

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

Twelve Months Ended 2023

Ohio Power Company

Line No.						Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 130)	Total	Allocator	1.00000	\$434,070,223
2	REVENUE CREDITS	(Worksheet E Ln 8) (Note A)	11,865,000	DA		\$ 11,865,000
3	Facility Credits under PJM OATT Section 30.9	(Worksheet E Ln 9) (Note X)				\$ 7,784,812
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)				\$ 429,990,035

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)	9,649,958	DA	1.00000	\$ 9,649,958
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)					
7	Annual Rate	((In 1 - In 95)/((In 42) x 100))				18.52%
8	Monthly Rate	(In 7 / 12)				1.54%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)					
10	Annual Rate	((In 1 - In 95 - In 100) /((In 42) x 100))				15.35%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)					
12	Annual Rate	((In 1 - In 95 - In 100 - In 125 - In 126) /((In 42) x 100))				8.37%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note B) (Worksheet J/K)					

REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES

15	Total Load Dispatch & Scheduling (Account 561)	Line 75 Below				700,000
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)					80,000
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)					-
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)				620,000

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(1)	(2)	(3)	(4)	(5)
	Data Sources (See "General Notes")	TO Total NOTE C	Allocator	Total Transmission
Line No.				
19	GROSS PLANT IN SERVICE			
19	Production	(Worksheet A In 14.(b))	NA	0.00000
20	Less: Production ARO (Enter Negative)	(Worksheet A In 14.(c))	NA	0.00000
21	Transmission	(Worksheet A In 14.(d) & TCOS Ln 134)	DA	3,260,929,308
22	Less: Transmission ARO (Enter Negative)	(Worksheet A In 14.(e))	TP	(3,000)
23	Distribution	(Worksheet A In 14.(f))	NA	0.00000
24	Less: Distribution ARO (Enter Negative)	(Worksheet A In 14.(g))	NA	0.00000
25	General Plant	(Worksheet A In 14.(h))	W/S	0.12769
26	Less: General Plant ARO (Enter Negative)	(Worksheet A In 14.(i))	W/S	0.12769
27	Intangible Plant	(Worksheet A In 14.(j))	W/S	0.12769
28	TOTAL GROSS PLANT	(sum lns 19 to 27)	GP	0.307057
		11,092,618,769	GTD=	0.32754
29	ACCUMULATED DEPRECIATION AND AMORTIZATION			
30	Production	(Worksheet A In 28.(b))	NA	0.00000
31	Less: Production ARO (Enter Negative)	(Worksheet A In 28.(c))	NA	0.00000
32	Transmission	(Worksheet A In 28.(d) & In 43.(c))	TP1=	1.00000
33	Less: Transmission ARO (Enter Negative)	(Worksheet A In 28.(e))	TP1=	1.00000
34	Distribution	(Worksheet A In 28.(f))	NA	0.00000
35	Less: Distribution ARO (Enter Negative)	(Worksheet A In 28.(g))	NA	0.00000
36	General Plant	(Worksheet A In 28.(h))	W/S	0.12769
37	Less: General Plant ARO (Enter Negative)	(Worksheet A In 28.(i))	W/S	0.12769
38	Intangible Plant	(Worksheet A In 28.(j))	W/S	0.12769
39	TOTAL ACCUMULATED DEPRECIATION	(sum lns 30 to 38)		
		3,120,978,308		969,241,387
40	NET PLANT IN SERVICE			
41	Production	(In 19 + In 20 - In 30 - In 31)		-
42	Transmission	(In 21 + In 22 - In 32 - In 33)		2,328,933,385
43	Distribution	(In 23 + In 24 - In 34 - In 35)		-
44	General Plant	(In 25 + In 26 - In 36 - In 37)		88,360,424
45	Intangible Plant	(In 27 - In 38)		19,536,277
46	TOTAL NET PLANT IN SERVICE	(sum lns 41 to 45)	NP	0.305687
		7,971,640,462		2,436,830,086
47	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)		
48	Account No. 281.1 (enter negative)	(Worksheet B, In 2 & In 5.E)	NA	-
49	Account No. 282.1 (enter negative)	(Worksheet B, In 7 & In 10.E)	DA	(494,438,000)
50	Account No. 283.1 (enter negative)	(Worksheet B, In 12 & In 15.E)	DA	(29,800,500)
51	Account No. 190.1	(Worksheet B, In 17 & In 20.E)	DA	16,189,500
52	Account No. 255 (enter negative)	(Worksheet B, In 24 & In 25.E)	DA	500
53	TOTAL ADJUSTMENTS	(sum lns 48 to 52)		(508,049,000)
54	PLANT HELD FOR FUTURE USE	(Worksheet A In 44.(e) & In 45.(e))	DA	3,000,000
55	REGULATORY ASSETS	(Worksheet A In 51.(e))	DA	-
56	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A In 54.(e))	W/S	0.12769
		(276,000)		(35,242)
57	WORKING CAPITAL	(Note E)		
58	Cash Working Capital	(1/8 * In 78)		6,754,375
59	Transmission Materials & Supplies	(Worksheet C, In 2.(F))	TP	1.00000
60	A&G Materials & Supplies	(Worksheet C, In 3.(F))	W/S	0.12769
61	Stores Expense	(Worksheet C, In 4.(F))	GP	0.30706
62	Prepayments (Account 165) - Labor Allocated	(Worksheet C, In 8.G)	W/S	0.12769
63	Prepayments (Account 165) - Gross Plant	(Worksheet C, In 8.F)	GP	0.30706
64	Prepayments (Account 165) - Transmission Only	(Worksheet C, In 8.E)	DA	1.00000
65	Prepayments (Account 165) - Unallocable	(Worksheet C, In 8.D)	NA	0.00000
66	TOTAL WORKING CAPITAL	(sum lns 58 to 65)		44,255,962
67	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, In 8.B)	DA	1.00000
		-		-
68	RATE BASE (sum lns 46, 53, 54, 55, 56, 66, 67)			
		6,429,325,093		1,976,001,805

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Line	(1) EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total	(4) Allocator	(5) Total Transmission
No.	OPERATION & MAINTENANCE EXPENSE				
69	Production	321.80.b	999,650,000		
70	Distribution	322.156.b	219,529,000		
71	Customer Related Expense	322 & 323.164,171,178.b	161,840,000		
72	Regional Marketing Expenses	322.131.b			
73	Transmission	321.112.b	750,590,000		
74	TOTAL O&M EXPENSES	(sum Ins 69 - to 73)	2,131,609,000		
75	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	700,000		
76	Less: Account 565	(Note H) 321.96.b	750,007,000		
77	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, In 4.C)	(54,152,000)		
78	Total O&M Allocable to Transmission	(Ins 73 - 75 - 76 - 77)	54,035,000	TP 1.00000	54,035,000
79	Administrative and General	323.197.b (Notes J and M)	72,729,000		
80	Less: Acct. 924, Property Insurance	323.185.b	2,598,000		
81	Acct. 9260039 PBOP Expense	PBOP Worksheet O Line 9 & 10, (Note K)	(13,441,000)		
82	Acct. 9260057 PBOP Medicare Subsidy	PBOP Worksheet O Line 11, (Note K)	-		
83	PBOP Expense Billed From AEPSC	PBOP Worksheet O Line 13, (Note K)	(4,292,000)		
84	Acct. 928, Reg. Com. Exp.	323.189.b	6,458,000		
85	Acct. 930.1, Gen. Advert. Exp.	323.191.b	405,000		
86	Acct. 930.2, Misc. Gen. Exp.	323.192.b	4,495,000		
87	Balance of A & G	(In 79 - sum In 80 - to In 86)	76,506,000	W/S 0.12769	9,768,944
88	Plus: Acct. 924, Property Insurance	(In 80)	2,598,000	GP 0.30706	797,735
89	Acct. 928 - Transmission Specific	Worksheet F In 20.(E) (Note L)	34,000	TP 1.00000	34,000
90	Acct 930.1 - Only safety related ads -Direct	Worksheet F In 37.(E) (Note L)		TP 1.00000	-
91	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F In 43.(E) (Note L)	418,000	DA 1.00000	418,000
92	Settlement Approved PBOP Recovery	PBOP Worksheet O, Col. C (Note M)	13,757,151	W/S 0.12769	1,756,631
93	A & G Subtotal	(sum Ins 87 - to 92)	93,313,151		12,775,311
94	O & M EXPENSE SUBTOTAL	(In 78 + In 93)	147,348,151		66,810,311
95	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		2,740,000	DA 1.00000	2,740,000
96	TOTAL O & M EXPENSE	(In 94 + In 95)	150,088,151		69,550,311
97	DEPRECIATION AND AMORTIZATION EXPENSE				
98	Production	336.2-6.f		NA 0.00000	-
99	Distribution	336.8.f	222,169,000	NA 0.00000	-
100	Transmission	336.7.f	73,725,000	TP1 1.00000	73,725,000
101	General	336.10.f	21,035,000	W/S 0.12769	2,685,930
102	Intangible	336.1.f	47,782,000	W/S 0.12769	6,101,217
103	TOTAL DEPRECIATION AND AMORTIZATION	(In 98+99+ 100+101+102)	364,711,000		82,512,146
104	TAXES OTHER THAN INCOME	(Note N)			
105	Labor Related				
106	Payroll	Worksheet H In 24.(D)	6,266,000	W/S 0.12769	800,097
107	Plant Related				
108	Property	Worksheet H In .(C)	371,979,000	DA	118,514,443
109	Gross Receipts/Sales & Use	Worksheet H In 24.(E)	158,360,000	NA 0.00000	-
110	Other	Worksheet H In 24.(E)	(1,000)	GP 0.30706	(307)
111	TOTAL OTHER TAXES	(sum Ins 106 to 110)	536,604,000		119,314,233
112	INCOME TAXES	(Note O)			
113	$T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =$		21.98%		
114	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		20.32%		
115	where WCLTD=(In 154) and WACC = (In 157)				
116	and FIT, SIT & p are as given in Note O.				
117	$GRCF=1 / (1 - T) =$ (from In 113)		1.2817		
118	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	(1,000)		
119	Excess Deferred Income Tax	(Note U)	(28,684,000)	DA	(7,701,000)
120	Tax Effect of Permanent and Flow-Through Differences	(Note U)	1,839,000	DA	890,000
121	Income Tax Calculation	(In 114 * In 126)	94,217,802		28,957,090
122	ITC adjustment	(In 117 * In 118)	(1,282)	GP 0.30706	(394)
123	Excess Deferred Income Tax	(In 117 * In 119)	(36,763,925)		(9,870,276)
124	Tax Effect of Permanent and Flow-Through Differences	(In 117 * In 120)	2,357,023		1,127,885
125	TOTAL INCOME TAXES	(sum Ins 121 to 124)	59,809,619		20,214,306
126	RETURN ON RATE BASE (Rate Base*WACC)	(In 68 * In 157)	463,585,239		142,479,227
127	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		-	DA 1.00000	-
128	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. ((F) & (H))		-		-
129	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 128 * In114)		-		-
130	TOTAL REVENUE REQUIREMENT		1,574,798,009		434,070,223
	(sum Ins 96, 103, 111, 125, 126, 127, 128, 129)				

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SUPPORTING CALCULATIONS

In	TRANSMISSION PLANT INCLUDED IN PJM TARIFF									
No.										
131	Total transmission plant	(In 21)							3,260,929,308	
132	Less transmission plant excluded from PJM Tariff (Worksheet A, In 42, Col. (d)) (Note P)								-	
133	Less transmission plant included in OATT Ancillary Services (Worksheet A, In 42, Col. (b)) (Note Q)								-	
134	Transmission plant included in PJM Tariff	(In 131 - In 132 - In 133)							3,260,929,308	
135	Percent of transmission plant in PJM Tariff	(In 134 / In 131)						TP=	1.00000	
136	WAGES & SALARY ALLOCATOR (W/S)	(Note R)	Direct Payroll	Payroll Billed from	Total					
137	Production	354.20.b	11,000	27,000	38,000	NA	0.00000		-	
138	Transmission	354.21.b	151,000	13,046,000	13,197,000	TP	1.00000		13,197,000	
139	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000		-	
140	Distribution	354.23.b	53,003,000	8,327,000	61,330,000	NA	0.00000		-	
141	Other (Excludes A&G)	354.24,25,26.b	13,582,000	15,206,000	28,788,000	NA	0.00000		-	
142	Total	(sum Ins 137 to 141)	66,747,000	36,606,000	103,353,000				13,197,000	
143	Transmission related amount							W/S=	0.12769	
144	WEIGHTED AVERAGE COST OF CAPITAL (WACC)								\$	
145	Long Term Interest	(Worksheet M, In. 37, col. (d))							132,026,000	
146	Preferred Dividends	(Worksheet M, In. 71)							-	
147	Development of Common Stock:									
148	Proprietary Capital	(Worksheet M, In. 14, col. (b))							3,309,600,000	
149	Less: Preferred Stock	(Worksheet M, In. 14, col. (c))							-	
150	Less: Account 216.1	(Worksheet M, In. 14, col. (d))							4,916,000	
151	Less: Account 219	(Worksheet M, In. 14, col. (e))							13,000	
152	Common Stock	(In 148 - In 149 - In 150 - In 151)							3,304,671,000	
153										
154	Long Term Debt (Note T) Worksheet M, In 28, col. (g), In 38, col. (d))									
155	Preferred Stock (In 149)									
156	Common Stock (In 152)									
157	Total (Sum Ins 154 to 156)									
158	Capital Structure Equity Limit (Note Z)	55%								

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Notes

General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line#Column.X

- A Revenue credits include:
1) Forfeited Discounts.
2) Miscellaneous Service Revenues.
3) Rental revenues earned on assets included in the rate base.
4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service.
5) Other electric revenues.
6) Revenues for grandfathered PTP contracts included in the load divisor.
7) If AEP East companies have any directly assigned transmission facilities, the revenue credits in the AEP East formula rate shall include all revenues associated with those directly assigned transmission facilities, irrespective of whether the loads of the customer are included in the formula rate divisor; provided however, such addition to revenue credits shall not be reflected if the costs of such directly assigned transmission facilities are not included in the transmission plant balances on which the formula rate ATRR is based.
See Worksheet E for details.
- B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's. Interest will be calculated based on Worksheet Q and any over under recovery will be filed and posted as part of the informational filing.
- C Transmission Plant Balances in this study are projected or actual average of 13-month balances.
- D The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flowthrough and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated.
In compliance with FERC Rulemaking the calculation of ADIT in the annual projection will be performed in accordance with IRS regulation Section 1.167(l)-(h)(6)(i).
RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B.
The company will not include the ADIT portion of deferred hedge gains and losses in rate base. Detailed balances for the projected or actual period, distinguished between utility and non-utility balances, will be filed and posted as part of the information filing.
- E Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission, as shown on line 78. It excludes:
1) Load Scheduling & Dispatch Charges in account 561 that are collected in the OATT Ancillary Services Revenue, as shown on line 75.
2) Costs of Transmission of Electricity by Others, as described in Note H.
3) The impact of state regulatory deferrals and amortizations, as shown on line 77
4) All A&G Expenses, as shown on line 93.
- F Consistent with Paragraph 657 of Order 2003-A, the amount on line 67 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 127.
- G Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 & 561.8 (lines 16 & 17 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances.
- H Removes cost of transmission service provided by others to determine the basis of cash working capital on line 78. To the extent such service is incurred to provide the PJM service at issue, e.g. lease payments to affiliates, such cost is added back on line 95 to determine the total O&M collected in the formula. The amounts on line 95 is also excluded in the calculation of the FCR percentage calculated on lines 6 through 12.
The addbacks on line 95 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity.
The company records referenced on line 95 is the Ohio Power Company general ledger.
- I Removes the impact of state regulatory deferrals or their amortization from Transmission O&M expense.
- J General Plant and Administrative & General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages & Salaries "W/S" allocator. The allocation basis for accounts 924, 928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
- K These deductions on lines 81 through 83 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.
- L Expenses recorded in FERC Accounts 928 (Regulatory Commission Expense), 930.1 (Safety Related Advertising) and 930.2 (Miscellaneous General Expenses) that are not directly related to or properly allocable to transmission service will be removed from the TCOS. If AEP includes any expenses booked to these accounts in future ATRR updates, AEP must provide supporting information demonstrating that the underlying activities are directly related to providing transmission service. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.
- M See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corporation. The calculation of the recoverable amount for each company is shown on Worksheet O.
- N Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales & use and taxes related to income are excluded.
- O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT.
A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
(ln 118) multiplied by (1/(1-T)). If the applicable tax rates are zero enter 0.
Inputs Required:
- | | |
|-------|---|
| FIT = | 21.00% |
| SIT= | 1.24% (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 145) / Long-Term Debt (ln 154). Preferred Stock cost rate = preferred dividends (ln 146) / preferred outstanding (ln 155).
Common Stock cost rate (ROE) = 10.35%, per the Settlement in FERC Docket No. EL17-13. It includes an additional 50 basis points for PJM RTO Membership.
The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the capital structure. Details and calculations of the weighted average cost of capital are shown on Worksheet M.
Eligible Hedging Gains and Losses are computed on Worksheet M. The unamortized balance of eligible hedge gains/losses and related ADIT amounts shall not flow through the formula rate.
- T The Long Term Debt balance for I&M includes the accumulated balance of principle and related interest for Spent Nuclear Fuel Disposal Costs collected prior to April 7, 1983.
This total balance of \$265,249,280 at 12/31/12 is not included in the balance in line 154 above.
The cost rates for long-term debt shall include interest expense and related periodic expenses (such as remarketing and letter of credit fees) as recorded in FERC Account 427 or 430, amortization of issuance costs (including insurance) and discounts as recorded in FERC Account 428, issuance premiums as recorded in FERC Account 429 and losses or gains on reacquired debt as recorded in FERC Accounts 428.1 or 429.1, respectively. The cost rates for preferred stock (if applicable) shall include the dividends.
- U Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax Effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period. Transmission balances for the projected or actual period, will be filed and posted as part of the informational filing.
Cash investment in prepaid pension and benefits recorded in FERC Account 165 is permitted to be included in the formula. A labor expense allocation factor will be used to allocate total company costs. All other prepayments recorded in FERC Account 165 are directly assigned to the transmission function, allocated or excludable balances detailed on Worksheet C.
- W The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.
- X Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.
- Y The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base.
- Z Per the settlement in EL17-13, equity is limited to 55% in of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure.

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet A Rate Base
Ohio Power Company

Line No		Month (a)	Gross Plant In Service								
			Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
			FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	FF1, page 205&204, Col.(g)&(b), Ins 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	Acct. 359.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	Acct. 399.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5
1	December Prior to Rate Year	(Note A)	-	-	3,189,093,000	3,000	6,511,959,000	2,992,000	805,455,000	610,000	261,547,000
2	January		-	-	3,193,390,000	3,000	6,539,859,000	2,992,000	811,733,000	610,000	267,919,000
3	February		-	-	3,197,997,000	3,000	6,566,848,000	2,992,000	817,332,000	610,000	274,382,000
4	March		-	-	3,204,446,000	3,000	6,595,136,000	2,992,000	822,348,000	610,000	277,386,000
5	April		-	-	3,221,085,000	3,000	6,629,272,000	2,992,000	827,732,000	610,000	284,028,000
6	May		-	-	3,234,743,000	3,000	6,661,492,000	2,992,000	833,086,000	610,000	290,673,000
7	June		-	-	3,246,019,000	3,000	6,692,653,000	2,992,000	838,958,000	610,000	291,202,000
8	July		-	-	3,260,240,000	3,000	6,722,597,000	2,992,000	844,488,000	610,000	297,789,000
9	August		-	-	3,275,208,000	3,000	6,757,695,000	2,992,000	849,640,000	610,000	304,350,000
10	September		-	-	3,301,081,000	3,000	6,791,266,000	2,992,000	854,547,000	610,000	300,128,000
11	October		-	-	3,310,343,000	3,000	6,824,430,000	2,992,000	859,432,000	610,000	306,693,000
12	November		-	-	3,364,364,000	3,000	6,863,658,000	2,992,000	913,704,000	610,000	313,386,000
13	December of Rate Year		-	-	3,394,072,000	3,000	6,916,777,000	2,992,000	923,941,000	610,000	313,307,000
14	Average of the 13 Monthly Balances		-	-	3,260,929,308	3,000	6,697,972,462	2,992,000	846,338,154	610,000	290,983,846

Line No		Month (a)	Accumulated Depreciation								
			Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
			FF1, page 219, Ins 20-24, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, In 26, Col. (b)	Company Records (Included in total in Column (f))	FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, In 21, Col. (b)
15	December Prior to Rate Year	(Note A)	-	-	927,216,000	3,000	1,847,161,000	2,992,000	145,839,000	348,000	122,912,000
16	January		-	-	927,947,000	3,000	1,855,933,000	2,992,000	146,930,000	350,000	126,758,000
17	February		-	-	928,683,000	3,000	1,864,693,000	2,992,000	148,115,000	352,000	130,711,000
18	March		-	-	929,455,000	3,000	1,873,466,000	2,992,000	149,315,000	354,000	131,054,000
19	April		-	-	930,211,000	3,000	1,882,109,000	2,992,000	150,810,000	356,000	135,168,000
20	May		-	-	930,998,000	3,000	1,890,893,000	2,992,000	152,320,000	358,000	139,394,000
21	June		-	-	931,811,000	3,000	1,899,785,000	2,992,000	153,845,000	360,000	137,630,000
22	July		-	-	932,646,000	3,000	1,908,684,000	2,992,000	155,385,000	362,000	141,981,000
23	August		-	-	933,507,000	3,000	1,917,693,000	2,992,000	156,939,000	364,000	146,442,000
24	September		-	-	934,420,000	3,000	1,926,813,000	2,992,000	158,508,000	366,000	140,247,000
25	October		-	-	935,360,000	3,000	1,936,034,000	2,992,000	160,089,000	368,000	144,758,000
26	November		-	-	936,317,000	3,000	1,945,364,000	2,992,000	161,683,000	370,000	149,379,000
27	December of Rate Year		-	-	937,376,000	3,000	1,954,805,000	2,992,000	163,377,000	372,000	147,364,000
28	Average of the 13 Monthly Balances		-	-	931,995,923	3,000	1,900,264,077	2,992,000	154,088,846	360,000	137,984,462

Line No	Month (a)	OATT Ancillary Services (GSU) Plant In Service (b)	OATT Ancillary Services (GSU) Accumulated Depreciation (c)	Excluded Plant - Plant In Service (d)	Excluded Plant - Accumulated Depreciation (e)
	(Note A)	Company Records (included in total in column (d) of gross plant above)	Company Records (included in total in column (b) of accumulated depreciation above)	Company Records	Company Records
29	December Prior to Rate Year				
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 Accum Depreciation net of GSU 931,995,923

Plant Held For Future Use

	(a)	Source of Data (b)	Balance @ December 31, 2023 (c)	Balance @ December 31, 2022 (d)	Average Balance for 2023 (e)
44	Plant Held For Future Use	FF1, page 214, In 47, Col. (d)	5,000,000	5,000,000	5,000,000
45	Transmission Plant Held For Future Use (Included in total on line 44)	Company Records - Note 1	3,000,000	3,000,000	3,000,000

Regulatory Assets and Liabilities Approved for Recovery in Ratebase

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

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

Unfunded Reserves Summary (Company Records)

	Description	Account			
52					
53a	Accum Prv I/D Worker's Com	2280003	77,000	77,000	77,000
53b	Accm Prv I/D - Asbestos - Curr	2282011	22,000	22,000	22,000
53c	Accm Prv I/D - Asbestos	2282012	177,000	177,000	177,000
54	Total		276,000	276,000	276,000

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

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

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet B Supporting ADIT and ITC Balances
Ohio Power Company

Line Number	(A) Description	(B) Source	(C) Balance @ December 31, 2023	(D) Balance @ December 31, 2022	(E) Average Balance for 2023
1	<u>Account 281</u>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, ln 8, Col. (k)	-	-	-
3	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 4 (Note 1)	-	-	-
4	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 3 (Note 1)	-	-	-
5	Transmission Related Deferrals	Ln 2 - ln 3 - ln 4	-	-	-
6	<u>Account 282</u>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, ln 5, Col. (k)	1,523,100,000	1,462,103,000	1,492,601,500
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	449,000	449,000	449,000
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	1,023,509,000	971,920,000	997,714,500
10	Transmission Related Deferrals	Ln 7 - ln 8 - ln 9	499,142,000	489,734,000	494,438,000
11	<u>Account 283</u>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, ln 9, Col. (k)	155,637,000	151,636,000	153,636,500
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)	125,635,000	122,037,000	123,836,000
15	Transmission Related Deferrals	Ln 12 - ln 13 - ln 14	30,002,000	29,599,000	29,800,500
16	<u>Account 190</u>				
17	Year End Utility Deferrals	FF1, p. 234, ln 8, Col. (c)	80,424,000	81,105,000	80,764,500
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	397,000	397,000	397,000
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	63,907,000	64,449,000	64,178,000
20	Transmission Related Deferrals	Ln 17 - ln 18 - ln 19	16,120,000	16,260,000	16,189,500
21	<u>Account 255</u>				
22	Year End ITC Balances	FF1, p. 266-267, ln 8, Col. (h)	(1,000)	-	(500)
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable Ratebase	Ln 22 - ln 23	(1,000)	-	(500)
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section 1.167(l)-(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksheets B-1 and B-2.

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

COLUMN A		COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS	NON-APPLICABLE/NON-UTILITY			AVERAGE ELECTRIC UTILITY (B+C+D+E)/2	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2022			FUNCTIONALIZATION 12/31/2023		
ACCUMULATED DEFERRED FIT ITEMS		BALANCE AS OF 12-31-21	BALANCE AS OF 12-31-2023	BALANCE AS OF 12-31-2022	BALANCE AS OF 12-31-2023		GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1.00	ACCOUNT 281:	2.01				0	0	0	0						
2.02		0	0			0	0	0	0						
2.03				0	0	0									
2.04		0	0	0	0	0									
2.05		0	0	0	0	0									
2.06		0	0	0	0	0									
3	TOTAL ACCOUNT 281	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ACCOUNT 281 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	ACCOUNT 282:														
5.01		0	0			0	0	0	0						
5.02		0	0			0	0	0	0						
5.03		0	0			0	0	0	0						
5.04		0	0			0	0	0	0						
5.05		0	0			0	0	0	0						
5.06		0	0			0	0	0	0						
5.07		0	0	0	0	0	0	0	0						
5.08		0	0	0	0	0	0	0	0						
5.09		0	0			0	0	0	0						
5.10		0	0			0	0	0	0						
5.36		0	0			0	0	0	0						
5.39					0	0									
5.40					0	0									
5.41					0	0									
6	TOTAL ACCOUNT 282	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	ACCOUNT 282 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	ACCOUNT 283:														
9.01		0	0			0	0	0	0						
9.02		0	0			0	0	0	0						
9.03		0	0			0	0	0	0						
9.04		0	0			0	0	0	0						
9.05		0	0			0	0	0	0						
9.06		0	0			0	0	0	0						
9.07		0	0			0	0	0	0						
9.08		0	0			0	0	0	0						
9.94				0	0	0	0	0	0						
9.95				0	0	0									
9.96				0	0	0									
9.97				0	0	0									
9.98				0	0	0									
9.99				0	0	0									
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	DEFD STATE INCOME TAXES	0	0			0	0	0	0						
11.01				0	0	0									
12	TOTAL ACCOUNT 283	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	ACCOUNT 283 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	JURISDICTIONAL AMOUNTS FUNCTIONALIZED														
15	TOTAL COMPANY AMOUNTS FUNCTIONALIZED														
16	REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANT														
17	NOTE: POST 1970 ACCUMULATED DEFERRED INV TAX CRED. (JDTTC) IN AC 255														
18.01		0	0			0	0	0	0						
18.02		0	0			0	0	0	0						
19															
20	TOTAL ACCOUNT 255	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3 TOTAL ACCOUNT 190

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

OHIO POWER COMPANY, INC.

Worksheet B-3

Excess/ Deficient ADIT Worksheet for Total Company and Functional Balances

For Year Ended December 31, 2023

Debit/(Credit)

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

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

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

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

NOTE C: The amounts of the remeasurement shown here are as of the effective date of the change in tax rates and will be reported on the second line.

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

NOTE E: In the event of future tax rate changes, additional lines will be inserted in both the Total Company and Transmission functional summary that may be necessary to track that tax rate change.

NOTE F: The amount of excess amortization entries shown in lines 1a through 1j and 4a through 4h are shown as a debit and 6 is the offset recorded to the 410/411 account and will tie to the total company and transmission functional summary service.

F	G	H	I	J
			1/1/2022 Beginning Balances	
Excess Balance at Remeasurement (NOTE C)	Amortization Methodology (NOTE D)	Amortization Period	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals
(344,594,481) ARAM (150,814,921) 10 Years	Life of Asset 1/2018 - 12/2027			
(31,309,465) 10 Years	1/2018 - 12/2027			
			0	-

(123,296,457) ARAM (36,241,536) 10 Years	Life of Asset 1/2018 - 12/2027		
(5,504,494) 10 Years	1/2018 - 12/2027		
		0	-

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

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

of ADIT accounts provided for each specific change in tax rates.
remain static on this workpaper.

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

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

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

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

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

				-
				-

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

NOTE F

					Sum of Co
					-
					-
					-
					-

				-
				-

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

NOTE F

Q
Ending Balance

R

Excess ADIT in Utility
Deferrals

Reference

ols (I) - (O) -

	WS B - 2 Col B/C, ADIT item 3.12
-	
-	WS B - 1 Cols M+N+O , ADIT Item 5.37
-	
	WS B - 1 Col C/D, ADIT Item 5.40
-	WS B - 1 Col C, ADIT Item 9.90
	WS B - 1 Col B/C, ADIT Item 9.93

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

-

ols (I) - (O)

	Company Records
-	WS B - 1 Col N, ADIT 5.367
-	
	Company Records
-	WS B - 1 Col N, item 9.90
	Company Records

Company Records
Company Records

-

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet C Supporting Working Capital Rate Base Adjustments
Ohio Power Company

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number	Source	Balance @ December 31, 2023	Balance @ December 31, 2022	Average Balance for 2023				
1								
2	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c) & (b)	1,018,000	1,018,000	1,018,000			
3	General Materials & Supplies	FF1, p. 227, In 11, Col. (c) & (b)	142,000	142,000	142,000			
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, 2023	10,519,256	(270,165,213)	0	7,128,496	273,555,974
7	Totals as of December 31, 2022	10,519,256	(259,931,213)		7,128,496	283,321,974
8	Average Balance	10,519,256	(265,048,213)	-	7,128,496	268,438,974

Prepayments Account 165 - Balance @ 12/31/2023

9	Acc. No.	Description	2023 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	2,941,510	-	-	2,941,510	-	2,941,510	Plant Related Insurance Policies
11	1650003	Prepaid Rents	0	-	-	-	-	-	-
12	1650004	Prepaid Interest	0	-	-	-	-	-	-
13	1650005	Prepaid Employee Benefits	0	-	-	-	-	-	-
14	1650006	Other Prepayments	1,022,818	-	-	1,022,818	-	1,022,818	Transmission
15	1650009	Prepaid Carry Cost-Factored AR	397,359	397,359	-	-	-	-	AR Factoring - Retail Only
16	1650010	Prepaid Pension Benefits	184,245,780	-	-	-	184,245,780	184,245,780	Prepaid Pension Expense
17	165001221	Prepaid Use Taxes	159,507	159,507	-	-	-	-	Prepaid Taxes-Distribution
18	1650013	Gavin JMG ST Prepaid Exp - Aff	0	-	-	-	-	-	-
19	1650014	FAS 158 Qual Contra Asset	(184,245,780)	(184,245,780)	-	-	-	-	FAS 158 Liability
20	1650016	FAS 112 ASSETS	0	-	-	-	-	-	-
21	1650017	Prepayments - Coal	0	-	-	-	-	-	-
22	1650019	Prepaid Pension Expense - CG&E	0	-	-	-	-	-	-
23	1650020	Prepaid Pension Expense - DP&L	0	-	-	-	-	-	-
24	1650021	Prepaid Insurance - EIS	3,164,168	-	-	3,164,168	-	3,164,168	Energy EIS Services
25	1650023	Prepaid Lease	673,836	673,836	-	-	-	-	-
26	1650030	Other Prepayments-Long Term	2,160,058	2,160,058	-	-	-	-	Other - Distribution
27	1650035	PRW Without Med-D Benefits	89,310,194	-	-	-	89,310,194	89,310,194	Prepaid Pension Expense
28	1650036	PRW for Med-D Benefits	0	-	-	-	-	-	-
29	1650037	FAS158 Contra-PRW Exc Med-D	(89,310,194)	(89,310,194)	-	-	-	-	FAS 158 Liability
30		Subtotal - Form 1, p 111.57.c	10,519,256	(270,165,213)	0	7,128,496	273,555,974	280,684,469	

Prepayments Account 165 - Balance @ 12/31/ 2022

31	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
32	1650001	Prepaid Insurance	2,941,510	-	-	2,941,510	-	2,941,510	Plant Related Insurance Policies
33	1650003	Prepaid Rents	0	-	-	-	-	-	-
34	1650004	Prepaid Interest	0	-	-	-	-	-	-
35	1650005	Prepaid Employee Benefits	0	-	-	-	-	-	-
36	1650006	Other Prepayments	1,022,818	-	-	1,022,818	-	1,022,818	Transmission
37	1650009	Prepaid Carry Cost-Factored AR	397,359	397,359	-	-	-	-	AR Factoring - Retail Only
38	1650010	Prepaid Pension Benefits	174,011,780	-	-	-	174,011,780	174,011,780	Prepaid Pension Expense
39	165001221	Prepaid Use Taxes	159,507	159,507	-	-	-	-	Prepaid Taxes-Distribution
40	1650013	Gavin JMG ST Prepaid Exp - Aff	0	-	-	-	-	-	-
41	1650014	FAS 158 Qual Contra Asset	(174,011,780)	(174,011,780)	-	-	-	-	FAS 158 Liability
42	1650016	FAS 112 ASSETS	0	-	-	-	-	-	-
43	1650017	Prepayments - Coal	0	-	-	-	-	-	-
44	1650019	Prepaid Pension Expense - CG&E	0	-	-	-	-	-	-
45	1650020	Prepaid Pension Expense - DP&L	0	-	-	-	-	-	-
46	1650021	Prepaid Insurance - EIS	3,164,168	-	-	3,164,168	-	3,164,168	Energy EIS Services
47	1650023	Prepaid Lease	673,836	673,836	-	-	-	-	-
48	1650030	Other Prepayments-Long Term	2,160,058	2,160,058	-	-	-	-	Other - Distribution
49	1650035	PRW Without Med-D Benefits	89,310,194	-	-	-	89,310,194	89,310,194	Prepaid Pension Expense
50	1650036	PRW for Med-D Benefits	0	-	-	-	-	-	-
51	1650037	FAS158 Contra-PRW Exc Med-D	(89,310,194)	(89,310,194)	-	-	-	-	FAS 158 Liability
52		Subtotal - Form 1, p 111.57.d	10,519,256	(259,931,213)		7,128,496	263,321,974	270,450,469	

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

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet D Supporting IPP Credits
Ohio Power Company

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2023</u>
1	Net Funds from IPP Customers 12/31/2022 (2023 FORM 1, P269)	0
2	Interest Accrual (Company Records - Note 1)	0
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 12/31/2023 (2023 FORM 1, P269)	-
8	Average Balance for Year as Indicated in Column B ((ln 1 + ln 7)/2)	-
Note 1	On this worksheet Company Records refers to Ohio Power Company's general ledger.	

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet E Supporting Revenue Credits
Ohio Power Company

<u>Line Number</u>	<u>Description</u>	<u>Total Company</u>	<u>Non- Transmission</u>	<u>Transmission</u>
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)	5,206,000	5,206,000	-
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)	1,716,000	1,693,000	23,000
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	41,156,000	30,060,000	11,096,000
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)	5,409,000	4,801,000	608,000
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	139,309,000	139,171,000	138,000
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))	192,796,000	180,931,000	11,865,000
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	192,796,000	180,931,000	11,865,000

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

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

9 Facility Credits under PJM OATT Section 30.9 7,784,812

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

<u>Line</u> <u>Number</u>	<u>(A)</u> <u>Item No.</u>	<u>(B)</u> <u>Description</u>	<u>(C)</u> <u>2023</u> <u>Expense</u>	<u>(D)</u> <u>100%</u> <u>Non-Transmission</u>	<u>(E)</u> <u>100%</u> <u>Transmission</u> <u>Specific</u>	<u>(F)</u> <u>Explanation</u>
<u>Regulatory O&M Deferrals & Amortizations</u>						
1	5660005	Ohio Transmn Rider Under/Recovery	(54,152,000)			
2						
3						
4		Total	(54,152,000)			
<u>Detail of Account 561 Per FERC Form 1</u>						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	0			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	256,000			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling	0			
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	80,000			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	364,000			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	0			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	0			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	0			
14		Total of Account 561	700,000			
<u>Account 928</u>						
15	9280000	Regulatory Commission Exp	4,771,000	4,771,000	-	
16	9280001	Regulatory Commission Exp-Adm	343,000	343,000	-	
17	9280002	Regulatory Commission Exp-Case	1,310,000	1,310,000	-	
18	9280005	Reg Com Exp-FERC Trans Cases	34,000	-	34,000	
19						
20		Total (FERC Form 1 p.323.189.b)	6,458,000	6,424,000	34,000	
<u>Account 930.1</u>						
21	9301000	General Advertising Expenses	7,000	7,000	-	
22	9301001	Newspaper Advertising Space	-	-	-	
23	9301007	Special Adv Space & Prod Exp	274,000	274,000	-	
24	9301010	Publicity	-	-	-	
25	9301012	Public Opinion Surveys	95,000	95,000	-	
26	9301014	Video Communications	-	-	-	
27	9301015	Other Corporate Comm Exp	29,000	29,000	-	
28						
29						
30						
31						
32						
33						
34						
35						
36						
37		Total (FERC Form 1 p.323.191.b)	405,000	405,000	-	
<u>Account 930.2</u>						
38	9302000	Misc General Expenses	1,103,000	1,103,000	-	
39	9302003	Corporate & Fiscal Expenses	326,000	326,000	-	
40	9302004	Research, Develop&Demonstr Exp	3,000	3,000	-	
41	9302006	Assoc Business Development Materials Sold	-	-	-	
42	9302007	Assoc Business Development Exp	3,063,000	2,645,000	418,000	
43		Total (FERC Form 1 p.323.192.b)	4,495,000	4,077,000	418,000	

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet G Supporting - Development of Composite State Income Tax Rate
Ohio Power Company

West Virginia Corporate Income Tax	6.5000%	
Apportionment Factor - Note 2	0.2645%	
Effective State Tax Rate		0.02%
Illinois Corporation Income Tax	9.5000%	
Apportionment Factor - Note 2	0.4427%	
Effective State Tax Rate		0.04%
Michigan Business Income Tax	6.0000%	
Apportionment Factor - Note 2	0.0210%	
Effective State Tax Rate		0.00%
Kentucky Business Income Tax	5.0000%	
Apportionment Factor - Note 2	0.1154%	
Effective State Tax Rate		0.01%
Ohio Municipal Net Income Tax	1.9865%	
Apportionment Factor - Note 2	58.9663%	
Effective State Tax Rate		1.17%
Ohio Franchise Tax Rate	0.0000%	
Phase-out Factor Note 1	0.0000%	
Apportionment Factor - Note 2	0.0000%	
Effective State Tax Rate		0.00%
Total Effective State Income Tax Rate		1.2378%

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

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet H Supporting Taxes Other than Income
Ohio Power Company

Line No.	(A) Account	(B) Total Company NOTE 1	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	Revenue Taxes					
2	Gross Receipts Tax	7,056,000				7,056,000
3	Real Estate and Personal Property Taxes					
4	Real and Personal Property - Ohio	370,986,000	370,986,000			
5	Real and Personal Property - Other Jurisdictions	993,000	993,000			
6	Real and Personal Property - Tennessee	-	-			
7	Real and Personal Property - Other Jurisdictions	-	-			
8	Payroll Taxes					
9	Federal Insurance Contribution (FICA)	6,076,000		6,076,000		
10	Federal Unemployment Tax	42,000		42,000		
11	State Unemployment Insurance	148,000		148,000		
12	Production Taxes					
13	State Severance Taxes	-				-
14	Miscellaneous Taxes					
15	State Business & Occupation Tax	-				-
16	State Public Service Commission Fees	-			-	
17	State Franchise Taxes	(1,000)			(1,000)	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	(1,000)				(1,000)
21	Federal Excise Tax	151,305,000				151,305,000
22	Michigan Single Business Tax	-				-
23						
24	Total Taxes by Allocable Basis	536,604,000	371,979,000	6,266,000	(1,000)	158,360,000

(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

		Functional Property Tax Allocation				
		Production	Transmission	Distribution	General	Total
25	Functionalized Net Plant (TCOS, Lns 41 thru 46)	-	2,328,933,385	4,797,708,385	691,999,308	7,818,641,077
OHIO JURISDICTION						
26	Percentage of Plant in OHIO JURISDICTION	0.00%	96.33%	100.00%	99.24%	
27	Net Plant in OHIO JURISDICTION (Ln 25 * Ln 26)	-	2,243,547,881	4,797,549,563	686,753,891	7,727,851,335
28	Less: Net Value of Exempted Generation Plant	-				
29	Taxable Property Basis (Ln 27 - Ln 28)	-	2,243,547,881	4,797,549,563	686,753,891	7,727,851,335
30	Relative Valuation Factor	24.00%	85.00%	85.00%	24.00%	
31	Weighted Net Plant (Ln 29 * Ln 30)	-	1,907,015,699	4,077,917,129	164,820,934	
32	General Plant Allocator (Ln 31 / (Total - General Plant))	0.00%	31.86%	68.14%	-100.00%	
33	Functionalized General Plant (Ln 32 * General Plant)	-	52,517,901	112,303,033	(164,820,934)	
34	Weighted OHIO JURISDICTION Plant (Ln 31 + 33)	-	1,959,533,600	4,190,220,162	(0)	6,149,753,761
35	Functional Percentage (Ln 34/Total Ln 34)	0.00%	31.86%	68.14%		
WEST VA JURISDICTION						
36	Net Plant in WEST VA JURISDICTION (Ln 25 - Ln 27)	-	85,385,503	158,821	5,245,417	90,789,742
37	Less: Net Value of Exempted Generation Plant	-				
38	Taxable Property Basis (Ln 36 - Ln 37)	-	85,385,503	158,821	5,245,417	90,789,742
39	Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
40	Weighted Net Plant (Ln 38 * Ln 39)	-	85,385,503	158,821	5,245,417	
41	General Plant Allocator (Ln 40 / (Total - General Plant))	0.00%	99.81%	0.19%	-100.00%	
42	Functionalized General Plant (Ln 41 * General Plant)	-	5,235,678	9,739	(5,245,417)	-
43	Weighted WEST VA JURISDICTION Plant (Ln 40 + 42)	-	90,621,182	168,560	(0)	90,789,742
44	Functional Percentage (Ln 43/Total Ln 43)	0.00%	99.81%	0.19%		

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

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

Revenue Taxes

2 Gross Receipts Tax

7,056,000

7,056,000

Line No.	(A) Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)	(B) Tax Year	(C) Total Company	(D) FERC FORM 1 Tie-Back	(E) FERC FORM 1 Reference	(F) Tax Year Factor (Note 2)	(G) Transmission Function (Note 2)
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Real Estate and Personal Property Taxes Total
(Ln 4 + Ln 5 + Ln 6 + Ln 7)

371,979,000

118,514,443

4 Real and Personal Property - Ohio

370,986,000

370,986,000

31.86%

118,209,535

118,209,535

-

-

-

5 Real and Personal Property - W VA

993,000

993,000

30.71%

304,908

304,908

-

-

-

-

-

-

-

6 Real and Personal Property - Other

-

-

-

-

-

-

-

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
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Payroll Taxes

9 Federal Insurance Contribution (FICA)

6,076,000

6,076,000

10 Federal Unemployment Tax

42,000

42,000

11 State Unemployment Insurance

148,000

148,000

Production Taxes

13 State Severance Taxes

-

-

Miscellaneous Taxes

15 State Business & Occupation Tax

-

-

16 State Public Service Commission Fees

-

-

17 State Franchise Taxes

(1,000)

(1,000)

18 State Lic/Registration Fee

-

-

19 Misc. State and Local Tax

-

-

20 Sales & Use

(1,000)

(1,000)

21 Federal Excise Tax

151,305,000

151,305,000

22 Michigan Single Business Tax

-

-

23 Total Taxes by Allocable Basis
(Total Company Amount Ties to FF1 p.114, Ln 14.(c))

536,604,000 536,604,000

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

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

AEP East Companies
Cost of Service Formula Rate Using 2023 FF1 Balances
Worksheet I RESERVED FOR FUTURE USE
Ohio Power Company

AEP East Companies
Cost of Service Formula Rate Using 2023 FF1 Balances
Worksheet J Supporting Calculation of PROJECTED PJM RTEP Project Revenue Requirement Billed to Benefiting Zones
Ohio Power Company

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

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

ROE w/o incentives (TCOS, ln 156)			10.35%
Project ROE Incentive Adder			
ROE with additional basis point incentive			10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 154 through 156)			
	%	Cost	Weighted cost
Long Term Debt	49.74%	4.04%	2.008%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	50.26%	10.35%	5.202%
		R =	7.210%

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

Rate Base (TCOS, ln 68)	1,976,001,805
R (from A. above)	7.210%
Return (Rate Base x R)	142,479,227

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

Return (from B. above)	142,479,227
Effective Tax Rate (TCOS, ln 114)	20.32%
Income Tax Calculation (Return x CIT)	28,957,090
ITC Adjustment	(394)
Excess Deferred Income Tax	(9,870,276)
Tax Affect of Permanent Differences	1,127,885
Income Taxes	20,214,306

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS			
	Rev Require	W Incentives	Incentive Amounts
PROJECTED YEAR	2023	9,649,958	9,649,958 \$ -

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

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

Annual Revenue Requirement (TCOS, ln 1)	434,070,223
Lease Payments (TCOS, ln 95)	2,740,000
Return (TCOS, ln 126)	142,479,227
Income Taxes (TCOS, ln 125)	20,214,306
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	268,636,690

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

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	268,636,690
Return (from I.B. above)	142,479,227
Income Taxes (from I.C. above)	20,214,306
Annual Revenue Requirement, with Basis Point ROE increase	431,330,223
Depreciation (TCOS, ln 100)	73,725,000
Annual Rev. Req, w/ Basis Point ROE increase, less Depreciation	357,605,223

C. Determine FCR with hypothetical basis point ROE increase.

Net Transmission Plant (TCOS, ln 42)	3,260,929,308
Annual Revenue Requirement, with Basis Point ROE increase	431,330,223
FCR with Basis Point increase in ROE	18.52%
Annual Rev. Req, w / Basis Point ROE increase, less Dep.	357,605,223
FCR with Basis Point ROE increase, less Depreciation	15.35%
FCR less Depreciation (TCOS, ln 10)	15.35%
Incremental FCR with Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2023 (TCOS, ln 21)	3,260,929,308
Annual Depreciation and Amortization Expense (TCOS, ln 100)	73,725,000
Composite Depreciation Rate	2.26%
Depreciable Life for Composite Depreciation Rate	44.23
Round to nearest whole year	44

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

Page 1 of 22

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b504 (765 kV circuit breaker installations at Hanging Rock)

Current Projected Year ARR	703,481
Current Projected Year ARR w/ Incentive	703,481
Current Projected Year Incentive ARR	-

Details						
Investment	5,559,037	Current Year	2023	-		
Service Year (yyyy)	2009	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	3	FCR w/o incentives, less depreciation	15.35%			
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%			
CIAC (Yes or No)	No	Annual Depreciation Expense	126,342			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2009	5,559,037	94,756	5,464,281	941,066	#####	\$ -
2010	5,464,281	126,342	5,337,939	955,676	955,676	\$ -
2011	5,337,939	126,342	5,211,597	936,277	936,277	\$ -
2012	5,211,597	126,342	5,085,256	916,877	916,877	\$ -
2013	5,085,256	126,342	4,958,914	897,477	897,477	\$ -
2014	4,958,914	126,342	4,832,572	878,078	878,078	\$ -
2015	4,832,572	126,342	4,706,230	858,678	858,678	\$ -
2016	4,706,230	126,342	4,579,888	839,279	839,279	\$ -
2017	4,579,888	126,342	4,453,547	819,879	819,879	\$ -
2018	4,453,547	126,342	4,327,205	800,479	800,479	\$ -
2019	4,327,205	126,342	4,200,863	781,080	781,080	\$ -
2020	4,200,863	126,342	4,074,521	761,680	761,680	\$ -
2021	4,074,521	126,342	3,948,180	742,280	742,280	\$ -
2022	3,948,180	126,342	3,821,838	722,881	722,881	\$ -
2023	3,821,838	126,342	3,695,496	703,481	703,481	\$ -
2024	3,695,496	126,342	3,569,154	684,081	684,081	\$ -
2025	3,569,154	126,342	3,442,813	664,682	664,682	\$ -
2026	3,442,813	126,342	3,316,471	645,282	645,282	\$ -
2027	3,316,471	126,342	3,190,129	625,882	625,882	\$ -
2028	3,190,129	126,342	3,063,787	606,483	606,483	\$ -
2029	3,063,787	126,342	2,937,446	587,083	587,083	\$ -
2030	2,937,446	126,342	2,811,104	567,684	567,684	\$ -
2031	2,811,104	126,342	2,684,762	548,284	548,284	\$ -
2032	2,684,762	126,342	2,558,420	528,884	528,884	\$ -
2033	2,558,420	126,342	2,432,079	509,485	509,485	\$ -
2034	2,432,079	126,342	2,305,737	490,085	490,085	\$ -
2035	2,305,737	126,342	2,179,395	470,685	470,685	\$ -
2036	2,179,395	126,342	2,053,053	451,286	451,286	\$ -
2037	2,053,053	126,342	1,926,712	431,886	431,886	\$ -
2038	1,926,712	126,342	1,800,370	412,486	412,486	\$ -
2039	1,800,370	126,342	1,674,028	393,087	393,087	\$ -
2040	1,674,028	126,342	1,547,686	373,687	373,687	\$ -
2041	1,547,686	126,342	1,421,345	354,288	354,288	\$ -
2042	1,421,345	126,342	1,295,003	334,888	334,888	\$ -
2043	1,295,003	126,342	1,168,661	315,488	315,488	\$ -
2044	1,168,661	126,342	1,042,319	296,089	296,089	\$ -
2045	1,042,319	126,342	915,978	276,689	276,689	\$ -
2046	915,978	126,342	789,636	257,289	257,289	\$ -
2047	789,636	126,342	663,294	237,890	237,890	\$ -
2048	663,294	126,342	536,952	218,490	218,490	\$ -
2049	536,952	126,342	410,611	199,090	199,090	\$ -
2050	410,611	126,342	284,269	179,691	179,691	\$ -
2051	284,269	126,342	157,927	160,291	160,291	\$ -
2052	157,927	126,342	31,585	140,891	140,891	\$ -
2053	31,585	31,585	-	34,010	34,010	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
Project Totals				24,551,285	24,551,285	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
\$ 894,796	\$ 894,796		
\$ 1,094,271	\$ 1,094,271		
\$ 1,210,680	\$ 1,210,680		
\$ 1,057,666	\$ 1,057,666		
\$ 1,051,933	\$ 1,051,933		
\$ 1,050,369	\$ 1,050,369		
\$ 1,028,335	\$ 1,028,335		
\$ 989,594	\$ 989,594		
\$ 996,311	\$ 996,311		
\$ 790,538	\$ 790,538		
\$ 766,759	\$ 766,759		
\$ 736,885	\$ 736,885		
\$ 701,370	\$ 701,370		
\$ 686,013	\$ 686,013		

** 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.

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

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

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b0570 (Reconductor EAST LIMA-STERLING 138 KV LINE)

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.				
RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
\$ 219,263		\$ 219,263		
\$ 203,042		\$ 203,042		
\$ 228,159		\$ 228,159		
\$ 81,330		\$ 81,330		
\$ 222,274		\$ 222,274		
\$ 147,062		\$ 147,062		
\$ 142,952		\$ 142,952		
\$ 137,674		\$ 137,674		
\$ 172,566		\$ 172,566		
\$ 169,246		\$ 169,246		

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

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

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

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

Current Projected Year ARR	814,959
Current Projected Year ARR w/ Incentive	814,959
Current Projected Year Incentive ARR	-

Details			
Investment	5,705,686	Current Year	2023
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	15.35%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%
CIAC (Yes or No)	No	Annual Depreciation Expense	129,675

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req'd. w/o Incentives	RTEP Rev. Req'd. with Incentives **	Incentive Rev. Requirement ##
2013	5,705,686	10,806	5,694,880	886,079	#####	\$ -
2014	5,694,880	129,675	5,565,205	994,162	\$	-
2015	5,565,205	129,675	5,435,530	974,250	\$	-
2016	5,435,530	129,675	5,305,856	954,339	\$	-
2017	5,305,856	129,675	5,176,181	934,427	\$	-
2018	5,176,181	129,675	5,046,506	914,516	\$	-
2019	5,046,506	129,675	4,916,832	894,605	\$	-
2020	4,916,832	129,675	4,787,157	874,693	\$	-
2021	4,787,157	129,675	4,657,482	854,782	\$	-
2022	4,657,482	129,675	4,527,808	834,870	\$	-
2023	4,527,808	129,675	4,398,133	814,959	\$	-
2024	4,398,133	129,675	4,268,458	795,048	\$	-
2025	4,268,458	129,675	4,138,784	775,136	\$	-
2026	4,138,784	129,675	4,009,109	755,225	\$	-
2027	4,009,109	129,675	3,879,434	735,313	\$	-
2028	3,879,434	129,675	3,749,760	715,402	\$	-
2029	3,749,760	129,675	3,620,085	695,491	\$	-
2030	3,620,085	129,675	3,490,410	675,579	\$	-
2031	3,490,410	129,675	3,360,736	655,668	\$	-
2032	3,360,736	129,675	3,231,061	635,756	\$	-
2033	3,231,061	129,675	3,101,386	615,845	\$	-
2034	3,101,386	129,675	2,971,711	595,933	\$	-
2035	2,971,711	129,675	2,842,037	576,022	\$	-
2036	2,842,037	129,675	2,712,362	556,111	\$	-
2037	2,712,362	129,675	2,582,687	536,199	\$	-
2038	2,582,687	129,675	2,453,013	516,288	\$	-
2039	2,453,013	129,675	2,323,338	496,376	\$	-
2040	2,323,338	129,675	2,193,663	476,465	\$	-
2041	2,193,663	129,675	2,063,989	456,554	\$	-
2042	2,063,989	129,675	1,934,314	436,642	\$	-
2043	1,934,314	129,675	1,804,639	416,731	\$	-
2044	1,804,639	129,675	1,674,965	396,819	\$	-
2045	1,674,965	129,675	1,545,290	376,908	\$	-
2046	1,545,290	129,675	1,415,615	356,997	\$	-
2047	1,415,615	129,675	1,285,941	337,085	\$	-
2048	1,285,941	129,675	1,156,266	317,174	\$	-
2049	1,156,266	129,675	1,026,591	297,262	\$	-
2050	1,026,591	129,675	896,917	277,351	\$	-
2051	896,917	129,675	767,242	257,440	\$	-
2052	767,242	129,675	637,567	237,528	\$	-
2053	637,567	129,675	507,893	217,617	\$	-
2054	507,893	129,675	378,218	197,705	\$	-
2055	378,218	129,675	248,543	177,794	\$	-
2056	248,543	129,675	118,868	157,883	\$	-
2057	118,868	118,868	-	127,995	\$	-
2058	-	-	-	-	\$	-
2059	-	-	-	-	\$	-
2060	-	-	-	-	\$	-
2061	-	-	-	-	\$	-
2062	-	-	-	-	\$	-
2063	-	-	-	-	\$	-
2064	-	-	-	-	\$	-
2065	-	-	-	-	\$	-
2066	-	-	-	-	\$	-
2067	-	-	-	-	\$	-
2068	-	-	-	-	\$	-
2069	-	-	-	-	\$	-
2070	-	-	-	-	\$	-
2071	-	-	-	-	\$	-
2072	-	-	-	-	\$	-
Project Totals				25,783,023	25,783,023	-

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

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

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

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

RTEP Projected Rev. Req't From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't From Prior Year Template with Incentives **			
\$ 528,784		\$ 528,784			
\$ 1,017,894		\$ 1,017,894			
\$ 953,651		\$ 953,651			
\$ 919,468		\$ 919,468			
\$ 929,340		\$ 929,340			
\$ 902,942		\$ 902,942			
\$ 877,873		\$ 877,873			
\$ 845,618		\$ 845,618			
\$ 806,620		\$ 806,620			
\$ 791,287		\$ 791,287			

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1034.6 (138kV circuit breakers at South Canton Station)

Current Projected Year ARR	298,978
Current Projected Year ARR w/ Incentive	298,978
Current Projected Year Incentive ARR	-

Details						
Investment	2,088,951	Current Year				2023
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	12	FCR w/o incentives, less depreciation				15.35%
Useful life	44	FCR w/incentives approved for these facilities, less dep.				15.35%
CIAC (Yes or No)	No	Annual Depreciation Expense				47,476
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	2,088,951	-	2,088,951	320,756	#####	\$ -
2014	2,088,951	47,476	2,041,475	364,587	364,587	\$ -
2015	2,041,475	47,476	1,993,999	357,297	357,297	\$ -
2016	1,993,999	47,476	1,946,522	350,008	350,008	\$ -
2017	1,946,522	47,476	1,899,046	342,718	342,718	\$ -
2018	1,899,046	47,476	1,851,570	335,428	335,428	\$ -
2019	1,851,570	47,476	1,804,094	328,138	328,138	\$ -
2020	1,804,094	47,476	1,756,618	320,848	320,848	\$ -
2021	1,756,618	47,476	1,709,142	313,558	313,558	\$ -
2022	1,709,142	47,476	1,661,666	306,268	306,268	\$ -
2023	1,661,666	47,476	1,614,189	298,978	298,978	\$ -
2024	1,614,189	47,476	1,566,713	291,688	291,688	\$ -
2025	1,566,713	47,476	1,519,237	284,398	284,398	\$ -
2026	1,519,237	47,476	1,471,761	277,108	277,108	\$ -
2027	1,471,761	47,476	1,424,285	269,819	269,819	\$ -
2028	1,424,285	47,476	1,376,809	262,529	262,529	\$ -
2029	1,376,809	47,476	1,329,332	255,239	255,239	\$ -
2030	1,329,332	47,476	1,281,856	247,949	247,949	\$ -
2031	1,281,856	47,476	1,234,380	240,659	240,659	\$ -
2032	1,234,380	47,476	1,186,904	233,369	233,369	\$ -
2033	1,186,904	47,476	1,139,428	226,079	226,079	\$ -
2034	1,139,428	47,476	1,091,952	218,789	218,789	\$ -
2035	1,091,952	47,476	1,044,475	211,499	211,499	\$ -
2036	1,044,475	47,476	996,999	204,209	204,209	\$ -
2037	996,999	47,476	949,523	196,919	196,919	\$ -
2038	949,523	47,476	902,047	189,629	189,629	\$ -
2039	902,047	47,476	854,571	182,340	182,340	\$ -
2040	854,571	47,476	807,095	175,050	175,050	\$ -
2041	807,095	47,476	759,619	167,760	167,760	\$ -
2042	759,619	47,476	712,142	160,470	160,470	\$ -
2043	712,142	47,476	664,666	153,180	153,180	\$ -
2044	664,666	47,476	617,190	145,890	145,890	\$ -
2045	617,190	47,476	569,714	138,600	138,600	\$ -
2046	569,714	47,476	522,238	131,310	131,310	\$ -
2047	522,238	47,476	474,762	124,020	124,020	\$ -
2048	474,762	47,476	427,285	116,730	116,730	\$ -
2049	427,285	47,476	379,809	109,440	109,440	\$ -
2050	379,809	47,476	332,333	102,151	102,151	\$ -
2051	332,333	47,476	284,857	94,861	94,861	\$ -
2052	284,857	47,476	237,381	87,571	87,571	\$ -
2053	237,381	47,476	189,905	80,281	80,281	\$ -
2054	189,905	47,476	142,428	72,991	72,991	\$ -
2055	142,428	47,476	94,952	65,701	65,701	\$ -
2056	94,952	47,476	47,476	58,411	58,411	\$ -
2057	47,476	47,476	0	51,121	51,121	\$ -
2058	0	0	-	0	0	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -

Project Totals 9,466,343 9,466,343 -

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 424,916	\$ 424,916			
\$ 372,954	\$ 372,954			
\$ 375,622	\$ 375,622			
\$ 363,235	\$ 363,235			
\$ 367,158	\$ 367,158			
\$ 331,181	\$ 331,181			
\$ 321,999	\$ 321,999			
\$ 310,179	\$ 310,179			
\$ 295,885	\$ 295,885			
\$ 290,274	\$ 290,274			

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

Page 7 of 22

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	571,314
Current Projected Year ARR w/ Incentive	571,314
Current Projected Year Incentive ARR	-

Details						
Investment	4,008,040	Current Year				2023
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	10	FCR w/o incentives, less depreciation				15.35%
Useful life	44	FCR w/incentives approved for these facilities, less dep.				15.35%
CIAC (Yes or No)	No	Annual Depreciation Expense				91.092%
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	4,008,040	15,182	3,992,858	629,447	#####	\$ -
2014	3,992,858	91,092	3,901,766	697,197	#####	\$ -
2015	3,901,766	91,092	3,810,674	683,210	#####	\$ -
2016	3,810,674	91,092	3,719,582	669,223	#####	\$ -
2017	3,719,582	91,092	3,628,491	655,236	#####	\$ -
2018	3,628,491	91,092	3,537,399	641,249	#####	\$ -
2019	3,537,399	91,092	3,446,307	627,262	#####	\$ -
2020	3,446,307	91,092	3,355,215	613,275	#####	\$ -
2021	3,355,215	91,092	3,264,123	599,288	#####	\$ -
2022	3,264,123	91,092	3,173,031	585,301	#####	\$ -
2023	3,173,031	91,092	3,081,940	571,314	#####	\$ -
2024	3,081,940	91,092	2,990,848	557,327	#####	\$ -
2025	2,990,848	91,092	2,899,756	543,340	#####	\$ -
2026	2,899,756	91,092	2,808,664	529,353	#####	\$ -
2027	2,808,664	91,092	2,717,572	515,366	#####	\$ -
2028	2,717,572	91,092	2,626,481	501,379	#####	\$ -
2029	2,626,481	91,092	2,535,389	487,392	#####	\$ -
2030	2,535,389	91,092	2,444,297	473,405	#####	\$ -
2031	2,444,297	91,092	2,353,205	459,417	#####	\$ -
2032	2,353,205	91,092	2,262,113	445,430	#####	\$ -
2033	2,262,113	91,092	2,171,022	431,443	#####	\$ -
2034	2,171,022	91,092	2,079,930	417,456	#####	\$ -
2035	2,079,930	91,092	1,988,838	403,469	#####	\$ -
2036	1,988,838	91,092	1,897,746	389,482	#####	\$ -
2037	1,897,746	91,092	1,806,654	375,495	#####	\$ -
2038	1,806,654	91,092	1,715,562	361,508	#####	\$ -
2039	1,715,562	91,092	1,624,471	347,521	#####	\$ -
2040	1,624,471	91,092	1,533,379	333,534	#####	\$ -
2041	1,533,379	91,092	1,442,287	319,547	#####	\$ -
2042	1,442,287	91,092	1,351,195	305,560	#####	\$ -
2043	1,351,195	91,092	1,260,103	291,573	#####	\$ -
2044	1,260,103	91,092	1,169,012	277,586	#####	\$ -
2045	1,169,012	91,092	1,077,920	263,599	#####	\$ -
2046	1,077,920	91,092	986,828	249,612	#####	\$ -
2047	986,828	91,092	895,736	235,625	#####	\$ -
2048	895,736	91,092	804,644	221,638	#####	\$ -
2049	804,644	91,092	713,553	207,651	#####	\$ -
2050	713,553	91,092	622,461	193,664	#####	\$ -
2051	622,461	91,092	531,369	179,676	#####	\$ -
2052	531,369	91,092	440,277	165,689	#####	\$ -
2053	440,277	91,092	349,185	151,702	#####	\$ -
2054	349,185	91,092	258,093	137,715	#####	\$ -
2055	258,093	91,092	167,002	123,728	#####	\$ -
2056	167,002	91,092	75,910	109,741	#####	\$ -
2057	75,910	75,910	-	81,738	#####	\$ -
2058	-	-	-	-	#####	\$ -
2059	-	-	-	-	#####	\$ -
2060	-	-	-	-	#####	\$ -
2061	-	-	-	-	#####	\$ -
2062	-	-	-	-	#####	\$ -
2063	-	-	-	-	#####	\$ -
2064	-	-	-	-	#####	\$ -
2065	-	-	-	-	#####	\$ -
2066	-	-	-	-	#####	\$ -
2067	-	-	-	-	#####	\$ -
2068	-	-	-	-	#####	\$ -
2069	-	-	-	-	#####	\$ -
2070	-	-	-	-	#####	\$ -
2071	-	-	-	-	#####	\$ -
2072	-	-	-	-	#####	\$ -

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 0	\$ 0			
\$ 7,389,592	\$ 7,389,592			
\$ 583,939	\$ 583,939			
\$ 662,503	\$ 662,503			
\$ 750,034	\$ 750,034			
\$ 633,061	\$ 633,061			
\$ 682,446	\$ 682,446			
\$ 597,311	\$ 597,311			
\$ 565,534	\$ 565,534			
\$ 554,757	\$ 554,757			

** 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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	16,558
Current Projected Year ARR w/ Incentive	16,558
Current Projected Year Incentive ARR	-

Details						
Investment	118,332	Current Year			2023	-
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	1	FCR w/o incentives, less depreciation			15.35%	-
Useful life	44	FCR w/incentives approved for these facilities, less dep.			15.35%	-
CIAC (Yes or No)	No	Annual Depreciation Expense			2,689	-
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	118,332	2,465	115,867	20,446	#####	-
2014	115,867	2,689	113,178	20,274	20,274	\$ -
2015	113,178	2,689	110,488	19,861	19,861	\$ -
2016	110,488	2,689	107,799	19,448	19,448	\$ -
2017	107,799	2,689	105,110	19,035	19,035	\$ -
2018	105,110	2,689	102,420	18,622	18,622	\$ -
2019	102,420	2,689	99,731	18,209	18,209	\$ -
2020	99,731	2,689	97,041	17,796	17,796	\$ -
2021	97,041	2,689	94,352	17,384	17,384	\$ -
2022	94,352	2,689	91,663	16,971	16,971	\$ -
2023	91,663	2,689	88,973	16,558	16,558	\$ -
2024	88,973	2,689	86,284	16,145	16,145	\$ -
2025	86,284	2,689	83,595	15,732	15,732	\$ -
2026	83,595	2,689	80,905	15,319	15,319	\$ -
2027	80,905	2,689	78,216	14,906	14,906	\$ -
2028	78,216	2,689	75,527	14,493	14,493	\$ -
2029	75,527	2,689	72,837	14,080	14,080	\$ -
2030	72,837	2,689	70,148	13,667	13,667	\$ -
2031	70,148	2,689	67,458	13,254	13,254	\$ -
2032	67,458	2,689	64,769	12,841	12,841	\$ -
2033	64,769	2,689	62,080	12,428	12,428	\$ -
2034	62,080	2,689	59,390	12,015	12,015	\$ -
2035	59,390	2,689	56,701	11,602	11,602	\$ -
2036	56,701	2,689	54,012	11,189	11,189	\$ -
2037	54,012	2,689	51,322	10,776	10,776	\$ -
2038	51,322	2,689	48,633	10,363	10,363	\$ -
2039	48,633	2,689	45,943	9,950	9,950	\$ -
2040	45,943	2,689	43,254	9,537	9,537	\$ -
2041	43,254	2,689	40,565	9,125	9,125	\$ -
2042	40,565	2,689	37,875	8,712	8,712	\$ -
2043	37,875	2,689	35,186	8,299	8,299	\$ -
2044	35,186	2,689	32,497	7,886	7,886	\$ -
2045	32,497	2,689	29,807	7,473	7,473	\$ -
2046	29,807	2,689	27,118	7,060	7,060	\$ -
2047	27,118	2,689	24,428	6,647	6,647	\$ -
2048	24,428	2,689	21,739	6,234	6,234	\$ -
2049	21,739	2,689	19,050	5,821	5,821	\$ -
2050	19,050	2,689	16,360	5,408	5,408	\$ -
2051	16,360	2,689	13,671	4,995	4,995	\$ -
2052	13,671	2,689	10,982	4,582	4,582	\$ -
2053	10,982	2,689	8,292	4,169	4,169	\$ -
2054	8,292	2,689	5,603	3,756	3,756	\$ -
2055	5,603	2,689	2,913	3,343	3,343	\$ -
2056	2,913	2,689	224	2,930	2,930	\$ -
2057	224	224	-	241	241	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
Project Totals				519,582	519,582	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ -	\$ -			
\$ 25,862	\$ 25,862			
\$ 17,942	\$ 17,942			
\$ 22,706	\$ 22,706			
\$ 22,935	\$ 22,935			
\$ 18,387	\$ 18,387			
\$ 17,870	\$ 17,870			
\$ 17,207	\$ 17,207			
\$ 16,407	\$ 16,407			
\$ 16,088	\$ 16,088			

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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1034.7 (Replace all obsolete 138kV circuit breakers at the Torrey and Wagenhals stations)

Current Projected Year ARR	636,435
Current Projected Year ARR w/ Incentive	636,435
Current Projected Year Incentive ARR	-

Details						
Investment	4,474,020	Current Year	2023			
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	9	FCR w/o incentives, less depreciation	15.35%			
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%			
CIAC (Yes or No)	No	Annual Depreciation Expense	101,682			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	4,474,020	25,421	4,448,600	710,450	#####	\$ -
2014	4,448,600	101,682	4,346,917	776,953	776,953	\$ -
2015	4,346,917	101,682	4,245,235	761,340	761,340	\$ -
2016	4,245,235	101,682	4,143,553	745,727	745,727	\$ -
2017	4,143,553	101,682	4,041,870	730,114	730,114	\$ -
2018	4,041,870	101,682	3,940,188	714,501	714,501	\$ -
2019	3,940,188	101,682	3,838,506	698,887	698,887	\$ -
2020	3,838,506	101,682	3,736,824	683,274	683,274	\$ -
2021	3,736,824	101,682	3,635,141	667,661	667,661	\$ -
2022	3,635,141	101,682	3,533,459	652,048	652,048	\$ -
2023	3,533,459	101,682	3,431,777	636,435	636,435	\$ -
2024	3,431,777	101,682	3,330,095	620,821	620,821	\$ -
2025	3,330,095	101,682	3,228,412	605,208	605,208	\$ -
2026	3,228,412	101,682	3,126,730	589,595	589,595	\$ -
2027	3,126,730	101,682	3,025,048	573,982	573,982	\$ -
2028	3,025,048	101,682	2,923,365	558,369	558,369	\$ -
2029	2,923,365	101,682	2,821,683	542,755	542,755	\$ -
2030	2,821,683	101,682	2,720,001	527,142	527,142	\$ -
2031	2,720,001	101,682	2,618,319	511,529	511,529	\$ -
2032	2,618,319	101,682	2,516,636	495,916	495,916	\$ -
2033	2,516,636	101,682	2,414,954	480,302	480,302	\$ -
2034	2,414,954	101,682	2,313,272	464,689	464,689	\$ -
2035	2,313,272	101,682	2,211,590	449,076	449,076	\$ -
2036	2,211,590	101,682	2,109,907	433,463	433,463	\$ -
2037	2,109,907	101,682	2,008,225	417,850	417,850	\$ -
2038	2,008,225	101,682	1,906,543	402,236	402,236	\$ -
2039	1,906,543	101,682	1,804,860	386,623	386,623	\$ -
2040	1,804,860	101,682	1,703,178	371,010	371,010	\$ -
2041	1,703,178	101,682	1,601,496	355,397	355,397	\$ -
2042	1,601,496	101,682	1,499,814	339,784	339,784	\$ -
2043	1,499,814	101,682	1,398,131	324,170	324,170	\$ -
2044	1,398,131	101,682	1,296,449	308,557	308,557	\$ -
2045	1,296,449	101,682	1,194,767	292,944	292,944	\$ -
2046	1,194,767	101,682	1,093,084	277,331	277,331	\$ -
2047	1,093,084	101,682	991,402	261,718	261,718	\$ -
2048	991,402	101,682	889,720	246,104	246,104	\$ -
2049	889,720	101,682	788,038	230,491	230,491	\$ -
2050	788,038	101,682	686,355	214,878	214,878	\$ -
2051	686,355	101,682	584,673	199,265	199,265	\$ -
2052	584,673	101,682	482,991	183,652	183,652	\$ -
2053	482,991	101,682	381,309	168,038	168,038	\$ -
2054	381,309	101,682	279,626	152,425	152,425	\$ -
2055	279,626	101,682	177,944	136,812	136,812	\$ -
2056	177,944	101,682	76,262	121,199	121,199	\$ -
2057	76,262	76,262	-	82,117	82,117	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
Project Totals				20,102,838	20,102,838	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
\$ 0	\$ 0		
\$ 95,797	\$ 95,797		
\$ 660,744	\$ 660,744		
\$ 821,901	\$ 821,901		
\$ 828,442	\$ 828,442		
\$ 852,807	\$ 852,807		
\$ 885,825	\$ 885,825		
\$ 660,577	\$ 660,577		
\$ 630,069	\$ 630,069		
\$ 618,034	\$ 618,034		

** 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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: 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				2023
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	12	FCR w/o incentives, less depreciation				15.35%
Useful life	44	FCR w/incentives approved for these facilities, less dep.				15.35%
CIAC (Yes or No)	No	Annual Depreciation Expense				-
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2014	-	-	-	-	-	\$ -
2015	-	-	-	-	-	\$ -
2016	-	-	-	-	-	\$ -
2017	-	-	-	-	-	\$ -
2018	-	-	-	-	-	\$ -
2019	-	-	-	-	-	\$ -
2020	-	-	-	-	-	\$ -
2021	-	-	-	-	-	\$ -
2022	-	-	-	-	-	\$ -
2023	-	-	-	-	-	\$ -
2024	-	-	-	-	-	\$ -
2025	-	-	-	-	-	\$ -
2026	-	-	-	-	-	\$ -
2027	-	-	-	-	-	\$ -
2028	-	-	-	-	-	\$ -
2029	-	-	-	-	-	\$ -
2030	-	-	-	-	-	\$ -
2031	-	-	-	-	-	\$ -
2032	-	-	-	-	-	\$ -
2033	-	-	-	-	-	\$ -
2034	-	-	-	-	-	\$ -
2035	-	-	-	-	-	\$ -
2036	-	-	-	-	-	\$ -
2037	-	-	-	-	-	\$ -
2038	-	-	-	-	-	\$ -
2039	-	-	-	-	-	\$ -
2040	-	-	-	-	-	\$ -
2041	-	-	-	-	-	\$ -
2042	-	-	-	-	-	\$ -
2043	-	-	-	-	-	\$ -
2044	-	-	-	-	-	\$ -
2045	-	-	-	-	-	\$ -
2046	-	-	-	-	-	\$ -
2047	-	-	-	-	-	\$ -
2048	-	-	-	-	-	\$ -
2049	-	-	-	-	-	\$ -
2050	-	-	-	-	-	\$ -
2051	-	-	-	-	-	\$ -
2052	-	-	-	-	-	\$ -
2053	-	-	-	-	-	\$ -
2054	-	-	-	-	-	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
Project Totals						

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 99,055	\$ 99,055			
\$ 178,664	\$ 178,664			
\$ 174,005	\$ 174,005			
\$ 176,014	\$ 174,014			
\$ 137,768	\$ 137,768			
\$ -	\$ -			

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	1,055,373
Current Projected Year ARR w/ Incentive	1,055,373
Current Projected Year Incentive ARR	-

Details						
Investment	7,169,898	Current Year	2023	-		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	2	FCR w/o incentives, less depreciation	15.35%			
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%			
CIAC (Yes or No)	No	Annual Depreciation Expense	162,952			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	7,169,898	135,794	7,034,104	1,226,298	1,226,298	-
2016	7,034,104	162,952	6,871,152	1,230,521	1,230,521	-
2017	6,871,152	162,952	6,708,200	1,205,500	1,205,500	-
2018	6,708,200	162,952	6,545,248	1,180,479	1,180,479	-
2019	6,545,248	162,952	6,382,296	1,155,457	1,155,457	-
2020	6,382,296	162,952	6,219,343	1,130,436	1,130,436	-
2021	6,219,343	162,952	6,056,391	1,105,415	1,105,415	-
2022	6,056,391	162,952	5,893,439	1,080,394	1,080,394	-
2023	5,893,439	162,952	5,730,486	1,055,373	1,055,373	-
2024	5,730,486	162,952	5,567,534	1,030,352	1,030,352	-
2025	5,567,534	162,952	5,404,582	1,005,331	1,005,331	-
2026	5,404,582	162,952	5,241,630	980,309	980,309	-
2027	5,241,630	162,952	5,078,678	955,288	955,288	-
2028	5,078,678	162,952	4,915,725	930,267	930,267	-
2029	4,915,725	162,952	4,752,773	905,246	905,246	-
2030	4,752,773	162,952	4,589,821	880,225	880,225	-
2031	4,589,821	162,952	4,426,869	855,204	855,204	-
2032	4,426,869	162,952	4,263,916	830,183	830,183	-
2033	4,263,916	162,952	4,100,964	805,161	805,161	-
2034	4,100,964	162,952	3,938,012	780,140	780,140	-
2035	3,938,012	162,952	3,775,060	755,119	755,119	-
2036	3,775,060	162,952	3,612,108	730,098	730,098	-
2037	3,612,108	162,952	3,449,155	705,077	705,077	-
2038	3,449,155	162,952	3,286,203	680,056	680,056	-
2039	3,286,203	162,952	3,123,251	655,035	655,035	-
2040	3,123,251	162,952	2,960,299	630,013	630,013	-
2041	2,960,299	162,952	2,797,346	604,992	604,992	-
2042	2,797,346	162,952	2,634,394	579,971	579,971	-
2043	2,634,394	162,952	2,471,442	554,950	554,950	-
2044	2,471,442	162,952	2,308,490	529,929	529,929	-
2045	2,308,490	162,952	2,145,538	504,908	504,908	-
2046	2,145,538	162,952	1,982,585	479,887	479,887	-
2047	1,982,585	162,952	1,819,633	454,866	454,866	-
2048	1,819,633	162,952	1,656,681	429,844	429,844	-
2049	1,656,681	162,952	1,493,729	404,823	404,823	-
2050	1,493,729	162,952	1,330,776	379,802	379,802	-
2051	1,330,776	162,952	1,167,824	354,781	354,781	-
2052	1,167,824	162,952	1,004,872	329,760	329,760	-
2053	1,004,872	162,952	841,920	304,739	304,739	-
2054	841,920	162,952	678,968	279,718	279,718	-
2055	678,968	162,952	516,015	254,696	254,696	-
2056	516,015	162,952	353,063	229,675	229,675	-
2057	353,063	162,952	190,111	204,654	204,654	-
2058	190,111	162,952	27,159	179,633	179,633	-
2059	27,159	27,159	-	29,244	29,244	-
2060	-	-	-	-	-	-
2061	-	-	-	-	-	-
2062	-	-	-	-	-	-
2063	-	-	-	-	-	-
2064	-	-	-	-	-	-
2065	-	-	-	-	-	-
2066	-	-	-	-	-	-
2067	-	-	-	-	-	-
2068	-	-	-	-	-	-
2069	-	-	-	-	-	-
2070	-	-	-	-	-	-
2071	-	-	-	-	-	-
2072	-	-	-	-	-	-
2073	-	-	-	-	-	-
2074	-	-	-	-	-	-
Project Totals				31,573,849	31,573,849	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 250,071	\$ 250,071			
\$ 77,068	\$ 77,068			
\$ 123,326	\$ 123,326			
\$ 1,165,473	\$ 1,165,473			
\$ 1,133,749	\$ 1,133,749			
\$ 1,092,679	\$ 1,092,679			
\$ 1,042,817	\$ 1,042,817			
\$ 1,023,693	\$ 1,023,693			

** 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.

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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	459,184
Current Projected Year ARR w/ Incentive	459,184
Current Projected Year Incentive ARR	-

Details						
Investment	3,059,126	Current Year	2023	-		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)		-		
Service Month (1-12)	12	FCR w/o incentives, less depreciation		15.35%		
Useful life	44	FCR w/incentives approved for these facilities, less dep.		15.35%		
CIAC (Yes or No)	No	Annual Depreciation Expense		69,526		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	3,059,126	-	3,059,126	469,725	#####	\$ -
2016	3,059,126	69,526	2,989,600	533,913	\$ 533,913	\$ -
2017	2,989,600	69,526	2,920,074	523,238	\$ 523,238	\$ -
2018	2,920,074	69,526	2,850,549	512,562	\$ 512,562	\$ -
2019	2,850,549	69,526	2,781,023	501,887	\$ 501,887	\$ -
2020	2,781,023	69,526	2,711,498	491,211	\$ 491,211	\$ -
2021	2,711,498	69,526	2,641,972	480,535	\$ 480,535	\$ -
2022	2,641,972	69,526	2,572,447	469,860	\$ 469,860	\$ -
2023	2,572,447	69,526	2,502,921	459,184	\$ 459,184	\$ -
2024	2,502,921	69,526	2,433,395	448,509	\$ 448,509	\$ -
2025	2,433,395	69,526	2,363,870	437,833	\$ 437,833	\$ -
2026	2,363,870	69,526	2,294,344	427,157	\$ 427,157	\$ -
2027	2,294,344	69,526	2,224,819	416,482	\$ 416,482	\$ -
2028	2,224,819	69,526	2,155,293	405,806	\$ 405,806	\$ -
2029	2,155,293	69,526	2,085,767	395,131	\$ 395,131	\$ -
2030	2,085,767	69,526	2,016,242	384,455	\$ 384,455	\$ -
2031	2,016,242	69,526	1,946,716	373,780	\$ 373,780	\$ -
2032	1,946,716	69,526	1,877,191	363,104	\$ 363,104	\$ -
2033	1,877,191	69,526	1,807,665	352,428	\$ 352,428	\$ -
2034	1,807,665	69,526	1,738,140	341,753	\$ 341,753	\$ -
2035	1,738,140	69,526	1,668,614	331,077	\$ 331,077	\$ -
2036	1,668,614	69,526	1,599,088	320,402	\$ 320,402	\$ -
2037	1,599,088	69,526	1,529,563	309,726	\$ 309,726	\$ -
2038	1,529,563	69,526	1,460,037	299,051	\$ 299,051	\$ -
2039	1,460,037	69,526	1,390,512	288,375	\$ 288,375	\$ -
2040	1,390,512	69,526	1,320,986	277,699	\$ 277,699	\$ -
2041	1,320,986	69,526	1,251,460	267,024	\$ 267,024	\$ -
2042	1,251,460	69,526	1,181,935	256,348	\$ 256,348	\$ -
2043	1,181,935	69,526	1,112,409	245,673	\$ 245,673	\$ -
2044	1,112,409	69,526	1,042,884	234,997	\$ 234,997	\$ -
2045	1,042,884	69,526	973,358	224,321	\$ 224,321	\$ -
2046	973,358	69,526	903,833	213,646	\$ 213,646	\$ -
2047	903,833	69,526	834,307	202,970	\$ 202,970	\$ -
2048	834,307	69,526	764,781	192,295	\$ 192,295	\$ -
2049	764,781	69,526	695,256	181,619	\$ 181,619	\$ -
2050	695,256	69,526	625,730	170,944	\$ 170,944	\$ -
2051	625,730	69,526	556,205	160,268	\$ 160,268	\$ -
2052	556,205	69,526	486,679	149,592	\$ 149,592	\$ -
2053	486,679	69,526	417,153	138,917	\$ 138,917	\$ -
2054	417,153	69,526	347,628	128,241	\$ 128,241	\$ -
2055	347,628	69,526	278,102	117,566	\$ 117,566	\$ -
2056	278,102	69,526	208,577	106,890	\$ 106,890	\$ -
2057	208,577	69,526	139,051	96,215	\$ 96,215	\$ -
2058	139,051	69,526	69,526	85,539	\$ 85,539	\$ -
2059	69,526	69,526	0	74,863	\$ 74,863	\$ -
2060	0	0	-	0	\$ 0	\$ -
2061	-	-	-	-	\$ -	\$ -
2062	-	-	-	-	\$ -	\$ -
2063	-	-	-	-	\$ -	\$ -
2064	-	-	-	-	\$ -	\$ -
2065	-	-	-	-	\$ -	\$ -
2066	-	-	-	-	\$ -	\$ -
2067	-	-	-	-	\$ -	\$ -
2068	-	-	-	-	\$ -	\$ -
2069	-	-	-	-	\$ -	\$ -
2070	-	-	-	-	\$ -	\$ -
2071	-	-	-	-	\$ -	\$ -
2072	-	-	-	-	\$ -	\$ -
2073	-	-	-	-	\$ -	\$ -
2074	-	-	-	-	\$ -	\$ -
Project Totals				13,862,811	13,862,811	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 559,098	\$ 559,098			
\$ 620,362	\$ 620,362			
\$ 646,844	\$ 646,844			
\$ 506,029	\$ 506,029			
\$ 492,430	\$ 492,430			
\$ 474,754	\$ 474,754			
\$ 453,236	\$ 453,236			
\$ 445,118	\$ 445,118			

** 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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	325,601
Current Projected Year ARR w/ Incentive	325,601
Current Projected Year Incentive ARR	-

Details						
Investment	2,169,182	Current Year			2023	-
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	12	FCR w/o incentives, less depreciation				15.35%
Useful life	44	FCR w/incentives approved for these facilities, less dep.				15.35%
CIAC (Yes or No)	No	Annual Depreciation Expense				49,300
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	2,169,182	-	2,169,182	333,076	#####	\$ -
2016	2,169,182	49,300	2,119,882	378,590	\$ -	\$ -
2017	2,119,882	49,300	2,070,583	371,020	\$ -	\$ -
2018	2,070,583	49,300	2,021,283	363,450	\$ -	\$ -
2019	2,021,283	49,300	1,971,984	355,881	\$ -	\$ -
2020	1,971,984	49,300	1,922,684	348,311	\$ -	\$ -
2021	1,922,684	49,300	1,873,384	340,741	\$ -	\$ -
2022	1,873,384	49,300	1,824,085	333,171	\$ -	\$ -
2023	1,824,085	49,300	1,774,785	325,601	\$ -	\$ -
2024	1,774,785	49,300	1,725,486	318,031	\$ -	\$ -
2025	1,725,486	49,300	1,676,186	310,461	\$ -	\$ -
2026	1,676,186	49,300	1,626,887	302,891	\$ -	\$ -
2027	1,626,887	49,300	1,577,587	295,321	\$ -	\$ -
2028	1,577,587	49,300	1,528,287	287,751	\$ -	\$ -
2029	1,528,287	49,300	1,478,988	280,182	\$ -	\$ -
2030	1,478,988	49,300	1,429,688	272,612	\$ -	\$ -
2031	1,429,688	49,300	1,380,389	265,042	\$ -	\$ -
2032	1,380,389	49,300	1,331,089	257,472	\$ -	\$ -
2033	1,331,089	49,300	1,281,789	249,902	\$ -	\$ -
2034	1,281,789	49,300	1,232,490	242,332	\$ -	\$ -
2035	1,232,490	49,300	1,183,190	234,762	\$ -	\$ -
2036	1,183,190	49,300	1,133,891	227,192	\$ -	\$ -
2037	1,133,891	49,300	1,084,591	219,622	\$ -	\$ -
2038	1,084,591	49,300	1,035,291	212,052	\$ -	\$ -
2039	1,035,291	49,300	985,992	204,483	\$ -	\$ -
2040	985,992	49,300	936,692	196,913	\$ -	\$ -
2041	936,692	49,300	887,393	189,343	\$ -	\$ -
2042	887,393	49,300	838,093	181,773	\$ -	\$ -
2043	838,093	49,300	788,793	174,203	\$ -	\$ -
2044	788,793	49,300	739,494	166,633	\$ -	\$ -
2045	739,494	49,300	690,194	159,063	\$ -	\$ -
2046	690,194	49,300	640,895	151,493	\$ -	\$ -
2047	640,895	49,300	591,595	143,923	\$ -	\$ -
2048	591,595	49,300	542,296	136,353	\$ -	\$ -
2049	542,296	49,300	492,996	128,784	\$ -	\$ -
2050	492,996	49,300	443,696	121,214	\$ -	\$ -
2051	443,696	49,300	394,397	113,644	\$ -	\$ -
2052	394,397	49,300	345,097	106,074	\$ -	\$ -
2053	345,097	49,300	295,798	98,504	\$ -	\$ -
2054	295,798	49,300	246,498	90,934	\$ -	\$ -
2055	246,498	49,300	197,198	83,364	\$ -	\$ -
2056	197,198	49,300	147,899	75,794	\$ -	\$ -
2057	147,899	49,300	98,599	68,224	\$ -	\$ -
2058	98,599	49,300	49,300	60,654	\$ -	\$ -
2059	49,300	49,300	0	53,085	\$ -	\$ -
2060	0	0	-	0	\$ -	\$ -
2061	-	-	-	-	\$ -	\$ -
2062	-	-	-	-	\$ -	\$ -
2063	-	-	-	-	\$ -	\$ -
2064	-	-	-	-	\$ -	\$ -
2065	-	-	-	-	\$ -	\$ -
2066	-	-	-	-	\$ -	\$ -
2067	-	-	-	-	\$ -	\$ -
2068	-	-	-	-	\$ -	\$ -
2069	-	-	-	-	\$ -	\$ -
2070	-	-	-	-	\$ -	\$ -
2071	-	-	-	-	\$ -	\$ -
2072	-	-	-	-	\$ -	\$ -
2073	-	-	-	-	\$ -	\$ -
2074	-	-	-	-	\$ -	\$ -
Project Totals				9,829,920	9,829,920	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **		
\$ 265,269	\$ 265,269		
\$ 405,050	\$ 405,050		
\$ 419,228	\$ 419,228		
\$ 326,706	\$ 326,706		
\$ 349,175	\$ 349,175		
\$ 336,641	\$ 336,641		
\$ 321,383	\$ 321,383		
\$ 315,627	\$ 315,627		

** 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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	93,178
Current Projected Year ARR w/ Incentive	93,178
Current Projected Year Incentive ARR	-

Details						
Investment	620,757	Current Year	2023			
Service Year (yyyy)	2,015	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	12	FCR w/o incentives, less depreciation	15.35%			
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%			
CIAC (Yes or No)	No	Annual Depreciation Expense	14,108			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	620,757	-	620,757	95,317	#####	\$ -
2016	620,757	14,108	606,649	108,342	108,342	\$ -
2017	606,649	14,108	592,541	106,175	106,175	\$ -
2018	592,541	14,108	578,433	104,009	104,009	\$ -
2019	578,433	14,108	564,325	101,843	101,843	\$ -
2020	564,325	14,108	550,217	99,676	99,676	\$ -
2021	550,217	14,108	536,108	97,510	97,510	\$ -
2022	536,108	14,108	522,000	95,344	95,344	\$ -
2023	522,000	14,108	507,892	93,178	93,178	\$ -
2024	507,892	14,108	493,784	91,011	91,011	\$ -
2025	493,784	14,108	479,676	88,845	88,845	\$ -
2026	479,676	14,108	465,568	86,679	86,679	\$ -
2027	465,568	14,108	451,460	84,512	84,512	\$ -
2028	451,460	14,108	437,352	82,346	82,346	\$ -
2029	437,352	14,108	423,243	80,180	80,180	\$ -
2030	423,243	14,108	409,135	78,014	78,014	\$ -
2031	409,135	14,108	395,027	75,847	75,847	\$ -
2032	395,027	14,108	380,919	73,681	73,681	\$ -
2033	380,919	14,108	366,811	71,515	71,515	\$ -
2034	366,811	14,108	352,703	69,348	69,348	\$ -
2035	352,703	14,108	338,595	67,182	67,182	\$ -
2036	338,595	14,108	324,487	65,016	65,016	\$ -
2037	324,487	14,108	310,379	62,850	62,850	\$ -
2038	310,379	14,108	296,270	60,683	60,683	\$ -
2039	296,270	14,108	282,162	58,517	58,517	\$ -
2040	282,162	14,108	268,054	56,351	56,351	\$ -
2041	268,054	14,108	253,946	54,184	54,184	\$ -
2042	253,946	14,108	239,838	52,018	52,018	\$ -
2043	239,838	14,108	225,730	49,852	49,852	\$ -
2044	225,730	14,108	211,622	47,686	47,686	\$ -
2045	211,622	14,108	197,514	45,519	45,519	\$ -
2046	197,514	14,108	183,406	43,353	43,353	\$ -
2047	183,406	14,108	169,297	41,187	41,187	\$ -
2048	169,297	14,108	155,189	39,020	39,020	\$ -
2049	155,189	14,108	141,081	36,854	36,854	\$ -
2050	141,081	14,108	126,973	34,688	34,688	\$ -
2051	126,973	14,108	112,865	32,522	32,522	\$ -
2052	112,865	14,108	98,757	30,355	30,355	\$ -
2053	98,757	14,108	84,649	28,189	28,189	\$ -
2054	84,649	14,108	70,541	26,023	26,023	\$ -
2055	70,541	14,108	56,432	23,856	23,856	\$ -
2056	56,432	14,108	42,324	21,690	21,690	\$ -
2057	42,324	14,108	28,216	19,524	19,524	\$ -
2058	28,216	14,108	14,108	17,358	17,358	\$ -
2059	14,108	14,108	-	15,191	15,191	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -

Project Totals 2,813,039 2,813,039 -

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
\$ 63,382		\$ 63,382		
\$ -		\$ -		
\$ 28,232		\$ 28,232		
\$ -		\$ -		
\$ 99,924		\$ 99,924		
\$ 96,337		\$ 96,337		
\$ 91,971		\$ 91,971		
\$ 90,323		\$ 90,323		

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-025-000)

Project Description:

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

Current Projected Year ARR	1,028,640
Current Projected Year ARR w/ Incentive	1,028,640
Current Projected Year Incentive ARR	-

Details						
Investment	6,852,888	Current Year			2023	-
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	12	FCR w/o incentives, less depreciation			15.35%	
Useful life	44	FCR w/incentives approved for these facilities, less dep.			15.35%	
CIAC (Yes or No)	No	Annual Depreciation Expense			155,747	
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	6,852,888	-	6,852,888	1,052,254	#####	\$ -
2016	6,852,888	155,747	6,697,140	1,196,044	1,196,044	\$ -
2017	6,697,140	155,747	6,541,393	1,172,129	1,172,129	\$ -
2018	6,541,393	155,747	6,385,645	1,148,214	1,148,214	\$ -
2019	6,385,645	155,747	6,229,898	1,124,299	1,124,299	\$ -
2020	6,229,898	155,747	6,074,150	1,100,384	1,100,384	\$ -
2021	6,074,150	155,747	5,918,403	1,076,469	1,076,469	\$ -
2022	5,918,403	155,747	5,762,656	1,052,554	1,052,554	\$ -
2023	5,762,656	155,747	5,606,908	1,028,640	1,028,640	\$ -
2024	5,606,908	155,747	5,451,161	1,004,725	1,004,725	\$ -
2025	5,451,161	155,747	5,295,413	980,810	980,810	\$ -
2026	5,295,413	155,747	5,139,666	956,895	956,895	\$ -
2027	5,139,666	155,747	4,983,918	932,980	932,980	\$ -
2028	4,983,918	155,747	4,828,171	909,065	909,065	\$ -
2029	4,828,171	155,747	4,672,423	885,150	885,150	\$ -
2030	4,672,423	155,747	4,516,676	861,236	861,236	\$ -
2031	4,516,676	155,747	4,360,929	837,321	837,321	\$ -
2032	4,360,929	155,747	4,205,181	813,406	813,406	\$ -
2033	4,205,181	155,747	4,049,434	789,491	789,491	\$ -
2034	4,049,434	155,747	3,893,686	765,576	765,576	\$ -
2035	3,893,686	155,747	3,737,939	741,661	741,661	\$ -
2036	3,737,939	155,747	3,582,191	717,747	717,747	\$ -
2037	3,582,191	155,747	3,426,444	693,832	693,832	\$ -
2038	3,426,444	155,747	3,270,696	669,917	669,917	\$ -
2039	3,270,696	155,747	3,114,949	646,002	646,002	\$ -
2040	3,114,949	155,747	2,959,202	622,087	622,087	\$ -
2041	2,959,202	155,747	2,803,454	598,172	598,172	\$ -
2042	2,803,454	155,747	2,647,707	574,257	574,257	\$ -
2043	2,647,707	155,747	2,491,959	550,343	550,343	\$ -
2044	2,491,959	155,747	2,336,212	526,428	526,428	\$ -
2045	2,336,212	155,747	2,180,464	502,513	502,513	\$ -
2046	2,180,464	155,747	2,024,717	478,598	478,598	\$ -
2047	2,024,717	155,747	1,868,969	454,683	454,683	\$ -
2048	1,868,969	155,747	1,713,222	430,768	430,768	\$ -
2049	1,713,222	155,747	1,557,474	406,853	406,853	\$ -
2050	1,557,474	155,747	1,401,727	382,939	382,939	\$ -
2051	1,401,727	155,747	1,245,980	359,024	359,024	\$ -
2052	1,245,980	155,747	1,090,232	335,109	335,109	\$ -
2053	1,090,232	155,747	934,485	311,194	311,194	\$ -
2054	934,485	155,747	778,737	287,279	287,279	\$ -
2055	778,737	155,747	622,990	263,364	263,364	\$ -
2056	622,990	155,747	467,242	239,449	239,449	\$ -
2057	467,242	155,747	311,495	215,535	215,535	\$ -
2058	311,495	155,747	155,747	191,620	191,620	\$ -
2059	155,747	155,747	-	167,705	167,705	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -

Project Totals 31,054,720 31,054,720 -

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **			
\$ 1,039,339	\$ 1,039,339			
\$ 1,387,490	\$ 1,387,490			
\$ 1,411,523	\$ 1,411,523			
\$ 1,133,578	\$ 1,133,578			
\$ 1,103,114	\$ 1,103,114			
\$ 1,063,519	\$ 1,063,519			
\$ 1,015,315	\$ 1,015,315			
\$ 997,129	\$ 997,129			

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

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

Current Projected Year ARR	902,385
Current Projected Year ARR w/ Incentive	902,385
Current Projected Year Incentive ARR	-

Details						
Investment	6,094,421	Current Year	2023			
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)				
Service Month (1-12)	5	FCR w/o incentives, less depreciation	15.35%			
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%			
CIAC (Yes or No)	No	Annual Depreciation Expense	138,510			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	6,094,421	80,797	6,013,624	1,010,386	1,010,386	-
2016	6,013,624	138,510	5,875,114	1,051,261	1,051,261	-
2017	5,875,114	138,510	5,736,605	1,029,993	1,029,993	-
2018	5,736,605	138,510	5,598,095	1,008,725	1,008,725	-
2019	5,598,095	138,510	5,459,585	987,457	987,457	-
2020	5,459,585	138,510	5,321,076	966,189	966,189	-
2021	5,321,076	138,510	5,182,566	944,921	944,921	-
2022	5,182,566	138,510	5,044,057	923,653	923,653	-
2023	5,044,057	138,510	4,905,547	902,385	902,385	-
2024	4,905,547	138,510	4,767,038	881,117	881,117	-
2025	4,767,038	138,510	4,628,528	859,849	859,849	-
2026	4,628,528	138,510	4,490,019	838,581	838,581	-
2027	4,490,019	138,510	4,351,509	817,313	817,313	-
2028	4,351,509	138,510	4,212,999	796,045	796,045	-
2029	4,212,999	138,510	4,074,490	774,777	774,777	-
2030	4,074,490	138,510	3,935,980	753,509	753,509	-
2031	3,935,980	138,510	3,797,471	732,241	732,241	-
2032	3,797,471	138,510	3,658,961	710,973	710,973	-
2033	3,658,961	138,510	3,520,452	689,705	689,705	-
2034	3,520,452	138,510	3,381,942	668,437	668,437	-
2035	3,381,942	138,510	3,243,432	647,169	647,169	-
2036	3,243,432	138,510	3,104,923	625,901	625,901	-
2037	3,104,923	138,510	2,966,413	604,633	604,633	-
2038	2,966,413	138,510	2,827,904	583,365	583,365	-
2039	2,827,904	138,510	2,689,394	562,097	562,097	-
2040	2,689,394	138,510	2,550,885	540,829	540,829	-
2041	2,550,885	138,510	2,412,375	519,561	519,561	-
2042	2,412,375	138,510	2,273,865	498,293	498,293	-
2043	2,273,865	138,510	2,135,356	477,025	477,025	-
2044	2,135,356	138,510	1,996,846	455,757	455,757	-
2045	1,996,846	138,510	1,858,337	434,489	434,489	-
2046	1,858,337	138,510	1,719,827	413,221	413,221	-
2047	1,719,827	138,510	1,581,318	391,953	391,953	-
2048	1,581,318	138,510	1,442,808	370,685	370,685	-
2049	1,442,808	138,510	1,304,298	349,417	349,417	-
2050	1,304,298	138,510	1,165,789	328,149	328,149	-
2051	1,165,789	138,510	1,027,279	306,881	306,881	-
2052	1,027,279	138,510	888,770	285,613	285,613	-
2053	888,770	138,510	750,260	264,345	264,345	-
2054	750,260	138,510	611,751	243,077	243,077	-
2055	611,751	138,510	473,241	221,809	221,809	-
2056	473,241	138,510	334,731	200,541	200,541	-
2057	334,731	138,510	196,222	179,273	179,273	-
2058	196,222	138,510	57,712	158,005	158,005	-
2059	57,712	57,712	-	62,143	62,143	-
2060	-	-	-	-	-	-
2061	-	-	-	-	-	-
2062	-	-	-	-	-	-
2063	-	-	-	-	-	-
2064	-	-	-	-	-	-
2065	-	-	-	-	-	-
2066	-	-	-	-	-	-
2067	-	-	-	-	-	-
2068	-	-	-	-	-	-
2069	-	-	-	-	-	-
2070	-	-	-	-	-	-
2071	-	-	-	-	-	-
2072	-	-	-	-	-	-
2073	-	-	-	-	-	-
2074	-	-	-	-	-	-
Project Totals				27,071,754	27,071,754	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 805,154	\$ 805,154			
\$ 1,159,062	\$ 1,159,062			
\$ 1,177,370	\$ 1,177,370			
\$ 974,758	\$ 974,758			
\$ 948,328	\$ 948,328			
\$ 914,070	\$ 914,070			
\$ 891,359	\$ 891,359			
\$ 875,129	\$ 875,129			

** 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.

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

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1818 (Expand Allen w/345/138 kV xfmr. and cut in double circuit tower li

Current Projected Year ARR	36,749
Current Projected Year ARR w/ Incentive	36,749
Current Projected Year Incentive ARR	-

Details						
Investment Year	242,015	Current Year	2023			
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	15.35%			
Service Month (1-12)	6	FCR w/o incentives, less depreciation	15.35%			
Useful life	44	FCR w/incentives approved for these facilities, less dep.	15.35%			
CIAC (Yes or No)	No	Annual Depreciation Expense	5,500			
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2016	242,015	2,750	239,264	39,700	39,700	-
2017	239,264	5,500	233,764	41,817	41,817	-
2018	233,764	5,500	228,264	40,972	40,972	-
2019	228,264	5,500	222,763	40,128	40,128	-
2020	222,763	5,500	217,263	39,283	39,283	-
2021	217,263	5,500	211,763	38,439	38,439	-
2022	211,763	5,500	206,262	37,594	37,594	-
2023	206,262	5,500	200,762	36,749	36,749	-
2024	200,762	5,500	195,262	35,905	35,905	-
2025	195,262	5,500	189,761	35,060	35,060	-
2026	189,761	5,500	184,261	34,216	34,216	-
2027	184,261	5,500	178,761	33,371	33,371	-
2028	178,761	5,500	173,260	32,527	32,527	-
2029	173,260	5,500	167,760	31,682	31,682	-
2030	167,760	5,500	162,260	30,837	30,837	-
2031	162,260	5,500	156,759	29,993	29,993	-
2032	156,759	5,500	151,259	29,148	29,148	-
2033	151,259	5,500	145,759	28,304	28,304	-
2034	145,759	5,500	140,258	27,459	27,459	-
2035	140,258	5,500	134,758	26,615	26,615	-
2036	134,758	5,500	129,258	25,770	25,770	-
2037	129,258	5,500	123,757	24,925	24,925	-
2038	123,757	5,500	118,257	24,081	24,081	-
2039	118,257	5,500	112,757	23,236	23,236	-
2040	112,757	5,500	107,256	22,392	22,392	-
2041	107,256	5,500	101,756	21,547	21,547	-
2042	101,756	5,500	96,256	20,703	20,703	-
2043	96,256	5,500	90,755	19,858	19,858	-
2044	90,755	5,500	85,255	19,013	19,013	-
2045	85,255	5,500	79,755	18,169	18,169	-
2046	79,755	5,500	74,254	17,324	17,324	-
2047	74,254	5,500	68,754	16,480	16,480	-
2048	68,754	5,500	63,254	15,635	15,635	-
2049	63,254	5,500	57,753	14,791	14,791	-
2050	57,753	5,500	52,253	13,946	13,946	-
2051	52,253	5,500	46,753	13,101	13,101	-
2052	46,753	5,500	41,252	12,257	12,257	-
2053	41,252	5,500	35,752	11,412	11,412	-
2054	35,752	5,500	30,252	10,568	10,568	-
2055	30,252	5,500	24,751	9,723	9,723	-
2056	24,751	5,500	19,251	8,879	8,879	-
2057	19,251	5,500	13,751	8,034	8,034	-
2058	13,751	5,500	8,250	7,189	7,189	-
2059	8,250	5,500	2,750	6,345	6,345	-
2060	2,750	2,750	-	2,961	2,961	-
2061	-	-	-	-	-	-
2062	-	-	-	-	-	-
2063	-	-	-	-	-	-
2064	-	-	-	-	-	-
2065	-	-	-	-	-	-
2066	-	-	-	-	-	-
2067	-	-	-	-	-	-
2068	-	-	-	-	-	-
2069	-	-	-	-	-	-
2070	-	-	-	-	-	-
2071	-	-	-	-	-	-
2072	-	-	-	-	-	-
2073	-	-	-	-	-	-
2074	-	-	-	-	-	-
2075	-	-	-	-	-	-

Project Totals 1,078,139 1,078,139 -

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **			
\$ -	\$ -			
\$ 51,695	\$ 51,695			
\$ 40,449	\$ 40,449			
\$ 39,370	\$ 39,370			
\$ 37,965	\$ 37,965			
\$ 36,251	\$ 36,251			
\$ 35,611	\$ 35,611			

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b2833 (Reconductor the Maddox Creek - East Lima 345 kV circuit)

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

Details		Current Year					2023
Investment	-						-
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)					-
Service Month (1-12)	7	FCR w/o incentives, less depreciation					15.35%
Useful life	44	FCR w/incentives approved for these facilities, less dep.					15.35%
CIAC (Yes or No)	No	Annual Depreciation Expense					-
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	
2019	-	-	-	-	-	\$ -	
2020	-	-	-	-	-	\$ -	
2021	-	-	-	-	-	\$ -	
2022	-	-	-	-	-	\$ -	
2023	-	-	-	-	-	\$ -	
2024	-	-	-	-	-	\$ -	
2025	-	-	-	-	-	\$ -	
2026	-	-	-	-	-	\$ -	
2027	-	-	-	-	-	\$ -	
2028	-	-	-	-	-	\$ -	
2029	-	-	-	-	-	\$ -	
2030	-	-	-	-	-	\$ -	
2031	-	-	-	-	-	\$ -	
2032	-	-	-	-	-	\$ -	
2033	-	-	-	-	-	\$ -	
2034	-	-	-	-	-	\$ -	
2035	-	-	-	-	-	\$ -	
2036	-	-	-	-	-	\$ -	
2037	-	-	-	-	-	\$ -	
2038	-	-	-	-	-	\$ -	
2039	-	-	-	-	-	\$ -	
2040	-	-	-	-	-	\$ -	
2041	-	-	-	-	-	\$ -	
2042	-	-	-	-	-	\$ -	
2043	-	-	-	-	-	\$ -	
2044	-	-	-	-	-	\$ -	
2045	-	-	-	-	-	\$ -	
2046	-	-	-	-	-	\$ -	
2047	-	-	-	-	-	\$ -	
2048	-	-	-	-	-	\$ -	
2049	-	-	-	-	-	\$ -	
2050	-	-	-	-	-	\$ -	
2051	-	-	-	-	-	\$ -	
2052	-	-	-	-	-	\$ -	
2053	-	-	-	-	-	\$ -	
2054	-	-	-	-	-	\$ -	
2055	-	-	-	-	-	\$ -	
2056	-	-	-	-	-	\$ -	
2057	-	-	-	-	-	\$ -	
2058	-	-	-	-	-	\$ -	
2059	-	-	-	-	-	\$ -	
2060	-	-	-	-	-	\$ -	
2061	-	-	-	-	-	\$ -	
2062	-	-	-	-	-	\$ -	
2063	-	-	-	-	-	\$ -	
2064	-	-	-	-	-	\$ -	
2065	-	-	-	-	-	\$ -	
2066	-	-	-	-	-	\$ -	
2067	-	-	-	-	-	\$ -	
2068	-	-	-	-	-	\$ -	
2069	-	-	-	-	-	\$ -	
2070	-	-	-	-	-	\$ -	
2071	-	-	-	-	-	\$ -	
2072	-	-	-	-	-	\$ -	
2073	-	-	-	-	-	\$ -	
2074	-	-	-	-	-	\$ -	
2075	-	-	-	-	-	\$ -	
2076	-	-	-	-	-	\$ -	
2077	-	-	-	-	-	\$ -	
2078	-	-	-	-	-	\$ -	

Project Totals

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR
TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE

TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.

RTEP Projected Rev. Req'l.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req'l.From Prior Year Template with Incentives **	
\$ 787,895		\$ 787,895	
\$ 1,123,919		\$ 1,123,919	

AEP East Companies
Cost of Service Formula Rate Using 2023 FF1 Balances
Worksheet L Reserved for Future Use
Ohio Power Company

AEP East Companies
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital
Ohio Power Company

Line No	Month (a)	Average Balance of Common Equity				
		Proprietary Capital (b)	Less: Preferred Stock (c)	Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	3,135,641,000		4,916,000	13,000	3,130,712,000
2	January	3,176,510,000		4,916,000	13,000	3,171,581,000
3	February	3,203,553,000		4,916,000	13,000	3,198,624,000
4	March	3,233,120,000		4,916,000	13,000	3,228,191,000
5	April	3,248,977,000		4,916,000	13,000	3,244,048,000
6	May	3,275,822,000		4,916,000	13,000	3,270,893,000
7	June	3,307,672,000		4,916,000	13,000	3,302,743,000
8	July	3,345,167,000		4,916,000	13,000	3,340,238,000
9	August	3,380,189,000		4,916,000	13,000	3,375,260,000
10	September	3,396,631,000		4,916,000	13,000	3,391,702,000
11	October	3,419,713,000		4,916,000	13,000	3,414,784,000
12	November	3,438,782,000		4,916,000	13,000	3,433,853,000
13	December of Rate Year	3,463,025,000		4,916,000	13,000	3,458,096,000
14	Average of the 13 Monthly Balances	3,309,600,000	-	4,916,000	13,000	3,304,671,154

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Acct 221 Bonds (b)	Less: Acct 222 Reacquired Bonds (c)	Acct 223 LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
	(Note A)	(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year				3,000,687,000		3,000,687,000
16	January				3,000,687,000		3,000,687,000
17	February				3,000,687,000		3,000,687,000
18	March				3,350,687,000		3,350,687,000
19	April				3,350,687,000		3,350,687,000
20	May				3,350,687,000		3,350,687,000
21	June				3,350,687,000		3,350,687,000
22	July				3,350,687,000		3,350,687,000
23	August				3,350,687,000		3,350,687,000
24	September				3,350,687,000		3,350,687,000
25	October				3,350,687,000		3,350,687,000
26	November				3,350,687,000		3,350,687,000
27	December of Rate Year				3,350,687,000		3,350,687,000
28	Average of the 13 Monthly Balances	-	-	-	3,269,918,000	-	3,269,917,769

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

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	Annual Interest Expense for 2023						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			129,962,000			
	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 50 below.			-			
32	Plus: Allowed Hedge Recovery From Ln 55 below.			-			
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			1,757,000			
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			307,000			
35	Less: Amort of Premium on Debt - Acct 429 (117.65.c)						
36	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)						
37	Total Interest Expense (Ln 30 - 31 + 33 + 34 - 35 - 36)			132,026,000			
38	Average Cost of Debt for 2023 (Ln 37/ Ln 28 (g))			4.04%			

CALCULATION OF RECOVERABLE HEDGE GAINS/LOSSES

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

				Amortization Period		
HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)		Total Hedge (Gain)/Loss for 2023	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Remaining Unamortized Balance	Beginning Ending
40						
41						
42						
43						
44						
45						
46				-		
47				-		
48				-		
49						
50	Total Hedge Amortization	-	-			
51	Hedge Gain or Loss Prior to Application of Recovery Limit (Sum of Lines 40 to 48)			-		
52	Total Average Capital Structure Balance for 2023 (TCOS, Ln 157)			6,574,588,769		
53	Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005		
54	Limit of Recoverable Amount			3,287,294		
55	Recoverable Hedge Amortization (Lesser of Ln 51 or Ln 54)			-		

Development of Cost of Preferred Stock

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

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

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

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

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 2023		-		-	

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

1 Total AEP East Operating Company PBOP Settlement Amount 52,288,000

Allocation of PBOP Settlement Amount for 2023

Line#	Company	Total Company Amount				One Year Functional Expense (Over)/Under		
		Actual Expense (Including AEPSC Billed OPEB)	Ratio of Company Actual to Total	Allocation of PBOP Recovery Allowance	Labor Allocator for 2023	Actual Expense	Allowable Expense	Expense (Over)/Under
		(A) (Line 14)	(B)=(A)/Total (A)	(C)=(B) * 52288000	(D)	(E)=(A) * (D)	(F)=(C) * (D)	(G)=(E) - (F)
2	APCo	(23,619,000)	35.96%	18,800,564	10.674%	(2,521,032)	2,006,724	(4,527,756)
3	I&M	(17,707,000)	26.96%	14,094,652	4.922%	(871,581)	693,773	(1,565,354)
4	KPCo	(5,481,000)	8.34%	4,362,839	9.816%	(538,035)	428,272	(966,307)
5	KNGP	(551,000)	0.84%	438,592	10.629%	(58,565)	46,617	(105,182)
6	OPCo	(17,283,000)	26.31%	13,757,151	12.769%	(2,206,875)	1,756,658	(3,963,533)
7	WPCo	(1,048,000)	1.60%	834,201	2.864%	(30,016)	23,892	(53,908)
8	Sum of Lines 2 to 7	(65,689,000)		52,288,000		(6,226,104)	4,955,937	(11,182,040)

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

	APCo	I&M	KPCo	KNGSPT	OPCo	WPCo	AEP East Total
9 Direct Charged PBOP Expense per Actuarial Report	(19,054,000)	(16,769,000)	(4,940,000)	(434,000)	(13,441,000)	(521,000)	(55,159,000)
10 Additional PBOP Ledger Entries (from Company Records)	567,000	2,049,000	483,000	-	-	(440,000)	
11 Medicare Subsidy	-	-	-	-	-	-	-
12 Net Company Expense (Ln 9 + Ln 10 + Ln 11)	(18,487,000)	(14,720,000)	(4,457,000)	(434,000)	(13,441,000)	(961,000)	(52,500,000)
13 PBOP Expenses From AEP Service Corporation (from Company Records)	(5,671,000)	(3,793,000)	(1,364,000)	(140,000)	(4,292,000)	(115,000)	(15,375,000)
14 Company PBOP Expense (Ln 12 + Ln 13)	(24,158,000)	(18,513,000)	(5,821,000)	(574,000)	(17,733,000)	(1,076,000)	(67,875,000)

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

AEP EAST COMPANIES
Worksheet - P CALCULATION OF
TOTAL WEIGHTED AVERAGE DEPRECIATION RATES
FOR TRANSMISSION PLANT PROPERTY ACCOUNT
EFFECTIVE AS OF 1/1/2020
FOR MULTIPLE JURISDICTION COMPANIES
Appalachian Power Company

	VIRGINIA				WEST VIRGINIA			FERC WHOLESALE			FERC KINGSFORT			COMPANY
	(1) PLANT ACCT.	(1) VA SCC RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	(2) PSC OF WV APPROVED RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	(3) FERC RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	(4) FERC RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	WTD AVG. DEPREC. RATE
TRANSMISSION PLANT														
Land Rights - Va.	350.1	0.66%	1.000000	0.66%										0.66%
Energy Storage Equip	351.0				14.22%	1.000000	14.22%							14.22%
Structures & Improvements	352.0	1.99%	0.494821	0.98%	1.62%	0.411083	0.67%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	1.86%
Station Equipment	353.0	2.70%	0.494821	1.34%	2.37%	0.411083	0.97%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	2.52%
Towers & Fixtures	354.0	1.64%	0.494821	0.81%	1.59%	0.411083	0.65%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	1.67%
Poles & Fixtures	355.0	3.46%	0.494821	1.71%	2.71%	0.411083	1.11%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	3.03%
Overhead Conductor	356.0	1.65%	0.494821	0.82%	1.53%	0.411083	0.63%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	1.66%
Underground Conduit	357.0	2.49%	0.494821	1.23%	3.71%	0.411083	1.53%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	2.97%
Underground Conductors	358.0	4.72%	0.494821	2.34%	5.24%	0.411083	2.15%	2.19%	0.036533	0.08%	2.19%	0.057563	0.13%	4.70%
GENERAL PLANT														
Structures & Improvements	390.0	1.89%	0.523756	0.99%	1.91%	0.425941	0.81%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	1.98%
Office Furniture & Equipment	391.0	3.21%	0.523756	1.68%	3.17%	0.425941	1.35%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	3.21%
Transportation Equipment	392.0	3.46%	0.523756	1.81%	3.40%	0.425941	1.45%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	3.44%
Stores Equipment	393.0	1.78%	0.523756	0.93%	1.80%	0.425941	0.77%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	1.88%
Tools Shop & Garage Equipment	394.0	2.59%	0.523756	1.36%	2.57%	0.425941	1.09%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	2.63%
Laboratory Equipment	395.0	3.87%	0.523756	2.03%	4.01%	0.425941	1.71%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	3.92%
Power Operated Equipment	396.0	0.00%	0.523756	0.00%	3.90%	0.425941	1.66%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	1.84%
Communication Equipment	397.0	5.05%	0.523756	2.64%	4.98%	0.425941	2.12%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	4.94%
Miscellaneous Equipment	398.0	2.67%	0.523756	1.40%	2.70%	0.425941	1.15%	3.43%	0.019295	0.07%	3.43%	0.031009	0.11%	2.73%

(1) As approved in VA Case No. PUE 2020-00015 on Nov. 24, 2020
Depreciation rates were made effective on January 1, 2020.

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

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

(2) Approved by PSC of WV Order dated 2/27/2019 in
Case No. 18-0645-E-D effective 03/06/2019.

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

(6) Distribution Plant (recorded by state) is assigned only to
jurisdictions within each state.

GENERAL NOTES:

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

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

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

AEP EAST COMPANIES
Worksheet - P CALCULATION OF
TOTAL WEIGHTED AVERAGE DEPRECIATION RATES
FOR TRANSMISSION PLANT PROPERTY ACCOUNT
EFFECTIVE AS OF MARCH 11, 2020
FOR MULTIPLE JURISDICTION COMPANIES
INDIANA MICHIGAN POWER COMPANY

	INDIANA				MICHIGAN AND FERC			COMPANY
	(1) PLANT ACCT.	IURC RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	(2) MPSC APPROVED RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	WTD AVG. DEPREC. RATE
TRANSMISSION PLANT								
Land Improvements	350.1	1.6600%	0.662335	1.0995%	1.6200%	0.337665	0.5470%	1.65%
Structures & Improvements	352.0	1.7700%	0.662335	1.1723%	1.7400%	0.337665	0.5875%	1.76%
Station Equipment	353.0	2.4300%	0.662335	1.6095%	2.4100%	0.337665	0.8138%	2.42%
Towers & Fixtures	354.0	2.5700%	0.662335	1.7022%	2.4500%	0.337665	0.8273%	2.53%
Poles & Fixtures	355.0	3.1900%	0.662335	2.1128%	3.1700%	0.337665	1.0704%	3.18%
Overhead Conductors	356.0	2.3500%	0.662335	1.5565%	2.2800%	0.337665	0.7699%	2.33%
Underground Conduit	357.0	2.3000%	0.662335	1.5234%	2.2100%	0.337665	0.7462%	2.27%
Underground Conductors	358.0	1.9300%	0.662335	1.2783%	1.9000%	0.337665	0.6416%	1.92%
Trails & Roads	359.0	1.6100%	0.662335	1.0664%	1.5900%	0.337665	0.5369%	1.60%
GENERAL PLANT								
	390.0	2.0800%	0.681868	1.4183%	2.0800%	0.318132	0.6617%	2.08%
	391.0	4.7900%	0.681868	3.2661%	4.8400%	0.318132	1.5398%	4.81%
\$0 at Dec 2018 - use old rate	392.0	4.6400%	0.681868	3.1639%	4.6800%	0.318132	1.4889%	4.65%
	393.0	7.3500%	0.681868	5.0117%	7.3800%	0.318132	2.3478%	7.36%
	394.0	6.9900%	0.681868	4.7663%	7.0700%	0.318132	2.2492%	7.02%
	395.0	5.4100%	0.681868	3.6889%	5.4600%	0.318132	1.7370%	5.43%
	396.0	4.8100%	0.681868	3.2798%	4.9000%	0.318132	1.5588%	4.84%
	397.0	3.9100%	0.681868	2.6661%	3.9300%	0.318132	1.2503%	3.92%
	398.0	3.3200%	0.681868	2.2638%	3.3500%	0.318132	1.0657%	3.33%

(1) As approved in Indiana Cause No. 45235 effective March 11, 2020.

(2) As approved in Michigan Case No. U-20359 effective February 1, 2020.

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

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

GENERAL NOTES:

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

I&M falls under the authority of Indiana, Michigan and the FERC. Therefore, I&M's rates are a composite of the jurisdictions under which it operates. Each jurisdiction's rate is multiplied by an allocation factor, and the product for each jurisdiction is added with the other jurisdictions to derive the composite rate. AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

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

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

Reference:

Note 1: Rates Approved In Tennessee Regulatory Authority Docket No. 16-00001.
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Note 2: Kingsport Power Company does not have investment in plant
accounts 357 or 358. Therefore, there are no depreciation rates approved

General Note

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

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

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

Reference:

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

General Note

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

**AEP EAST COMPANIES
PJM FORMULA RATE
WORKSHEET P - TRANSMISSION DEPRECIATION RATES
EFFECTIVE AS OF 4/1/2012
FOR SINGLE JURISDICTION COMPANIES
OHIO POWER COMPANY**

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

Reference:

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

General Note:

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

**AEP EAST COMPANIES
PJM FORMULA RATE
WORKSHEET P - TRANSMISSION DEPRECIATION RATES
EFFECTIVE AS OF 3/1/2019
FOR SINGLE JURISDICTION COMPANIES
WHEELING POWER COMPANY**

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

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

General Note:

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

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

Reconciliation Revenue Requirement For Year 2021 Available May 25, 2022		2021 Forecasted Revenue Requirement For Year 2021		True-up Adjustment - Over (Under) Recovery
\$352,715,510	-	\$337,138,007	=	(\$15,577,503)

Interest Rate on Amount of Refunds or Surcharges from 35.19a		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
			0.2770%				
An over or under collection will be recovered prorata over 2021, held for 2022 and returned prorata over 2023							
Calculation of Interest					Monthly		
January	Year 2021	(1,298,125)	0.2770%	12	43,150		1,341,275
February	Year 2021	(1,298,125)	0.2770%	11	39,554		1,337,679
March	Year 2021	(1,298,125)	0.2770%	10	35,958		1,334,083
April	Year 2021	(1,298,125)	0.2770%	9	32,362		1,330,487
May	Year 2021	(1,298,125)	0.2770%	8	28,766		1,326,892
June	Year 2021	(1,298,125)	0.2770%	7	25,171		1,323,296
July	Year 2021	(1,298,125)	0.2770%	6	21,575		1,319,700
August	Year 2021	(1,298,125)	0.2770%	5	17,979		1,316,104
September	Year 2021	(1,298,125)	0.2770%	4	14,383		1,312,508
October	Year 2021	(1,298,125)	0.2770%	3	10,787		1,308,913
November	Year 2021	(1,298,125)	0.2770%	2	7,192		1,305,317
December	Year 2021	(1,298,125)	0.2770%	1	3,596		1,301,721
					280,473		15,857,976
January through December		Year 2022			Annual		
		15,857,976	0.2770%	12	527,119		16,385,095
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					Monthly		
January	Year 2023	(16,385,095)	0.2770%		45,387	(1,390,134)	15,040,348
February	Year 2023	(15,040,348)	0.2770%		41,662	(1,390,134)	13,691,876
March	Year 2023	(13,691,876)	0.2770%		37,926	(1,390,134)	12,339,669
April	Year 2023	(12,339,669)	0.2770%		34,181	(1,390,134)	10,983,716
May	Year 2023	(10,983,716)	0.2770%		30,425	(1,390,134)	9,624,007
June	Year 2023	(9,624,007)	0.2770%		26,658	(1,390,134)	8,260,532
July	Year 2023	(8,260,532)	0.2770%		22,882	(1,390,134)	6,893,280
August	Year 2023	(6,893,280)	0.2770%		19,094	(1,390,134)	5,522,240
September	Year 2023	(5,522,240)	0.2770%		15,297	(1,390,134)	4,147,403
October	Year 2023	(4,147,403)	0.2770%		11,488	(1,390,134)	2,768,758
November	Year 2023	(2,768,758)	0.2770%		7,669	(1,390,134)	1,386,294
December	Year 2023	(1,386,294)	0.2770%		3,840	(1,390,134)	(0)
					296,510		
True-Up Adjustment with Interest						16,681,604	
Less Over (Under) Recovery						(15,577,503)	
Total Interest						1,104,102	

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

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

Reconciliation Revenue Requirement For Year 2021 Available May 25, 2022	-	2021 Forecasted Revenue Requirement For Year 2021	=	True-up Adjustment - Over (Under) Recovery
\$6,197,030		\$6,097,445		(\$99,585)

Interest Rate on Amount of Refunds or Surcharges from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.2770%				

An over or under collection will be recovered prorata over 2021, held for 2022 and returned prorata over 2023

<u>Calculation of Interest</u>					Monthly		
January	Year 2021	(8,299)	0.2770%	12	276		8,575
February	Year 2021	(8,299)	0.2770%	11	253		8,552
March	Year 2021	(8,299)	0.2770%	10	230		8,529
April	Year 2021	(8,299)	0.2770%	9	207		8,506
May	Year 2021	(8,299)	0.2770%	8	184		8,483
June	Year 2021	(8,299)	0.2770%	7	161		8,460
July	Year 2021	(8,299)	0.2770%	6	138		8,437
August	Year 2021	(8,299)	0.2770%	5	115		8,414
September	Year 2021	(8,299)	0.2770%	4	92		8,391
October	Year 2021	(8,299)	0.2770%	3	69		8,368
November	Year 2021	(8,299)	0.2770%	2	46		8,345
December	Year 2021	(8,299)	0.2770%	1	23		8,322
					1,793		101,378
					Annual		
January through December	Year 2022	101,378	0.2770%	12	3,370		104,748
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly		
January	Year 2023	(104,748)	0.2770%		290	(8,887)	96,151
February	Year 2023	(96,151)	0.2770%		266	(8,887)	87,531
March	Year 2023	(87,531)	0.2770%		242	(8,887)	78,886
April	Year 2023	(78,886)	0.2770%		219	(8,887)	70,218
May	Year 2023	(70,218)	0.2770%		195	(8,887)	61,525
June	Year 2023	(61,525)	0.2770%		170	(8,887)	52,809
July	Year 2023	(52,809)	0.2770%		146	(8,887)	44,068
August	Year 2023	(44,068)	0.2770%		122	(8,887)	35,303
September	Year 2023	(35,303)	0.2770%		98	(8,887)	26,514
October	Year 2023	(26,514)	0.2770%		73	(8,887)	17,700
November	Year 2023	(17,700)	0.2770%		49	(8,887)	8,862
December	Year 2023	(8,862)	0.2770%		25	(8,887)	0
					1,896		
True-Up Adjustment with Interest						106,644	
Less Over (Under) Recovery						(99,585)	
Total Interest						7,058	

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

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

Reconciliation Revenue Requirement For Year 2021 Available May 25, 2022	-	2021 Forecasted Revenue Requirement For Year 2021	=	True-up Adjustment - Over (Under) Recovery
\$10,107,943		\$9,544,413		(\$563,531)

Interest Rate on Amount of Refunds or Surcharges from 35.19a		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
			0.2770%				
An over or under collection will be recovered prorata over 2021, held for 2022 and returned prorata over 2023							
Calculation of Interest					Monthly		
January	Year 2021	(46,961)	0.2770%	12	1,561		48,522
February	Year 2021	(46,961)	0.2770%	11	1,431		48,392
March	Year 2021	(46,961)	0.2770%	10	1,301		48,262
April	Year 2021	(46,961)	0.2770%	9	1,171		48,132
May	Year 2021	(46,961)	0.2770%	8	1,041		48,002
June	Year 2021	(46,961)	0.2770%	7	911		47,871
July	Year 2021	(46,961)	0.2770%	6	780		47,741
August	Year 2021	(46,961)	0.2770%	5	650		47,611
September	Year 2021	(46,961)	0.2770%	4	520		47,481
October	Year 2021	(46,961)	0.2770%	3	390		47,351
November	Year 2021	(46,961)	0.2770%	2	260		47,221
December	Year 2021	(46,961)	0.2770%	1	130		47,091
					10,146		573,677
January through December		Year 2022			Annual		
		573,677	0.2770%	12	19,069		592,746
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					Monthly		
January	Year 2023	(592,746)	0.2770%		1,642	(50,289)	544,099
February	Year 2023	(544,099)	0.2770%		1,507	(50,289)	495,317
March	Year 2023	(495,317)	0.2770%		1,372	(50,289)	446,399
April	Year 2023	(446,399)	0.2770%		1,237	(50,289)	397,346
May	Year 2023	(397,346)	0.2770%		1,101	(50,289)	348,158
June	Year 2023	(348,158)	0.2770%		964	(50,289)	298,833
July	Year 2023	(298,833)	0.2770%		828	(50,289)	249,371
August	Year 2023	(249,371)	0.2770%		691	(50,289)	199,772
September	Year 2023	(199,772)	0.2770%		553	(50,289)	150,036
October	Year 2023	(150,036)	0.2770%		416	(50,289)	100,162
November	Year 2023	(100,162)	0.2770%		277	(50,289)	50,150
December	Year 2023	(50,150)	0.2770%		139	(50,289)	0
					10,727		
True-Up Adjustment with Interest						603,473	
Less Over (Under) Recovery						(563,531)	
Total Interest						39,942	

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

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

Reconciliation Revenue Requirement For Year 2021 Available May 25, 2022	-	2021 Collections	=	True-up Adjustment - Over (Under) Recovery
\$225,256		\$1,956,366		\$1,731,110

Interest Rate on Amount of Refunds or Surcharges from 35.19a		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.2770%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection will be recovered prorata over 2021, held for 2022 and returned prorata over 2023							
<u>Calculation of Interest</u>					Monthly		
January	Year 2021	144,259	0.2770%	12	(4,795)		(149,054)
February	Year 2021	144,259	0.2770%	11	(4,396)		(148,655)
March	Year 2021	144,259	0.2770%	10	(3,996)		(148,255)
April	Year 2021	144,259	0.2770%	9	(3,596)		(147,856)
May	Year 2021	144,259	0.2770%	8	(3,197)		(147,456)
June	Year 2021	144,259	0.2770%	7	(2,797)		(147,056)
July	Year 2021	144,259	0.2770%	6	(2,398)		(146,657)
August	Year 2021	144,259	0.2770%	5	(1,998)		(146,257)
September	Year 2021	144,259	0.2770%	4	(1,598)		(145,858)
October	Year 2021	144,259	0.2770%	3	(1,199)		(145,458)
November	Year 2021	144,259	0.2770%	2	(799)		(145,058)
December	Year 2021	144,259	0.2770%	1	(400)		(144,659)
					(31,169)		(1,762,279)
January through December					Annual		
	Year 2022	(1,762,279)	0.2770%	12	(58,578)		(1,820,857)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly		
January	Year 2023	1,820,857	0.2770%		(5,044)	154,484	(1,671,417)
February	Year 2023	1,671,417	0.2770%		(4,630)	154,484	(1,521,563)
March	Year 2023	1,521,563	0.2770%		(4,215)	154,484	(1,371,293)
April	Year 2023	1,371,293	0.2770%		(3,798)	154,484	(1,220,608)
May	Year 2023	1,220,608	0.2770%		(3,381)	154,484	(1,069,505)
June	Year 2023	1,069,505	0.2770%		(2,963)	154,484	(917,984)
July	Year 2023	917,984	0.2770%		(2,543)	154,484	(766,042)
August	Year 2023	766,042	0.2770%		(2,122)	154,484	(613,680)
September	Year 2023	613,680	0.2770%		(1,700)	154,484	(460,896)
October	Year 2023	460,896	0.2770%		(1,277)	154,484	(307,689)
November	Year 2023	307,689	0.2770%		(852)	154,484	(154,057)
December	Year 2023	154,057	0.2770%		(427)	154,484	(0)
					(32,951)		
True-Up Adjustment with Interest						(1,853,808)	
Less Over (Under) Recovery						1,731,110	
Total Interest						(122,698)	

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.