,268	5,898,316	1,099,404	1,099,404	-	\$ 964,681	\$ 964,681
2017	5,898,316	190,268	5,708,047	1,070,542	1,070,542	-	\$ 1,154,533	\$ 1,154,533
2018	5,517,779	190,268	5,327,511	1,041,681	1,041,681	-	\$ 1,026,972	\$ 1,026,972
2019	5,137,243	190,268	4,946,974	983,958	983,958	-	\$ 1,049,916	\$ 1,049,916
2020	4,756,706	190,268	4,566,438	897,374	897,374	-	\$ 1,097,508	\$ 1,097,508
2021	4,566,438	190,268	4,376,170	868,512	868,512	-	\$ 987,532	\$ 987,532
2022	4,376,170	190,268	4,185,901	839,651	839,651	-		
2023	4,185,901	190,268	3,995,633	810,789	810,789	-		
2024	3,995,633	190,268	3,805,365	781,928	781,928	-		
2025	3,805,365	190,268	3,615,097	753,066	753,066	-		
2026	3,615,097	190,268	3,424,828	724,205	724,205	-		
2027	3,424,828	190,268	3,234,560	695,344	695,344	-		
2028	3,234,560	190,268	3,044,292	666,482	666,482	-		
2029	3,044,292	190,268	2,854,024	637,621	637,621	-		
2030	2,854,024	190,268	2,663,755	608,759	608,759	-		
2031	2,663,755	190,268	2,473,487	579,898	579,898	-		
2032	2,473,487	190,268	2,283,219	551,036	551,036	-		
2033	2,283,219	190,268	2,092,951	522,175	522,175	-		
2034	2,092,951	190,268	1,902,682	493,313	493,313	-		
2035	1,902,682	190,268	1,712,414	464,452	464,452	-		
2036	1,712,414	190,268	1,522,146	435,591	435,591	-		
2037	1,522,146	190,268	1,331,878	406,729	406,729	-		
2038	1,331,878	190,268	1,141,609	377,868	377,868	-		
2039	1,141,609	190,268	951,341	349,006	349,006	-		
2040	951,341	190,268	761,073	320,145	320,145	-		
2041	761,073	190,268	570,805	291,283	291,283	-		
2042	570,805	190,268	380,536	262,422	262,422	-		
2043	380,536	190,268	190,268	233,560	233,560	-		
2044	190,268	190,268	-	204,699	204,699	-		
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	-	-	-	-	-	-		
Project Totals	6,849,657		26,590,887	26,590,887	26,590,887	-		

** 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	3,290,723
Current Projected Year ARR w/ Incentive	3,290,723
Current Projected Year Incentive ARR	-

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

Details		Current Year	2022
Investment	21,942,391		
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	609,511

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	21,942,391	304,755	21,637,636	3,610,043	3,610,043	\$ -	\$ 962,431	\$ 962,431
2016	21,637,636	609,511	21,028,125	3,845,457	3,845,457	\$ -	\$ 7,321,581	\$ 7,321,581
2017	21,028,125	609,511	20,418,614	3,753,002	3,753,002	\$ -	\$ 4,892,362	\$ 4,892,362
2018	20,418,614	609,511	19,809,103	3,660,546	3,660,546	\$ -	\$ 3,315,908	\$ 3,315,908
2019	19,809,103	609,511	19,199,593	3,568,090	3,568,090	\$ -	\$ 1,878,388	\$ 1,878,388
2020	19,199,593	609,511	18,590,082	3,475,635	3,475,635	\$ -	\$ 1,943,866	\$ 1,943,866
2021	18,590,082	609,511	17,980,571	3,383,179	3,383,179	\$ -	\$ 3,307,154	\$ 3,307,154
2022	17,980,571	609,511	17,371,060	3,290,723	3,290,723	\$ -		
2023	17,371,060	609,511	16,761,549	3,198,268	3,198,268	\$ -		
2024	16,761,549	609,511	16,152,038	3,105,812	3,105,812	\$ -		
2025	16,152,038	609,511	15,542,527	3,013,357	3,013,357	\$ -		
2026	15,542,527	609,511	14,933,016	2,920,901	2,920,901	\$ -		
2027	14,933,016	609,511	14,323,506	2,828,445	2,828,445	\$ -		
2028	14,323,506	609,511	13,713,995	2,735,990	2,735,990	\$ -		
2029	13,713,995	609,511	13,104,484	2,643,534	2,643,534	\$ -		
2030	13,104,484	609,511	12,494,973	2,551,079	2,551,079	\$ -		
2031	12,494,973	609,511	11,885,462	2,458,623	2,458,623	\$ -		
2032	11,885,462	609,511	11,275,951	2,366,167	2,366,167	\$ -		
2033	11,275,951	609,511	10,666,440	2,273,712	2,273,712	\$ -		
2034	10,666,440	609,511	10,056,929	2,181,256	2,181,256	\$ -		
2035	10,056,929	609,511	9,447,419	2,088,801	2,088,801	\$ -		
2036	9,447,419	609,511	8,837,908	1,996,345	1,996,345	\$ -		
2037	8,837,908	609,511	8,228,397	1,903,889	1,903,889	\$ -		
2038	8,228,397	609,511	7,618,886	1,811,434	1,811,434	\$ -		
2039	7,618,886	609,511	7,009,375	1,718,978	1,718,978	\$ -		
2040	7,009,375	609,511	6,399,864	1,626,523	1,626,523	\$ -		
2041	6,399,864	609,511	5,790,353	1,534,067	1,534,067	\$ -		
2042	5,790,353	609,511	5,180,842	1,441,611	1,441,611	\$ -		
2043	5,180,842	609,511	4,571,332	1,349,156	1,349,156	\$ -		
2044	4,571,332	609,511	3,961,821	1,256,700	1,256,700	\$ -		
2045	3,961,821	609,511	3,352,310	1,164,245	1,164,245	\$ -		
2046	3,352,310	609,511	2,742,799	1,071,789	1,071,789	\$ -		
2047	2,742,799	609,511	2,133,288	979,333	979,333	\$ -		
2048	2,133,288	609,511	1,523,777	886,878	886,878	\$ -		
2049	1,523,777	609,511	914,266	794,422	794,422	\$ -		
2050	914,266	609,511	304,755	701,966	701,966	\$ -		
2051	304,755	304,755	-	327,869	327,869	\$ -		
2052	-	-	-	-	-	\$ -		
2053	-	-	-	-	-	\$ -		
2054	-	-	-	-	-	\$ -		
2055	-	-	-	-	-	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2065	-	-	-	-	-	\$ -		
2066	-	-	-	-	-	\$ -		
2067	-	-	-	-	-	\$ -		
2068	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
2074	-	-	-	-	-	\$ -		
Project Totals	21,942,391			83,517,826	83,517,826	-		

** 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	945,076
Current Projected Year ARR w/ Incentive	945,076
Current Projected Year Incentive ARR	-

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

Details			
Investment	6,422,010	Current Year	2022
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	178,389

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	29,732	6,392,278	1,001,620	1,001,620	\$ -	\$ 590,874	\$ 590,874
2015	6,392,278	178,389	6,213,889	1,134,493	1,134,493	\$ -	\$ 774,598	\$ 774,598
2016	6,213,889	178,389	6,035,500	1,107,433	1,107,433	\$ -	\$ 868,128	\$ 868,128
2017	6,035,500	178,389	5,857,111	1,080,374	1,080,374	\$ -	\$ 1,103,628	\$ 1,103,628
2018	5,857,111	178,389	5,678,722	1,053,314	1,053,314	\$ -	\$ 983,699	\$ 983,699
2019	5,678,722	178,389	5,500,333	1,026,254	1,026,254	\$ -	\$ 1,002,123	\$ 1,002,123
2020	5,500,333	178,389	5,321,943	999,195	999,195	\$ -	\$ 1,049,321	\$ 1,049,321
2021	5,321,943	178,389	5,143,554	972,135	972,135	\$ -	\$ 946,849	\$ 946,849
2022	5,143,554	178,389	4,965,165	945,076	945,076	\$ -		
2023	4,965,165	178,389	4,786,776	918,016	918,016	\$ -		
2024	4,786,776	178,389	4,608,387	890,957	890,957	\$ -		
2025	4,608,387	178,389	4,429,998	863,897	863,897	\$ -		
2026	4,429,998	178,389	4,251,608	836,838	836,838	\$ -		
2027	4,251,608	178,389	4,073,219	809,778	809,778	\$ -		
2028	4,073,219	178,389	3,894,830	782,719	782,719	\$ -		
2029	3,894,830	178,389	3,716,441	755,659	755,659	\$ -		
2030	3,716,441	178,389	3,538,052	728,600	728,600	\$ -		
2031	3,538,052	178,389	3,359,663	701,540	701,540	\$ -		
2032	3,359,663	178,389	3,181,273	674,481	674,481	\$ -		
2033	3,181,273	178,389	3,002,884	647,421	647,421	\$ -		
2034	3,002,884	178,389	2,824,495	620,362	620,362	\$ -		
2035	2,824,495	178,389	2,646,106	593,302	593,302	\$ -		
2036	2,646,106	178,389	2,467,717	566,242	566,242	\$ -		
2037	2,467,717	178,389	2,289,328	539,183	539,183	\$ -		
2038	2,289,328	178,389	2,110,939	512,123	512,123	\$ -		
2039	2,110,938	178,389	1,932,549	485,064	485,064	\$ -		
2040	1,932,549	178,389	1,754,160	458,004	458,004	\$ -		
2041	1,754,160	178,389	1,575,771	430,945	430,945	\$ -		
2042	1,575,771	178,389	1,397,382	403,885	403,885	\$ -		
2043	1,397,382	178,389	1,218,993	376,826	376,826	\$ -		
2044	1,218,993	178,389	1,040,603	349,766	349,766	\$ -		
2045	1,040,603	178,389	862,214	322,707	322,707	\$ -		
2046	862,214	178,389	683,825	295,647	295,647	\$ -		
2047	683,825	178,389	505,436	268,588	268,588	\$ -		
2048	505,436	178,389	327,047	241,528	241,528	\$ -		
2049	327,047	178,389	148,658	214,469	214,469	\$ -		
2050	148,658	178,389	-	159,932	159,932	\$ -		
2051	-	-	-	-	-	\$ -		
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			24,768,372	24,768,372	-		

** 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	1,993,183
Current Projected Year ARR w/ Incentive	1,993,183
Current Projected Year Incentive ARR	-

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

Details		Current Year	2022
Investment	13,479,817		
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	374,439

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	2,044,729	2,044,729	\$ -	\$ 1,611,055	\$ 1,611,055
2015	13,479,817	374,439	13,105,378	2,390,770	2,390,770	\$ -	\$ 1,730,626	\$ 1,730,626
2016	13,105,378	374,439	12,730,938	2,333,971	2,333,971	\$ -	\$ 1,837,127	\$ 1,837,127
2017	12,730,938	374,439	12,356,499	2,277,173	2,277,173	\$ -	\$ 2,315,830	\$ 2,315,830
2018	12,356,499	374,439	11,982,060	2,220,375	2,220,375	\$ -	\$ 2,058,911	\$ 2,058,911
2019	11,982,060	374,439	11,607,620	2,163,577	2,163,577	\$ -	\$ 2,110,913	\$ 2,110,913
2020	11,607,620	374,439	11,233,181	2,106,779	2,106,779	\$ -	\$ 2,211,159	\$ 2,211,159
2021	11,233,181	374,439	10,858,741	2,049,981	2,049,981	\$ -	\$ 1,996,356	\$ 1,996,356
2022	10,858,741	374,439	10,484,302	1,993,183	1,993,183	\$ -		
2023	10,484,302	374,439	10,109,863	1,936,385	1,936,385	\$ -		
2024	10,109,863	374,439	9,735,423	1,879,587	1,879,587	\$ -		
2025	9,735,423	374,439	9,360,984	1,822,789	1,822,789	\$ -		
2026	9,360,984	374,439	8,986,545	1,765,991	1,765,991	\$ -		
2027	8,986,545	374,439	8,612,105	1,709,193	1,709,193	\$ -		
2028	8,612,105	374,439	8,237,666	1,652,395	1,652,395	\$ -		
2029	8,237,666	374,439	7,863,227	1,595,597	1,595,597	\$ -		
2030	7,863,227	374,439	7,488,787	1,538,799	1,538,799	\$ -		
2031	7,488,787	374,439	7,114,348	1,482,001	1,482,001	\$ -		
2032	7,114,348	374,439	6,739,908	1,425,203	1,425,203	\$ -		
2033	6,739,908	374,439	6,365,469	1,368,405	1,368,405	\$ -		
2034	6,365,469	374,439	5,991,030	1,311,607	1,311,607	\$ -		
2035	5,991,030	374,439	5,616,590	1,254,809	1,254,809	\$ -		
2036	5,616,590	374,439	5,242,151	1,198,011	1,198,011	\$ -		
2037	5,242,151	374,439	4,867,712	1,141,213	1,141,213	\$ -		
2038	4,867,712	374,439	4,493,272	1,084,415	1,084,415	\$ -		
2039	4,493,272	374,439	4,118,833	1,027,617	1,027,617	\$ -		
2040	4,118,833	374,439	3,744,394	970,819	970,819	\$ -		
2041	3,744,394	374,439	3,369,954	914,021	914,021	\$ -		
2042	3,369,954	374,439	2,995,515	857,223	857,223	\$ -		
2043	2,995,515	374,439	2,621,076	800,425	800,425	\$ -		
2044	2,621,076	374,439	2,246,636	743,627	743,627	\$ -		
2045	2,246,636	374,439	1,872,197	686,829	686,829	\$ -		
2046	1,872,197	374,439	1,497,757	630,031	630,031	\$ -		
2047	1,497,757	374,439	1,123,318	573,232	573,232	\$ -		
2048	1,123,318	374,439	748,879	516,434	516,434	\$ -		
2049	748,879	374,439	374,439	459,636	459,636	\$ -		
2050	374,439	374,439	-	402,838	402,838	\$ -		
2051	-	-	-	-	-	\$ -		
2052	-	-	-	-	-	\$ -		
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			52,329,671	52,329,671	-		

** 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. [redacted] (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	2022
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
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 ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **
2014	-	-	-	-	-	\$ -	\$ 1,502,768	\$ 1,502,768
2015	-	-	-	-	-	\$ -	\$ 1,736,229	\$ 1,736,229
2016	-	-	-	-	-	\$ -	\$ 1,915,973	\$ 1,915,973
2017	-	-	-	-	-	\$ -	\$ 2,299,209	\$ 2,299,209
2018	-	-	-	-	-	\$ -	\$ 2,044,134	\$ 2,044,134
2019	-	-	-	-	-	\$ -	\$ -	\$ -
2020	-	-	-	-	-	\$ -	\$ -	\$ -
2021	-	-	-	-	-	\$ -	\$ -	\$ -
2022	-	-	-	-	-	\$ -	\$ -	\$ -
2023	-	-	-	-	-	\$ -	\$ -	\$ -
2024	-	-	-	-	-	\$ -	\$ -	\$ -
2025	-	-	-	-	-	\$ -	\$ -	\$ -
2026	-	-	-	-	-	\$ -	\$ -	\$ -
2027	-	-	-	-	-	\$ -	\$ -	\$ -
2028	-	-	-	-	-	\$ -	\$ -	\$ -
2029	-	-	-	-	-	\$ -	\$ -	\$ -
2030	-	-	-	-	-	\$ -	\$ -	\$ -
2031	-	-	-	-	-	\$ -	\$ -	\$ -
2032	-	-	-	-	-	\$ -	\$ -	\$ -
2033	-	-	-	-	-	\$ -	\$ -	\$ -
2034	-	-	-	-	-	\$ -	\$ -	\$ -
2035	-	-	-	-	-	\$ -	\$ -	\$ -
2036	-	-	-	-	-	\$ -	\$ -	\$ -
2037	-	-	-	-	-	\$ -	\$ -	\$ -
2038	-	-	-	-	-	\$ -	\$ -	\$ -
2039	-	-	-	-	-	\$ -	\$ -	\$ -
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2041	-	-	-	-	-	\$ -	\$ -	\$ -
2042	-	-	-	-	-	\$ -	\$ -	\$ -
2043	-	-	-	-	-	\$ -	\$ -	\$ -
2044	-	-	-	-	-	\$ -	\$ -	\$ -
2045	-	-	-	-	-	\$ -	\$ -	\$ -
2046	-	-	-	-	-	\$ -	\$ -	\$ -
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2048	-	-	-	-	-	\$ -	\$ -	\$ -
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2066	-	-	-	-	-	\$ -	\$ -	\$ -
2067	-	-	-	-	-	\$ -	\$ -	\$ -
2068	-	-	-	-	-	\$ -	\$ -	\$ -
2069	-	-	-	-	-	\$ -	\$ -	\$ -
2070	-	-	-	-	-	\$ -	\$ -	\$ -
2071	-	-	-	-	-	\$ -	\$ -	\$ -
2072	-	-	-	-	-	\$ -	\$ -	\$ -
2073	-	-	-	-	-	\$ -	\$ -	\$ -
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)

Current Projected Year ARR	1,974,403
Current Projected Year ARR w/ Incentive	1,974,403
Current Projected Year Incentive ARR	-

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

Details		Current Year	2022
Investment	13,744,474		
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	381,791

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	13,744,474		13,744,474	2,084,875	2,084,875	\$ -	\$ -	\$ -
2014	13,744,474	381,791	13,362,683	2,437,709	2,437,709	\$ -	\$ 294,473	\$ 294,473
2015	13,362,683	381,791	12,980,892	2,379,796	2,379,796	\$ -	\$ 1,769,452	\$ 1,769,452
2016	12,980,892	381,791	12,599,101	2,321,883	2,321,883	\$ -	\$ 1,930,442	\$ 1,930,442
2017	12,599,101	381,791	12,217,310	2,263,969	2,263,969	\$ -	\$ 2,311,328	\$ 2,311,328
2018	12,217,310	381,791	11,835,519	2,206,056	2,206,056	\$ -	\$ 2,058,707	\$ 2,058,707
2019	11,835,519	381,791	11,453,728	2,148,143	2,148,143	\$ -	\$ 2,106,755	\$ 2,106,755
2020	11,453,728	381,791	11,071,937	2,090,230	2,090,230	\$ -	\$ 2,201,768	\$ 2,201,768
2021	11,071,937	381,791	10,690,146	2,032,317	2,032,317	\$ -	\$ 1,980,992	\$ 1,980,992
2022	10,690,146	381,791	10,308,356	1,974,403	1,974,403	\$ -		
2023	10,308,356	381,791	9,926,565	1,916,490	1,916,490	\$ -		
2024	9,926,565	381,791	9,544,774	1,858,577	1,858,577	\$ -		
2025	9,544,774	381,791	9,162,983	1,800,664	1,800,664	\$ -		
2026	9,162,983	381,791	8,781,192	1,742,751	1,742,751	\$ -		
2027	8,781,192	381,791	8,399,401	1,684,838	1,684,838	\$ -		
2028	8,399,401	381,791	8,017,610	1,626,924	1,626,924	\$ -		
2029	8,017,610	381,791	7,635,819	1,569,011	1,569,011	\$ -		
2030	7,635,819	381,791	7,254,028	1,511,098	1,511,098	\$ -		
2031	7,254,028	381,791	6,872,237	1,453,185	1,453,185	\$ -		
2032	6,872,237	381,791	6,490,446	1,395,272	1,395,272	\$ -		
2033	6,490,446	381,791	6,108,655	1,337,358	1,337,358	\$ -		
2034	6,108,655	381,791	5,726,864	1,279,445	1,279,445	\$ -		
2035	5,726,864	381,791	5,345,073	1,221,532	1,221,532	\$ -		
2036	5,345,073	381,791	4,963,282	1,163,619	1,163,619	\$ -		
2037	4,963,282	381,791	4,581,491	1,105,706	1,105,706	\$ -		
2038	4,581,491	381,791	4,199,700	1,047,793	1,047,793	\$ -		
2039	4,199,700	381,791	3,817,909	989,879	989,879	\$ -		
2040	3,817,909	381,791	3,436,119	931,966	931,966	\$ -		
2041	3,436,119	381,791	3,054,328	874,053	874,053	\$ -		
2042	3,054,328	381,791	2,672,537	816,140	816,140	\$ -		
2043	2,672,537	381,791	2,290,746	758,227	758,227	\$ -		
2044	2,290,746	381,791	1,908,955	700,313	700,313	\$ -		
2045	1,908,955	381,791	1,527,164	642,400	642,400	\$ -		
2046	1,527,164	381,791	1,145,373	584,487	584,487	\$ -		
2047	1,145,373	381,791	763,582	526,574	526,574	\$ -		
2048	763,582	381,791	381,791	468,661	468,661	\$ -		
2049	381,791	381,791	0	410,748	410,748	\$ -		
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	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
Project Totals		13,744,474		53,357,090	53,357,090	-		

** 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	3,113,837
Current Projected Year ARR w/ Incentive	3,113,837
Current Projected Year Incentive ARR	-

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

Details		Current Year	2022
Investment	21,058,753		
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	584,965

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	584,965	21,058,753	3,194,364	3,194,364	\$ -	\$ 2,052,447	\$ 2,052,447
2015	21,058,753	584,965	20,473,788	3,734,964	3,734,964	\$ -	\$ 2,695,147	\$ 2,695,147
2016	20,473,788	584,965	19,888,823	3,646,231	3,646,231	\$ -	\$ 3,014,861	\$ 3,014,861
2017	19,888,823	584,965	19,303,857	3,557,499	3,557,499	\$ -	\$ 3,618,083	\$ 3,618,083
2018	19,303,857	584,965	18,718,892	3,468,767	3,468,767	\$ -	\$ 3,216,698	\$ 3,216,698
2019	18,718,892	584,965	18,133,927	3,380,034	3,380,034	\$ -	\$ 3,297,995	\$ 3,297,995
2020	18,133,927	584,965	17,548,961	3,291,302	3,291,302	\$ -	\$ 3,455,603	\$ 3,455,603
2021	17,548,961	584,965	16,963,996	3,202,570	3,202,570	\$ -	\$ 3,118,794	\$ 3,118,794
2022	16,963,996	584,965	16,379,030	3,113,837	3,113,837	\$ -		
2023	16,379,030	584,965	15,794,065	3,025,105	3,025,105	\$ -		
2024	15,794,065	584,965	15,209,100	2,936,372	2,936,372	\$ -		
2025	15,209,100	584,965	14,624,134	2,847,640	2,847,640	\$ -		
2026	14,624,134	584,965	14,039,169	2,758,908	2,758,908	\$ -		
2027	14,039,169	584,965	13,454,204	2,670,175	2,670,175	\$ -		
2028	13,454,204	584,965	12,869,238	2,581,443	2,581,443	\$ -		
2029	12,869,238	584,965	12,284,273	2,492,711	2,492,711	\$ -		
2030	12,284,273	584,965	11,699,307	2,403,978	2,403,978	\$ -		
2031	11,699,307	584,965	11,114,342	2,315,246	2,315,246	\$ -		
2032	11,114,342	584,965	10,529,377	2,226,514	2,226,514	\$ -		
2033	10,529,377	584,965	9,944,411	2,137,781	2,137,781	\$ -		
2034	9,944,411	584,965	9,359,446	2,049,049	2,049,049	\$ -		
2035	9,359,446	584,965	8,774,481	1,960,317	1,960,317	\$ -		
2036	8,774,481	584,965	8,189,515	1,871,584	1,871,584	\$ -		
2037	8,189,515	584,965	7,604,550	1,782,852	1,782,852	\$ -		
2038	7,604,550	584,965	7,019,584	1,694,120	1,694,120	\$ -		
2039	7,019,584	584,965	6,434,619	1,605,387	1,605,387	\$ -		
2040	6,434,619	584,965	5,849,654	1,516,655	1,516,655	\$ -		
2041	5,849,654	584,965	5,264,688	1,427,923	1,427,923	\$ -		
2042	5,264,688	584,965	4,679,723	1,339,190	1,339,190	\$ -		
2043	4,679,723	584,965	4,094,758	1,250,458	1,250,458	\$ -		
2044	4,094,758	584,965	3,509,792	1,161,726	1,161,726	\$ -		
2045	3,509,792	584,965	2,924,827	1,072,993	1,072,993	\$ -		
2046	2,924,827	584,965	2,339,861	984,261	984,261	\$ -		
2047	2,339,861	584,965	1,754,896	895,529	895,529	\$ -		
2048	1,754,896	584,965	1,169,931	806,796	806,796	\$ -		
2049	1,169,931	584,965	584,965	718,064	718,064	\$ -		
2050	584,965	584,965	0	629,332	629,332	\$ -		
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	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
Project Totals		21,058,753		81,751,677	81,751,677	-		

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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	555,205
Current Projected Year ARR w/ Incentive	555,205
Current Projected Year Incentive ARR	-

Project Description: RTEP ID: b2032 (Rebuild 138 kV Elliott Tap-Poston line)

Details			
Investment	3,781,771	Current Year	2022
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	9	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	105,049

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	26,262	3,755,509	597,920	597,920	\$ -	\$ 2,908,368	\$ 2,908,368
2015	3,755,509	105,049	3,650,460	666,748	666,748	\$ -	\$ 492,192	\$ 492,192
2016	3,650,460	105,049	3,545,410	650,813	650,813	\$ -	\$ 539,236	\$ 539,236
2017	3,545,410	105,049	3,440,361	634,879	634,879	\$ -	\$ 646,665	\$ 646,665
2018	3,440,361	105,049	3,335,312	618,944	618,944	\$ -	\$ 574,858	\$ 574,858
2019	3,335,312	105,049	3,230,263	603,009	603,009	\$ -	\$ 589,081	\$ 589,081
2020	3,230,263	105,049	3,125,214	587,075	587,075	\$ -	\$ 616,710	\$ 616,710
2021	3,125,214	105,049	3,020,164	571,140	571,140	\$ -	\$ 556,326	\$ 556,326
2022	3,020,164	105,049	2,915,115	555,205	555,205	\$ -		
2023	2,915,115	105,049	2,810,066	539,270	539,270	\$ -		
2024	2,810,066	105,049	2,705,017	523,336	523,336	\$ -		
2025	2,705,017	105,049	2,599,968	507,401	507,401	\$ -		
2026	2,599,968	105,049	2,494,918	491,466	491,466	\$ -		
2027	2,494,918	105,049	2,389,869	475,532	475,532	\$ -		
2028	2,389,869	105,049	2,284,820	459,597	459,597	\$ -		
2029	2,284,820	105,049	2,179,771	443,662	443,662	\$ -		
2030	2,179,771	105,049	2,074,722	427,727	427,727	\$ -		
2031	2,074,722	105,049	1,969,672	411,793	411,793	\$ -		
2032	1,969,672	105,049	1,864,623	395,858	395,858	\$ -		
2033	1,864,623	105,049	1,759,574	379,923	379,923	\$ -		
2034	1,759,574	105,049	1,654,525	363,988	363,988	\$ -		
2035	1,654,525	105,049	1,549,476	348,054	348,054	\$ -		
2036	1,549,476	105,049	1,444,426	332,119	332,119	\$ -		
2037	1,444,426	105,049	1,339,377	316,184	316,184	\$ -		
2038	1,339,377	105,049	1,234,328	300,250	300,250	\$ -		
2039	1,234,328	105,049	1,129,279	284,315	284,315	\$ -		
2040	1,129,279	105,049	1,024,230	268,380	268,380	\$ -		
2041	1,024,230	105,049	919,180	252,445	252,445	\$ -		
2042	919,180	105,049	814,131	236,511	236,511	\$ -		
2043	814,131	105,049	709,082	220,576	220,576	\$ -		
2044	709,082	105,049	604,033	204,641	204,641	\$ -		
2045	604,033	105,049	498,984	188,706	188,706	\$ -		
2046	498,984	105,049	393,934	172,772	172,772	\$ -		
2047	393,934	105,049	288,885	156,837	156,837	\$ -		
2048	288,885	105,049	183,836	140,902	140,902	\$ -		
2049	183,836	105,049	78,787	124,968	124,968	\$ -		
2050	78,787	78,787	-	84,762	84,762	\$ -		
2051	-	-	-	-	-	\$ -		
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		14,537,709	14,537,709	-		

** 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	4,215,783
Current Projected Year ARR w/ Incentive	4,215,783
Current Projected Year Incentive ARR	-

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)

Details		Current Year	2022
Investment	27,342,437		
Service Year (yyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	759,512

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	379,756	26,962,681	4,498,479	4,498,479	\$ -	\$ 1,957,261	\$ 1,957,261
2017	26,203,169	759,512	25,443,657	4,676,619	4,676,619	\$ -	\$ 582,397	\$ 582,397
2018	25,443,657	759,512	24,684,145	4,561,410	4,561,410	\$ -	\$ 4,098,498	\$ 4,098,498
2019	24,684,145	759,512	23,924,633	4,446,201	4,446,201	\$ -	\$ 4,209,863	\$ 4,209,863
2020	23,924,633	759,512	23,165,121	4,330,992	4,330,992	\$ -	\$ 4,424,103	\$ 4,424,103
2021	22,405,608	759,512	21,646,096	4,100,574	4,100,574	\$ -	\$ 4,212,214	\$ 4,212,214
2022	21,646,096	759,512	20,886,584	3,985,365	3,985,365	\$ -		
2023	20,886,584	759,512	20,127,072	3,870,156	3,870,156	\$ -		
2024	20,127,072	759,512	19,367,560	3,754,947	3,754,947	\$ -		
2025	19,367,560	759,512	18,608,048	3,639,738	3,639,738	\$ -		
2026	18,608,048	759,512	17,848,536	3,524,529	3,524,529	\$ -		
2027	17,848,536	759,512	17,089,023	3,409,320	3,409,320	\$ -		
2028	17,089,023	759,512	16,329,511	3,294,111	3,294,111	\$ -		
2029	16,329,511	759,512	15,569,999	3,178,902	3,178,902	\$ -		
2030	15,569,999	759,512	14,810,487	3,063,693	3,063,693	\$ -		
2031	14,810,487	759,512	14,050,975	2,948,484	2,948,484	\$ -		
2032	14,050,975	759,512	13,291,463	2,833,275	2,833,275	\$ -		
2033	13,291,463	759,512	12,531,951	2,718,066	2,718,066	\$ -		
2034	12,531,951	759,512	11,772,438	2,602,857	2,602,857	\$ -		
2035	11,772,438	759,512	11,012,926	2,487,648	2,487,648	\$ -		
2036	11,012,926	759,512	10,253,414	2,372,439	2,372,439	\$ -		
2037	10,253,414	759,512	9,493,902	2,257,230	2,257,230	\$ -		
2038	9,493,902	759,512	8,734,390	2,142,021	2,142,021	\$ -		
2039	8,734,390	759,512	7,974,878	2,026,811	2,026,811	\$ -		
2040	7,974,878	759,512	7,215,365	1,911,602	1,911,602	\$ -		
2041	7,215,365	759,512	6,455,853	1,796,393	1,796,393	\$ -		
2042	6,455,853	759,512	5,696,341	1,681,184	1,681,184	\$ -		
2043	5,696,341	759,512	4,936,829	1,565,975	1,565,975	\$ -		
2044	4,936,829	759,512	4,177,317	1,450,766	1,450,766	\$ -		
2045	4,177,317	759,512	3,417,805	1,335,557	1,335,557	\$ -		
2046	3,417,805	759,512	2,658,293	1,220,348	1,220,348	\$ -		
2047	2,658,293	759,512	1,898,780	1,105,139	1,105,139	\$ -		
2048	1,898,780	759,512	1,139,268	989,930	989,930	\$ -		
2049	1,139,268	759,512	379,756	874,721	874,721	\$ -		
2050	379,756	759,512	-	408,558	408,558	\$ -		
2051	-	-	-	-	-	\$ -		
2052	-	-	-	-	-	\$ -		
2053	-	-	-	-	-	\$ -		
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		104,071,652	104,071,652		-		

** 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. [REDACTED]

(e.g. ER05-925-000)

Current Projected Year ARR	932,130
Current Projected Year ARR w/ Incentive	932,130
Current Projected Year Incentive ARR	-

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

Details		2022
Investment	6,215,398	Current Year
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	6	FCR w/o incentives, less depreciation
Useful life	36	FCR w/incentives approved for these facilities, less dep.
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 ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **
2015	6,215,398	86,325	6,129,073	1,022,580	1,022,580	\$ -	\$ 643,594	\$ 643,594
2016	6,129,073	172,650	5,956,423	1,069,264	1,069,264	\$ -	\$ 866,696	\$ 866,696
2017	5,956,423	172,650	5,783,773	1,063,075	1,063,075	\$ -	\$ 1,077,982	\$ 1,077,982
2018	5,783,773	172,650	5,611,123	1,036,886	1,036,886	\$ -	\$ 958,607	\$ 958,607
2019	5,611,123	172,650	5,438,473	1,010,697	1,010,697	\$ -	\$ 983,630	\$ 983,630
2020	5,438,473	172,650	5,265,823	984,508	984,508	\$ -	\$ 1,031,481	\$ 1,031,481
2021	5,265,823	172,650	5,093,173	959,319	959,319	\$ -	\$ 932,835	\$ 932,835
2022	5,093,173	172,650	4,920,523	932,130	932,130	\$ -		
2023	4,920,523	172,650	4,747,873	905,941	905,941	\$ -		
2024	4,747,873	172,650	4,575,224	879,752	879,752	\$ -		
2025	4,575,224	172,650	4,402,574	853,563	853,563	\$ -		
2026	4,402,574	172,650	4,229,924	827,374	827,374	\$ -		
2027	4,229,924	172,650	4,057,274	801,185	801,185	\$ -		
2028	4,057,274	172,650	3,884,624	774,996	774,996	\$ -		
2029	3,884,624	172,650	3,711,974	748,807	748,807	\$ -		
2030	3,711,974	172,650	3,539,324	722,618	722,618	\$ -		
2031	3,539,324	172,650	3,366,674	696,429	696,429	\$ -		
2032	3,366,674	172,650	3,194,024	670,240	670,240	\$ -		
2033	3,194,024	172,650	3,021,374	644,051	644,051	\$ -		
2034	3,021,374	172,650	2,848,724	617,862	617,862	\$ -		
2035	2,848,724	172,650	2,676,074	591,673	591,673	\$ -		
2036	2,676,074	172,650	2,503,424	565,484	565,484	\$ -		
2037	2,503,424	172,650	2,330,774	539,295	539,295	\$ -		
2038	2,330,774	172,650	2,158,124	513,106	513,106	\$ -		
2039	2,158,124	172,650	1,985,474	486,917	486,917	\$ -		
2040	1,985,474	172,650	1,812,824	460,728	460,728	\$ -		
2041	1,812,824	172,650	1,640,174	434,540	434,540	\$ -		
2042	1,640,174	172,650	1,467,525	408,351	408,351	\$ -		
2043	1,467,525	172,650	1,294,875	382,162	382,162	\$ -		
2044	1,294,875	172,650	1,122,225	355,973	355,973	\$ -		
2045	1,122,225	172,650	949,575	329,784	329,784	\$ -		
2046	949,575	172,650	776,925	303,595	303,595	\$ -		
2047	776,925	172,650	604,275	277,406	277,406	\$ -		
2048	604,275	172,650	431,625	251,217	251,217	\$ -		
2049	431,625	172,650	258,975	225,028	225,028	\$ -		
2050	258,975	172,650	86,325	198,839	198,839	\$ -		
2051	86,325	86,325	-	92,872	92,872	\$ -		
2052	-	-	-	-	-	\$ -		
2053	-	-	-	-	-	\$ -		
2054	-	-	-	-	-	\$ -		
2055	-	-	-	-	-	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2065	-	-	-	-	-	\$ -		
2066	-	-	-	-	-	\$ -		
2067	-	-	-	-	-	\$ -		
2068	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
2074	-	-	-	-	-	\$ -		
Project Totals	6,215,398			23,657,245	23,657,245	-		

** 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	2,767,743
Current Projected Year ARR w/ Incentive	2,767,743
Current Projected Year Incentive ARR	-

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

Details		2022
Investment	18,412,074	Current Year
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	7	FCR w/o incentives, less depreciation
Useful life	36	FCR w/incentives approved for these facilities, less dep.
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 #	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **
2015	18,412,074	213,103	18,198,972	2,989,835	2,989,835	\$ -	\$ 1,528,116	\$ 1,528,116
2016	18,198,972	511,447	17,687,525	3,233,226	3,233,226	\$ -	\$ 887,506	\$ 887,506
2017	17,687,525	511,447	17,176,079	3,155,645	3,155,645	\$ -	\$ 1,060,430	\$ 1,060,430
2018	17,176,079	511,447	16,664,632	3,078,065	3,078,065	\$ -	\$ 930,781	\$ 930,781
2019	16,664,632	511,447	16,153,186	3,000,484	3,000,484	\$ -	\$ 2,918,930	\$ 2,918,930
2020	16,153,186	511,447	15,641,739	2,922,904	2,922,904	\$ -	\$ 3,061,483	\$ 3,061,483
2021	15,641,739	511,447	15,130,293	2,845,324	2,845,324	\$ -	\$ 2,769,457	\$ 2,769,457
2022	15,130,293	511,447	14,618,846	2,767,743	2,767,743	\$ -		
2023	14,618,846	511,447	14,107,400	2,690,163	2,690,163	\$ -		
2024	14,107,400	511,447	13,595,953	2,612,582	2,612,582	\$ -		
2025	13,595,953	511,447	13,084,507	2,535,002	2,535,002	\$ -		
2026	13,084,507	511,447	12,573,060	2,457,422	2,457,422	\$ -		
2027	12,573,060	511,447	12,061,614	2,379,841	2,379,841	\$ -		
2028	12,061,614	511,447	11,550,167	2,302,261	2,302,261	\$ -		
2029	11,550,167	511,447	11,038,721	2,224,680	2,224,680	\$ -		
2030	11,038,721	511,447	10,527,274	2,147,100	2,147,100	\$ -		
2031	10,527,274	511,447	10,015,828	2,069,520	2,069,520	\$ -		
2032	10,015,828	511,447	9,504,381	1,991,939	1,991,939	\$ -		
2033	9,504,381	511,447	8,992,934	1,914,359	1,914,359	\$ -		
2034	8,992,934	511,447	8,481,488	1,836,778	1,836,778	\$ -		
2035	8,481,488	511,447	7,970,041	1,759,198	1,759,198	\$ -		
2036	7,970,041	511,447	7,458,595	1,681,618	1,681,618	\$ -		
2037	7,458,595	511,447	6,947,148	1,604,037	1,604,037	\$ -		
2038	6,947,148	511,447	6,435,702	1,526,457	1,526,457	\$ -		
2039	6,435,702	511,447	5,924,255	1,448,876	1,448,876	\$ -		
2040	5,924,255	511,447	5,412,809	1,371,296	1,371,296	\$ -		
2041	5,412,809	511,447	4,901,362	1,293,716	1,293,716	\$ -		
2042	4,901,362	511,447	4,389,916	1,216,135	1,216,135	\$ -		
2043	4,389,916	511,447	3,878,469	1,138,555	1,138,555	\$ -		
2044	3,878,469	511,447	3,367,023	1,060,974	1,060,974	\$ -		
2045	3,367,023	511,447	2,855,576	983,394	983,394	\$ -		
2046	2,855,576	511,447	2,344,130	905,814	905,814	\$ -		
2047	2,344,130	511,447	1,832,683	828,233	828,233	\$ -		
2048	1,832,683	511,447	1,321,237	750,653	750,653	\$ -		
2049	1,321,237	511,447	809,790	673,072	673,072	\$ -		
2050	809,790	511,447	298,344	595,492	595,492	\$ -		
2051	298,344	-	-	320,971	320,971	\$ -		
2052	-	-	-	-	-	\$ -		
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			70,313,362	70,313,362	-		

** 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.

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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	1,119,410
Current Projected Year ARR w/ Incentive	1,119,410
Current Projected Year Incentive ARR	-

Project Description: RTEP ID: b1957 (Terminate Transformer #2 at SW Lima in new bay position)

Details		Current Year	2022
Investment	7,360,772		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basic Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	204,466

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	1,116,542	1,116,542	\$ -	\$ 714,472	\$ 714,472
2016	7,360,772	204,466	7,156,306	1,305,501	1,305,501	\$ -	\$ 1,030,854	\$ 1,030,854
2017	7,156,306	204,466	6,951,840	1,274,486	1,274,486	\$ -	\$ 1,310,546	\$ 1,310,546
2018	6,951,840	204,466	6,747,374	1,243,470	1,243,470	\$ -	\$ 1,148,932	\$ 1,148,932
2019	6,747,374	204,466	6,542,908	1,212,455	1,212,455	\$ -	\$ 1,177,105	\$ 1,177,105
2020	6,542,908	204,466	6,338,443	1,181,440	1,181,440	\$ -	\$ 1,235,701	\$ 1,235,701
2021	6,338,443	204,466	6,133,977	1,150,425	1,150,425	\$ -	\$ 1,119,347	\$ 1,119,347
2022	6,133,977	204,466	5,929,511	1,119,410	1,119,410	\$ -		
2023	5,929,511	204,466	5,725,045	1,088,395	1,088,395	\$ -		
2024	5,725,045	204,466	5,520,579	1,057,380	1,057,380	\$ -		
2025	5,520,579	204,466	5,316,113	1,026,365	1,026,365	\$ -		
2026	5,316,113	204,466	5,111,647	995,350	995,350	\$ -		
2027	5,111,647	204,466	4,907,181	964,335	964,335	\$ -		
2028	4,907,181	204,466	4,702,715	933,320	933,320	\$ -		
2029	4,702,715	204,466	4,498,250	902,305	902,305	\$ -		
2030	4,498,250	204,466	4,293,784	871,290	871,290	\$ -		
2031	4,293,784	204,466	4,089,318	840,275	840,275	\$ -		
2032	4,089,318	204,466	3,884,852	809,260	809,260	\$ -		
2033	3,884,852	204,466	3,680,386	778,245	778,245	\$ -		
2034	3,680,386	204,466	3,475,920	747,229	747,229	\$ -		
2035	3,475,920	204,466	3,271,454	716,214	716,214	\$ -		
2036	3,271,454	204,466	3,066,988	685,199	685,199	\$ -		
2037	3,066,988	204,466	2,862,522	654,184	654,184	\$ -		
2038	2,862,522	204,466	2,658,057	623,169	623,169	\$ -		
2039	2,658,057	204,466	2,453,591	592,154	592,154	\$ -		
2040	2,453,591	204,466	2,249,125	561,139	561,139	\$ -		
2041	2,249,125	204,466	2,044,659	530,124	530,124	\$ -		
2042	2,044,659	204,466	1,840,193	499,109	499,109	\$ -		
2043	1,840,193	204,466	1,635,727	468,094	468,094	\$ -		
2044	1,635,727	204,466	1,431,261	437,079	437,079	\$ -		
2045	1,431,261	204,466	1,226,795	406,064	406,064	\$ -		
2046	1,226,795	204,466	1,022,329	375,049	375,049	\$ -		
2047	1,022,329	204,466	817,864	344,034	344,034	\$ -		
2048	817,864	204,466	613,398	313,019	313,019	\$ -		
2049	613,398	204,466	408,932	282,004	282,004	\$ -		
2050	408,932	204,466	204,466	250,988	250,988	\$ -		
2051	204,466	204,466	-	219,973	219,973	\$ -		
2052	-	-	-	-	-	\$ -		
2053	-	-	-	-	-	\$ -		
2054	-	-	-	-	-	\$ -		
2055	-	-	-	-	-	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
2074	-	-	-	-	-	\$ -		
2075	-	-	-	-	-	\$ -		
2076	-	-	-	-	-	\$ -		
2077	-	-	-	-	-	\$ -		
2078	-	-	-	-	-	\$ -		
Project Totals		7,360,772		28,575,075	28,575,075	-		

** 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	7,644,099
Current Projected Year ARR w/ Incentive	7,644,099
Current Projected Year Incentive ARR	-

Project Description: RTEP ID: b2019 (Establish Burger 345/138 kV station)

Details		Current Year	2022
Investment	50,970,497		
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,415,847

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	50,970,497	707,924	50,262,573	8,385,855	8,385,855	\$ -	\$ 6,416,043	\$ 6,416,043
2016	50,262,573	1,415,847	48,846,726	8,332,703	8,332,703	\$ -	\$ 7,260,678	\$ 7,260,678
2017	48,846,726	1,415,847	47,430,879	8,717,935	8,717,935	\$ -	\$ 8,690,541	\$ 8,690,541
2018	47,430,879	1,415,847	46,015,032	8,503,168	8,503,168	\$ -	\$ 7,830,032	\$ 7,830,032
2019	46,015,032	1,415,847	44,599,185	8,288,401	8,288,401	\$ -	\$ 8,066,438	\$ 8,066,438
2020	44,599,185	1,415,847	43,183,338	8,073,634	8,073,634	\$ -	\$ 8,458,843	\$ 8,458,843
2021	43,183,338	1,415,847	41,767,491	7,858,866	7,858,866	\$ -	\$ 7,649,880	\$ 7,649,880
2022	41,767,491	1,415,847	40,351,643	7,644,099	7,644,099	\$ -		
2023	40,351,643	1,415,847	38,935,796	7,429,332	7,429,332	\$ -		
2024	38,935,796	1,415,847	37,519,949	7,214,564	7,214,564	\$ -		
2025	37,519,949	1,415,847	36,104,102	6,999,797	6,999,797	\$ -		
2026	36,104,102	1,415,847	34,688,255	6,785,030	6,785,030	\$ -		
2027	34,688,255	1,415,847	33,272,408	6,570,262	6,570,262	\$ -		
2028	33,272,408	1,415,847	31,856,561	6,355,495	6,355,495	\$ -		
2029	31,856,561	1,415,847	30,440,713	6,140,728	6,140,728	\$ -		
2030	30,440,713	1,415,847	29,024,866	5,925,961	5,925,961	\$ -		
2031	29,024,866	1,415,847	27,609,019	5,711,193	5,711,193	\$ -		
2032	27,609,019	1,415,847	26,193,172	5,496,426	5,496,426	\$ -		
2033	26,193,172	1,415,847	24,777,325	5,281,659	5,281,659	\$ -		
2034	24,777,325	1,415,847	23,361,478	5,066,891	5,066,891	\$ -		
2035	23,361,478	1,415,847	21,945,631	4,852,124	4,852,124	\$ -		
2036	21,945,631	1,415,847	20,529,784	4,637,357	4,637,357	\$ -		
2037	20,529,784	1,415,847	19,113,936	4,422,589	4,422,589	\$ -		
2038	19,113,936	1,415,847	17,698,089	4,207,822	4,207,822	\$ -		
2039	17,698,089	1,415,847	16,282,242	3,993,055	3,993,055	\$ -		
2040	16,282,242	1,415,847	14,866,395	3,778,287	3,778,287	\$ -		
2041	14,866,395	1,415,847	13,450,548	3,563,520	3,563,520	\$ -		
2042	13,450,548	1,415,847	12,034,701	3,348,753	3,348,753	\$ -		
2043	12,034,701	1,415,847	10,618,854	3,133,986	3,133,986	\$ -		
2044	10,618,854	1,415,847	9,203,006	2,919,218	2,919,218	\$ -		
2045	9,203,006	1,415,847	7,787,159	2,704,451	2,704,451	\$ -		
2046	7,787,159	1,415,847	6,371,312	2,489,684	2,489,684	\$ -		
2047	6,371,312	1,415,847	4,955,465	2,274,916	2,274,916	\$ -		
2048	4,955,465	1,415,847	3,539,618	2,060,149	2,060,149	\$ -		
2049	3,539,618	1,415,847	2,123,771	1,845,382	1,845,382	\$ -		
2050	2,123,771	1,415,847	707,924	1,630,614	1,630,614	\$ -		
2051	707,924	707,924	-	761,615	761,615	\$ -		
2052	-	-	-	-	-	\$ -		
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		194,005,521	194,005,521	-		

** 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	7,839,684
Current Projected Year ARR w/ Incentive	7,839,684
Current Projected Year Incentive ARR	-

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

Details		Current Year	2022
Investment	52,397,331		
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	5	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,455,481

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	52,397,331	849,031	51,548,300	8,732,694	8,732,694	\$ -	\$ 7,243,003	\$ 7,243,003
2016	51,548,300	1,455,481	50,092,819	9,164,361	9,164,361	\$ -	\$ 7,538,577	\$ 7,538,577
2017	50,092,819	1,455,481	48,637,337	8,943,581	8,943,581	\$ -	\$ 9,073,387	\$ 9,073,387
2018	48,637,337	1,455,481	47,181,856	8,722,802	8,722,802	\$ -	\$ 8,068,347	\$ 8,068,347
2019	47,181,856	1,455,481	45,726,375	8,502,023	8,502,023	\$ -	\$ 8,277,757	\$ 8,277,757
2020	45,726,375	1,455,481	44,270,893	8,281,243	8,281,243	\$ -	\$ 8,678,860	\$ 8,678,860
2021	44,270,893	1,455,481	42,815,412	8,060,464	8,060,464	\$ -	\$ 7,846,693	\$ 7,846,693
2022	42,815,412	1,455,481	41,359,930	7,839,684	7,839,684	\$ -		
2023	41,359,930	1,455,481	39,904,449	7,618,905	7,618,905	\$ -		
2024	39,904,449	1,455,481	38,448,967	7,398,126	7,398,126	\$ -		
2025	38,448,967	1,455,481	36,993,486	7,177,346	7,177,346	\$ -		
2026	36,993,486	1,455,481	35,538,005	6,956,567	6,956,567	\$ -		
2027	35,538,005	1,455,481	34,082,523	6,735,788	6,735,788	\$ -		
2028	34,082,523	1,455,481	32,627,042	6,515,008	6,515,008	\$ -		
2029	32,627,042	1,455,481	31,171,560	6,294,229	6,294,229	\$ -		
2030	31,171,560	1,455,481	29,716,079	6,073,450	6,073,450	\$ -		
2031	29,716,079	1,455,481	28,260,598	5,852,670	5,852,670	\$ -		
2032	28,260,598	1,455,481	26,805,116	5,631,891	5,631,891	\$ -		
2033	26,805,116	1,455,481	25,349,635	5,411,112	5,411,112	\$ -		
2034	25,349,635	1,455,481	23,894,153	5,190,332	5,190,332	\$ -		
2035	23,894,153	1,455,481	22,438,672	4,969,553	4,969,553	\$ -		
2036	22,438,672	1,455,481	20,983,190	4,748,773	4,748,773	\$ -		
2037	20,983,190	1,455,481	19,527,709	4,527,994	4,527,994	\$ -		
2038	19,527,709	1,455,481	18,072,228	4,307,215	4,307,215	\$ -		
2039	18,072,228	1,455,481	16,616,746	4,086,435	4,086,435	\$ -		
2040	16,616,746	1,455,481	15,161,265	3,865,656	3,865,656	\$ -		
2041	15,161,265	1,455,481	13,705,783	3,644,877	3,644,877	\$ -		
2042	13,705,783	1,455,481	12,250,302	3,424,097	3,424,097	\$ -		
2043	12,250,302	1,455,481	10,794,821	3,203,318	3,203,318	\$ -		
2044	10,794,821	1,455,481	9,339,339	2,982,539	2,982,539	\$ -		
2045	9,339,339	1,455,481	7,883,858	2,761,759	2,761,759	\$ -		
2046	7,883,858	1,455,481	6,428,376	2,540,980	2,540,980	\$ -		
2047	6,428,376	1,455,481	4,972,895	2,320,201	2,320,201	\$ -		
2048	4,972,895	1,455,481	3,517,413	2,099,421	2,099,421	\$ -		
2049	3,517,413	1,455,481	2,061,932	1,878,642	1,878,642	\$ -		
2050	2,061,932	1,455,481	606,451	1,657,862	1,657,862	\$ -		
2051	606,451	606,451	-	652,446	652,446	\$ -		
2052	-	-	-	-	-	\$ -		
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		198,774,044	198,774,044	-		

** 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	424,998
Current Projected Year ARR w/ Incentive	424,998
Current Projected Year Incentive ARR	-

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

Details		2022
Investment	2,647,880	Current Year
Service Year (yyyy)	2017	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	12	FCR w/o incentives, less depreciation
Useful life	36	FCR w/incentives approved for these facilities, less dep.
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 ##	RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **
2017	2,647,880	73,552	2,647,880	401,652	401,652	\$ -	\$ 525,167	\$ 525,167
2018	2,647,880	73,552	2,574,328	469,626	469,626	\$ -	\$ 400,069	\$ 400,069
2019	2,574,328	73,552	2,500,776	458,469	458,469	\$ -	\$ 448,563	\$ 448,563
2020	2,500,776	73,552	2,427,224	447,312	447,312	\$ -	\$ 464,920	\$ 464,920
2021	2,427,224	73,552	2,353,672	436,155	436,155	\$ -	\$ 423,736	\$ 423,736
2022	2,353,672	73,552	2,280,119	424,998	424,998	\$ -		
2023	2,280,119	73,552	2,206,567	413,841	413,841	\$ -		
2024	2,206,567	73,552	2,133,015	402,684	402,684	\$ -		
2025	2,133,015	73,552	2,059,463	391,527	391,527	\$ -		
2026	2,059,463	73,552	1,985,910	380,370	380,370	\$ -		
2027	1,985,910	73,552	1,912,358	369,213	369,213	\$ -		
2028	1,912,358	73,552	1,838,806	358,056	358,056	\$ -		
2029	1,838,806	73,552	1,765,254	346,899	346,899	\$ -		
2030	1,765,254	73,552	1,691,701	335,742	335,742	\$ -		
2031	1,691,701	73,552	1,618,149	324,585	324,585	\$ -		
2032	1,618,149	73,552	1,544,597	313,428	313,428	\$ -		
2033	1,544,597	73,552	1,471,045	302,271	302,271	\$ -		
2034	1,471,045	73,552	1,397,492	291,114	291,114	\$ -		
2035	1,397,492	73,552	1,323,940	279,957	279,957	\$ -		
2036	1,323,940	73,552	1,250,388	268,800	268,800	\$ -		
2037	1,250,388	73,552	1,176,836	257,643	257,643	\$ -		
2038	1,176,836	73,552	1,103,284	246,486	246,486	\$ -		
2039	1,103,284	73,552	1,029,731	235,329	235,329	\$ -		
2040	1,029,731	73,552	956,179	224,172	224,172	\$ -		
2041	956,179	73,552	882,627	213,015	213,015	\$ -		
2042	882,627	73,552	809,075	201,858	201,858	\$ -		
2043	809,075	73,552	735,522	190,701	190,701	\$ -		
2044	735,522	73,552	661,970	179,544	179,544	\$ -		
2045	661,970	73,552	588,418	168,387	168,387	\$ -		
2046	588,418	73,552	514,866	157,230	157,230	\$ -		
2047	514,866	73,552	441,313	146,073	146,073	\$ -		
2048	441,313	73,552	367,761	134,916	134,916	\$ -		
2049	367,761	73,552	294,209	123,759	123,759	\$ -		
2050	294,209	73,552	220,657	112,602	112,602	\$ -		
2051	220,657	73,552	147,104	101,445	101,445	\$ -		
2052	147,104	73,552	73,552	90,288	90,288	\$ -		
2053	73,552	73,552	-	79,131	79,131	\$ -		
2054	-	-	-	-	-	\$ -		
2055	-	-	-	-	-	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2065	-	-	-	-	-	\$ -		
2066	-	-	-	-	-	\$ -		
2067	-	-	-	-	-	\$ -		
2068	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
2074	-	-	-	-	-	\$ -		
2075	-	-	-	-	-	\$ -		
2076	-	-	-	-	-	\$ -		
Project Totals		2,647,880		10,279,273	10,279,273	-		

** 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	3,187,129
Current Projected Year ARR w/ Incentive	3,187,129
Current Projected Year Incentive ARR	-

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

Details		Current Year	2022
Investment	19,104,593		
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	15.17%
Useful life	36	FCR w/incentives approved for these facilities, less dep.	15.17%
CIAC (Yes or No)	No	Annual Depreciation Expense	530,683

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 **
2019	19,104,593	265,342	18,839,252	3,143,158	3,143,158	\$ -	\$ 355,700	\$ 355,700
2020	18,308,568	530,683	17,777,885	3,348,126	3,348,126	\$ -	\$ 269,768	\$ 269,768
2021	17,247,202	530,683	16,716,519	3,267,628	3,267,628	\$ -	\$ 2,933,749	\$ 2,933,749
2022	16,185,836	530,683	15,655,153	3,187,129	3,187,129	\$ -		
2023	15,124,470	530,683	14,593,786	3,106,631	3,106,631	\$ -		
2024	14,063,103	530,683	13,532,420	3,026,133	3,026,133	\$ -		
2025	13,001,737	530,683	12,471,054	2,945,634	2,945,634	\$ -		
2026	11,940,371	530,683	11,409,688	2,865,136	2,865,136	\$ -		
2027	10,879,004	530,683	10,348,321	2,784,638	2,784,638	\$ -		
2028	9,817,638	530,683	9,286,955	2,704,139	2,704,139	\$ -		
2029	8,756,272	530,683	8,226,589	2,623,641	2,623,641	\$ -		
2030	7,694,906	530,683	7,164,222	2,543,142	2,543,142	\$ -		
2031	6,633,559	530,683	6,102,856	2,462,644	2,462,644	\$ -		
2032	5,572,173	530,683	5,041,490	2,382,146	2,382,146	\$ -		
2033	4,510,807	530,683	4,010,124	2,301,647	2,301,647	\$ -		
2034	3,449,440	530,683	2,918,757	2,221,149	2,221,149	\$ -		
2035	2,388,074	530,683	1,857,391	2,140,651	2,140,651	\$ -		
2036	1,326,708	530,683	796,025	2,060,152	2,060,152	\$ -		
2037	265,342	530,683	265,342	1,979,654	1,979,654	\$ -		
2038	-	-	-	1,899,155	1,899,155	\$ -		
2039	-	-	-	1,818,657	1,818,657	\$ -		
2040	-	-	-	1,738,159	1,738,159	\$ -		
2041	-	-	-	1,657,660	1,657,660	\$ -		
2042	-	-	-	1,577,162	1,577,162	\$ -		
2043	-	-	-	1,496,664	1,496,664	\$ -		
2044	-	-	-	1,416,165	1,416,165	\$ -		
2045	-	-	-	1,335,667	1,335,667	\$ -		
2046	-	-	-	1,255,168	1,255,168	\$ -		
2047	-	-	-	1,174,670	1,174,670	\$ -		
2048	-	-	-	1,094,172	1,094,172	\$ -		
2049	-	-	-	1,013,673	1,013,673	\$ -		
2050	-	-	-	933,175	933,175	\$ -		
2051	-	-	-	852,677	852,677	\$ -		
2052	-	-	-	772,178	772,178	\$ -		
2053	-	-	-	691,680	691,680	\$ -		
2054	-	-	-	611,182	611,182	\$ -		
2055	-	-	-	285,466	285,466	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2065	-	-	-	-	-	\$ -		
2066	-	-	-	-	-	\$ -		
2067	-	-	-	-	-	\$ -		
2068	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
2074	-	-	-	-	-	\$ -		
2075	-	-	-	-	-	\$ -		
2076	-	-	-	-	-	\$ -		
2077	-	-	-	-	-	\$ -		
2078	-	-	-	-	-	\$ -		
Project Totals	19,104,593		72,716,508	72,716,508		-		

** 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.

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	2,186,513,000	-	-	-	2,186,513,000
2	January	2,207,298,000	-	-	-	2,207,298,000
3	February	2,194,658,000	-	-	-	2,194,658,000
4	March	2,216,441,000	-	-	-	2,216,441,000
5	April	2,236,510,000	-	-	-	2,236,510,000
6	May	2,227,737,000	-	-	-	2,227,737,000
7	June	2,233,700,000	-	-	-	2,233,700,000
8	July	2,254,804,000	-	-	-	2,254,804,000
9	August	2,245,961,000	-	-	-	2,245,961,000
10	September	2,265,688,000	-	-	-	2,265,688,000
11	October	2,287,318,000	-	-	-	2,287,318,000
12	November	2,277,089,000	-	-	-	2,277,089,000
13	December of Rate Year	2,297,906,000	-	-	-	2,297,906,000
14	Average of the 13 Monthly Balances	2,240,894,000	-	-	-	2,240,894,000

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)	LT Advances from Assoc. Companies (d)	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	-	-	1,620,700,000	160,000,000	-	1,780,700,000
16	January	-	-	1,620,700,000	160,000,000	-	1,780,700,000
17	February	-	-	1,620,700,000	160,000,000	-	1,780,700,000
18	March	-	-	1,620,700,000	240,000,000	-	1,860,700,000
19	April	-	-	1,620,700,000	240,000,000	-	1,860,700,000
20	May	-	-	1,620,700,000	240,000,000	-	1,860,700,000
21	June	-	-	1,620,700,000	240,000,000	-	1,860,700,000
22	July	-	-	1,620,700,000	240,000,000	-	1,860,700,000
23	August	-	-	1,620,700,000	240,000,000	-	1,860,700,000
24	September	-	-	1,620,700,000	240,000,000	-	1,860,700,000
25	October	-	-	1,537,500,000	410,000,000	-	1,947,500,000
26	November	-	-	1,537,500,000	410,000,000	-	1,947,500,000
27	December of Rate Year	-	-	1,537,500,000	410,000,000	-	1,947,500,000
28	Average of the 13 Monthly Balances	-	-	1,601,500,000	260,769,000	-	1,862,269,231

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 2022						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			69,529,000			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 43 below.			-			
32	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			-			
33	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			-			
34	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			-			
35	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)			-			
36	Total Interest Expense (Ln 30 - 31 + 32 + 33 - 34 - 35)			69,529,000			
37	Average Cost of Debt for 2022 (Ln 36/ In 28 (g))			3.73%			

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.

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

Development of Cost of Preferred Stock

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

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

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	-\$109,892,000
4	Base Year relating to retired personnel	\$0
5	Amount allocated on Labor	-\$109,892,000
6	Total AEP System Direct Labor Expense	\$1,489,638,000
7	AEP System PBOP expense per dollar of direct labor (PBOP Rate)	-\$0.074
8	Currently Approved PBOP Rate	-\$0.043
9	Base PBOP TransCo labor expensed in current year	\$12,973,000
10	Allowable TransCo PBOP Expense for current year (Ln 8 * Ln 9)	-\$558,000
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)	-\$1,771,000
15	Actual PBOP Expense (Sum Lines 11-14)	-\$1,771,000
16	PBOP Adjustment Line 10 less Line 15	\$1,213,000

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 1/1/2020**

AEP Ohio Transmission Company

	PLANT ACCT.	RATES Note 1
<i>TRANSMISSION PLANT</i>		
Electric Storage Equipment (4)	350.1	0.00%
Structures & Improvements	351.0	1.95%
Station Equipment	352.0	2.43%
Towers & Fixtures	353.0	2.27%
Poles & Fixtures	354.0	3.53%
OH Conductor & Devices	355.0	2.30%
Underground Conduit	356.0	2.59%
Underground Conductor	357.0	3.09%
<i>GENERAL PLANT</i>		
Structures & Improvements	390.0	2.65%
Office Furniture & Equipment	391.0	3.73%
Transportation Equipment	393.0	0.00%
Stores Equipment	394.0	4.43%
Tools Shop & Garage Equipment	395.0	4.59%
Laboratory Equipment	396.0	5.01%
Communication Equipment	394.0	4.87%
Miscellaneous Equipment	398.0	4.24%

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.

<u>Composite Depreciation Rate</u>	<u>CSP</u>	<u>OPCo</u>	<u>TOTAL</u>
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.

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

Reconciliation Revenue Requirement For Year 2020 Available May 25, 2021	-	2020 Forecasted Revenue Requirement For Year 2020	=	True-up Adjustment - Over (Under) Recovery
\$535,543,742		\$523,131,662		(\$12,412,080)

Interest Rate on Amount of Refunds or Surcharges (Note 1)	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.3145%				
An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021						
Calculation of Interest				Monthly		
January	Year 2020	(1,034,340)	0.3145%	12	39,036	1,073,376
February	Year 2020	(1,034,340)	0.3145%	11	35,783	1,070,123
March	Year 2020	(1,034,340)	0.3145%	10	32,530	1,066,870
April	Year 2020	(1,034,340)	0.3145%	9	29,277	1,063,617
May	Year 2020	(1,034,340)	0.3145%	8	26,024	1,060,364
June	Year 2020	(1,034,340)	0.3145%	7	22,771	1,057,111
July	Year 2020	(1,034,340)	0.3145%	6	19,518	1,053,858
August	Year 2020	(1,034,340)	0.3145%	5	16,265	1,050,605
September	Year 2020	(1,034,340)	0.3145%	4	13,012	1,047,352
October	Year 2020	(1,034,340)	0.3145%	3	9,759	1,044,099
November	Year 2020	(1,034,340)	0.3145%	2	6,506	1,040,846
December	Year 2020	(1,034,340)	0.3145%	1	3,253	1,037,593
					253,734	12,665,814
				Annual		
January through December	Year 2020	12,665,814	0.3145%	12	478,008	13,143,822
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Monthly		
January	Year 2022	(13,143,822)	0.3145%		41,337	(1,117,838)
February	Year 2022	(12,067,321)	0.3145%		37,952	(1,117,838)
March	Year 2022	(10,987,434)	0.3145%		34,555	(1,117,838)
April	Year 2022	(9,904,151)	0.3145%		31,149	(1,117,838)
May	Year 2022	(8,817,461)	0.3145%		27,731	(1,117,838)
June	Year 2022	(7,727,354)	0.3145%		24,303	(1,117,838)
July	Year 2022	(6,633,818)	0.3145%		20,863	(1,117,838)
August	Year 2022	(5,536,843)	0.3145%		17,413	(1,117,838)
September	Year 2022	(4,436,418)	0.3145%		13,953	(1,117,838)
October	Year 2022	(3,332,532)	0.3145%		10,481	(1,117,838)
November	Year 2022	(2,225,174)	0.3145%		6,998	(1,117,838)
December	Year 2022	(1,114,334)	0.3145%		3,505	(1,117,838)
					270,239	0
True-Up Adjustment with Interest						13,414,061
Less Over (Under) Recovery						(12,412,080)
Total Interest						1,001,981

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-d-up through August 31 of the following year.

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

Reconciliation Revenue Requirement For Year 2020 Available May 25, 2021 <hr/> \$42,298,747	-	2020 Forecasted Revenue Requirement For Year 2020 <hr/> \$44,552,919	=	True-up Adjustment - Over (Under) Recovery <hr/> \$2,254,172
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Interest Rate on Amount of Refunds or Surcharges (Note 1)	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.3145%				
An over or under collection will be recovered prorate over 2019, held for 2020 and returned prorate over 2021						
Calculation of Interest				Monthly		
January	Year 2020	187,848	0.3145%	12	(7,089)	(194,937)
February	Year 2020	187,848	0.3145%	11	(6,499)	(194,346)
March	Year 2020	187,848	0.3145%	10	(5,908)	(193,755)
April	Year 2020	187,848	0.3145%	9	(5,317)	(193,165)
May	Year 2020	187,848	0.3145%	8	(4,726)	(192,574)
June	Year 2020	187,848	0.3145%	7	(4,135)	(191,983)
July	Year 2020	187,848	0.3145%	6	(3,545)	(191,392)
August	Year 2020	187,848	0.3145%	5	(2,954)	(190,802)
September	Year 2020	187,848	0.3145%	4	(2,363)	(190,211)
October	Year 2020	187,848	0.3145%	3	(1,772)	(189,620)
November	Year 2020	187,848	0.3145%	2	(1,182)	(189,029)
December	Year 2020	187,848	0.3145%	1	(591)	(188,438)
					(46,081)	(2,300,253)
January through December				Annual		
	Year 2020	(2,300,253)	0.3145%	12	(86,812)	(2,387,064)
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Monthly		
January	Year 2022	2,387,064	0.3145%		(7,507)	203,012
February	Year 2022	2,191,560	0.3145%		(6,892)	203,012
March	Year 2022	1,995,440	0.3145%		(6,276)	203,012
April	Year 2022	1,798,704	0.3145%		(5,657)	203,012
May	Year 2022	1,601,349	0.3145%		(5,036)	203,012
June	Year 2022	1,403,373	0.3145%		(4,414)	203,012
July	Year 2022	1,204,775	0.3145%		(3,789)	203,012
August	Year 2022	1,005,552	0.3145%		(3,162)	203,012
September	Year 2022	805,703	0.3145%		(2,534)	203,012
October	Year 2022	605,225	0.3145%		(1,903)	203,012
November	Year 2022	404,116	0.3145%		(1,271)	203,012
December	Year 2022	202,375	0.3145%		(636)	203,012
					(49,078)	(0)
True-Up Adjustment with Interest					(2,436,143)	
Less Over (Under) Recovery					2,254,172	
Total Interest					(181,971)	

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

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

Reconciliation Revenue Requirement For Year 2020 Available May 25, 2021	-	2020 Forecasted Revenue Requirement For Year 2020	=	True-up Adjustment - Over (Under) Recovery
\$1,247,424		\$2,020,000		\$772,576

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				
An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021										
<u>Calculation of Interest</u>				<u>Monthly</u>						
January	Year 2020	64,381	0.3145%	12	(2,430)	(66,811)				
February	Year 2020	64,381	0.3145%	11	(2,227)	(66,609)				
March	Year 2020	64,381	0.3145%	10	(2,025)	(66,406)				
April	Year 2020	64,381	0.3145%	9	(1,822)	(66,204)				
May	Year 2020	64,381	0.3145%	8	(1,620)	(66,001)				
June	Year 2020	64,381	0.3145%	7	(1,417)	(65,799)				
July	Year 2020	64,381	0.3145%	6	(1,215)	(65,596)				
August	Year 2020	64,381	0.3145%	5	(1,012)	(65,394)				
September	Year 2020	64,381	0.3145%	4	(810)	(65,191)				
October	Year 2020	64,381	0.3145%	3	(607)	(64,989)				
November	Year 2020	64,381	0.3145%	2	(405)	(64,786)				
December	Year 2020	64,381	0.3145%	1	(202)	(64,584)				
					(15,793)	(788,369)				
January through December				Year 2020	(788,369)	0.3145%	12	Annual	(29,753)	(818,122)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				<u>Monthly</u>						
January	Year 2022	818,122	0.3145%		(2,573)	69,579	(751,116)			
February	Year 2022	751,116	0.3145%		(2,362)	69,579	(683,900)			
March	Year 2022	683,900	0.3145%		(2,151)	69,579	(616,472)			
April	Year 2022	616,472	0.3145%		(1,939)	69,579	(548,833)			
May	Year 2022	548,833	0.3145%		(1,726)	69,579	(480,980)			
June	Year 2022	480,980	0.3145%		(1,513)	69,579	(412,914)			
July	Year 2022	412,914	0.3145%		(1,299)	69,579	(344,634)			
August	Year 2022	344,634	0.3145%		(1,084)	69,579	(276,140)			
September	Year 2022	276,140	0.3145%		(868)	69,579	(207,430)			
October	Year 2022	207,430	0.3145%		(652)	69,579	(138,503)			
November	Year 2022	138,503	0.3145%		(436)	69,579	(69,360)			
December	Year 2022	69,360	0.3145%		(218)	69,579	0			
					(16,821)					
True-Up Adjustment with Interest						(834,943)				
Less Over (Under) Recovery						772,576				
Total Interest						(62,367)				

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.