Twelve Months Ended 2022

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

Ohio Power Company

Line No.			Total	Allocator			Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 130)					$386,169,085
2	REVENUE CREDITS	(Worksheet E Ln 8) (Note A)	13,218,000	DA	1.00000	$	13,218,000
3	Facility Credits under PJM OATT Section 30.9	(Worksheet E Ln 9) (Note X)				$	6,097,445
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)				$	379,048,530

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)		9,365,691	DA	1.00000	$	9,365,691
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)						
7	Annual Rate	((ln 1 - ln 95)/((ln 42) x 100))					17.60%
8	Monthly Rate	(ln 7 / 12)					1.47%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)						
10	Annual Rate	((ln 1 - ln 95 - ln 100) /((ln 42) x 100))					14.41%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)						
12	Annual Rate	((ln 1 - ln 95 - ln 100 - ln 125 - ln 126) /((ln 42) x 100))					7.79%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note B) (Worksheet J/K)						

14	**REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES**		
15	Total Load Dispatch & Scheduling (Account 561)	Line 75 Below	1,156,000
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)		298,000
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)		-
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)	858,000

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

Ohio Power Company

Line No.	(1) RATE BASE CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total NOTE C	(4) Allocator		(5) Total Transmission
	GROSS PLANT IN SERVICE					
19	Production	(Worksheet A ln 14.(b))	-	NA	0.00000	-
20	Less: Production ARO (Enter Negative)	(Worksheet A ln 14.(c))	-	NA	0.00000	-
21	Transmission	(Worksheet A ln 14.(d) & TCOS Ln 134)	3,081,050,923	DA		3,081,050,923
22	Less: Transmission ARO (Enter Negative)	(Worksheet A ln 14.(e))	(3,000)	TP	1.00000	(3,000)
23	Distribution	(Worksheet A ln 14.(f))	6,351,560,846	NA	0.00000	-
24	Less: Distribution ARO (Enter Negative)	(Worksheet A ln 14.(g))	-	NA	0.00000	-
25	General Plant	(Worksheet A ln 14.(h))	762,463,000	W/S	0.12672	96,618,923
26	Less: General Plant ARO (Enter Negative)	(Worksheet A ln 14.(i))	(623,000)	W/S	0.12672	(78,946)
27	Intangible Plant	(Worksheet A ln 14.(j))	283,569,462	W/S	0.12672	35,933,778
28	TOTAL GROSS PLANT	(sum lns 19 to 27)	10,478,018,231	**GP**	**0.306692**	3,213,521,678
				GTD=	**0.32664**	
29	ACCUMULATED DEPRECIATION AND AMORTIZATION					
30	Production	(Worksheet A ln 28.(b))	-	NA	0.00000	-
31	Less: Production ARO (Enter Negative)	(Worksheet A ln 28.(c))	-	NA	0.00000	-
32	Transmission	(Worksheet A ln 28.(d) & ln 43.(c))	902,209,154	**TP1=**	1.00000	902,209,154
33	Less: Transmission ARO (Enter Negative)	(Worksheet A ln 28.(e))	(3,000)	**TP1=**	1.00000	(3,000)
34	Distribution	(Worksheet A ln 28.(f))	1,840,864,308	NA	0.00000	-
35	Less: Distribution ARO (Enter Negative)	(Worksheet A ln 28.(g))	-	NA	0.00000	-
36	General Plant	(Worksheet A ln 28.(h))	143,670,077	W/S	0.12672	18,205,799
37	Less: General Plant ARO (Enter Negative)	(Worksheet A ln 28.(i))	(344,538)	W/S	0.12672	(43,660)
38	Intangible Plant	(Worksheet A ln 28.(j))	124,290,846	W/S	0.12672	15,750,073
39	TOTAL ACCUMULATED DEPRECIATION	(sum lns 30 to 38)	3,010,686,846			936,118,366
40	NET PLANT IN SERVICE					
41	Production	(ln 19 + ln 20 - ln 30 - ln 31)	-			-
42	Transmission	(ln 21 + ln 22 - ln 32 - ln 33)	2,178,841,769			2,178,841,769
43	Distribution	(ln 23 + ln 24 - ln 34 - ln 35)	4,510,696,538			-
44	General Plant	(ln 25 + ln 26 - ln 36 - ln 37)	618,514,462			78,377,838
45	Intangible Plant	(ln 27 - ln 38)	159,278,615			20,183,705
46	TOTAL NET PLANT IN SERVICE	(sum lns 41 to 45)	7,467,331,385	**NP**	**0.304982**	2,277,403,312
47	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)				
48	Account No. 281.1 (enter negative)	(Worksheet B, ln 2 & ln 5.E)	-	NA		-
49	Account No. 282.1 (enter negative)	(Worksheet B, ln 7 & ln 10.E)	(1,468,272,000)	DA		(462,086,500)
50	Account No. 283.1 (enter negative)	(Worksheet B, ln 12 & ln 15.E)	(150,394,000)	DA		(27,335,500)
51	Account No. 190.1	(Worksheet B, ln 17 & ln 20.E)	86,526,500	DA		(1,466,500)
52	Account No. 255 (enter negative)	(Worksheet B, ln 24 & ln 25.E)	-	DA		-
53	TOTAL ADJUSTMENTS	(sum lns 48 to 52)	(1,532,139,500)			(490,888,500)
54	PLANT HELD FOR FUTURE USE	(Worksheet A ln 44.(e) & ln 45.(e))	4,810,000	DA		2,525,000
55	REGULATORY ASSETS	(Worksheet A ln 51.(e))	-	DA		-
56	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A ln 54.(e))	(701,000)	W/S	0.12672	(88,830)
57	WORKING CAPITAL	(Note E)				
58	Cash Working Capital	(1/8 * ln 78)	4,902,250			4,902,250
59	Transmission Materials & Supplies	(Worksheet C, ln 2.(F))	3,844,000	TP	1.00000	3,844,000
60	A&G Materials & Supplies	(Worksheet C, ln 3.(F))	297,000	W/S	0.12672	37,636
61	Stores Expense	(Worksheet C, ln 4.(F))	-	GP	0.30669	-
62	Prepayments (Account 165) - Labor Allocated	(Worksheet C, ln 8.G)	250,025,500	W/S	0.12672	31,683,104
63	Prepayments (Account 165) - Gross Plant	(Worksheet C, ln 8.F)	793,500	GP	0.30669	243,360
64	Prepayments (Account 165) - Transmission Only	(Worksheet C, ln 8.E)	-	DA	1.00000	-
65	Prepayments (Account 165) - Unallocable	(Worksheet C, ln 8.D)	(249,204,500)	NA	0.00000	-
66	TOTAL WORKING CAPITAL	(sum lns 58 to 65)	10,657,750			40,710,350
67	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, ln 8.B)	-	DA	1.00000	-
68	RATE BASE (sum lns 46, 53, 54, 55, 56, 66, 67)		5,949,958,635			1,829,661,331

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

Ohio Power Company

Line No.	(1) **EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION**	(2) **Data Sources (See "General Notes")**	(3) **TO Total**	(4) **Allocator**		(5) **Total Transmission**
	OPERATION & MAINTENANCE EXPENSE					
69	Production	321.80.b	751,473,000			
70	Distribution	322.156.b	212,703,000			
71	Customer Related Expense	322 & 323.164,171,178.b	157,401,000			
72	Regional Marketing Expenses	322.131.b				
73	Transmission	321.112.b	636,547,000			
74	TOTAL O&M EXPENSES	(sum lns 69 to 73)	1,758,124,000			
75	Less: Total Account 561	(Note G) (Worksheet F, ln 14.C)	1,156,000			
76	Less: Account 565	(Note H) 321.96.b	601,913,000			
77	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, ln 4.C)	(5,740,000)			
78	Total O&M Allocable to Transmission	(lns 73 - 75 - 76 - 77)	39,218,000	TP	1.00000	39,218,000
79	Administrative and General	323.197.b (Notes J and M)	76,563,000			
80	Less: Acct. 924, Property Insurance	323.185.b	2,421,000			
81	Acct. 9260039 PBOP Expense	PBOP Worksheet O Line 9 & 10, (Note K)	(12,905,000)			
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)	(4,133,000)			
84	Acct. 928, Reg. Com. Exp.	323.189.b	751,000			
85	Acct. 930.1, Gen. Advert. Exp.	323.191.b	254,000			
86	Acct. 930.2, Misc. Gen. Exp.	323.192.b	8,612,000			
87	Balance of A & G	(ln 79 - sum ln 80 to ln 86)	81,563,000	W/S	0.12672	10,335,622
88	Plus: Acct. 924, Property Insurance	(ln 80)	2,421,000	GP	0.30669	742,501
89	Acct. 928 - Transmission Specific	Worksheet F ln 20.(E) (Note L)	22,000	TP	1.00000	22,000
90	Acct 930.1 - Only safety related ads -Direct	Worksheet F ln 37.(E) (Note L)	-	TP	1.00000	-
91	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F ln 43.(E) (Note L)	649,000	DA	1.00000	649,000
92	Settlement Approved PBOP Recovery	PBOP Worksheet O, Col. C (Note M)	(33,617,436)	W/S	0.12672	(4,259,984)
93	A & G Subtotal	(sum lns 87 to 92)	51,037,564			7,489,138
94	O & M EXPENSE SUBTOTAL	(ln 78 + ln 93)	90,255,564			46,707,138
95	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		2,741,000	DA	1.00000	2,741,000
96	TOTAL O & M EXPENSE	(ln 94 + ln 95)	92,996,564			49,448,138
97	DEPRECIATION AND AMORTIZATION EXPENSE					
98	Production	336.2-6.f	-	NA	0.00000	-
99	Distribution	336.8.f	216,957,000	NA	0.00000	-
100	Transmission	336.7.f	69,546,000	TP1	1.00000	69,546,000
101	General	336.10.f	19,622,000	W/S	0.12672	2,486,490
102	Intangible	336.1.f	50,871,000	W/S	0.12672	6,446,347
103	TOTAL DEPRECIATION AND AMORTIZATI0N	(Ln 98+99+ 100+101+102)	356,996,000			78,478,837
104	TAXES OTHER THAN INCOME	(Note N)				
105	Labor Related					
106	Payroll	Worksheet H ln 24.(D)	6,778,000	W/S	0.12672	858,905
107	Plant Related					
108	Property	Worksheet H ln .(C)	351,937,000	DA		111,610,221
109	Gross Receipts/Sales & Use	Worksheet H ln 24.(F)	155,384,000	NA	0.00000	-
110	Other	Worksheet H ln 24.(E)	5,102,000	GP	0.30669	1,564,741
111	TOTAL OTHER TAXES	(sum lns 106 to 110)	519,201,000			114,033,867
112	INCOME TAXES	(Note O)				
113	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =		21.92%			
114	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =		19.99%			
115	where WCLTD=(ln 154) and WACC = (ln 157)					
116	and FIT, SIT & p are as given in Note O.					
117	GRCF=1 / (1 - T) = (from ln 113)		1.2807			
118	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, ln 19.c)	(1,000)			
119	Excess Deferred Income Tax	(Note U)	(28,052,000)	DA		(7,415,000)
120	Tax Effect of Permanent and Flow-Through Differences	(Note U)	3,110,000	DA		552,000
121	Income Tax Calculation	(ln 114 * ln 126)	82,876,469			25,485,197
122	ITC adjustment	(ln 117 * ln 118)	(1,281)	GP	0.30669	(393)
123	Excess Deferred Income Tax	(ln 117 * ln 119)	(35,926,761)			(9,496,540)
124	Tax Effect of Permanent and Flow-Through Differences	(ln 117 * ln 120)	3,983,040			706,958
125	TOTAL INCOME TAXES	(sum lns 121 to 124)	50,931,467			16,695,222
126	RETURN ON RATE BASE (Rate Base*WACC)	(ln 68 * ln 157)	414,665,372			127,513,020
127	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, ln 2.(B))		-	DA	1.00000	-
128	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, ln 4, Cols. ((F) & (H))		-			-
129	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (ln 128 * ln114)		-			-
130	TOTAL REVENUE REQUIREMENT (sum lns 96, 103, 111, 125, 126, 127, 128, 129)		1,434,790,403			386,169,085

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

Ohio Power Company

SUPPORTING CALCULATIONS

ln No.	TRANSMISSION PLANT INCLUDED IN PJM TARIFF			
131	Total transmission plant	(ln 21)		3,081,050,923
132	Less transmission plant excluded from PJM Tariff (Worksheet A, ln 42, Col. (d)) (Note P)			-
133	Less transmission plant included in OATT Ancillary Services (Worksheet A, ln 42, Col. (b)) (Note Q)			-
134	Transmission plant included in PJM Tariff	(ln 131 - ln 132 - ln 133)		3,081,050,923
135	Percent of transmission plant in PJM Tariff	(ln 134 / ln 131)	**TP=**	**1.00000**

ln No.			Direct Payroll	Payroll Billed from AEP Service Corp.	Total			
136	WAGES & SALARY ALLOCATOR (W/S)	(Note R)						
137	Production	354.20.b	8,000	24,000	32,000	NA	0.00000	-
138	Transmission	354.21.b	78,000	15,131,000	15,209,000	TP	1.00000	15,209,000
139	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000	-
140	Distribution	354.23.b	63,528,000	11,138,000	74,666,000	NA	0.00000	-
141	Other (Excludes A&G)	354.24,25,26.b	15,955,000	14,159,000	30,114,000	NA	0.00000	-
142	Total	(sum lns 137 to 141)	79,569,000	40,452,000	120,021,000			15,209,000
143	Transmission related amount						**W/S=**	**0.12672**

ln No.				Capital Structure Percentages		Cost	
144	WEIGHTED AVERAGE COST OF CAPITAL (WACC)						$
145	Long Term Interest	(Worksheet M, ln. 37, col. (d))					124,606,000
146	Preferred Dividends	(Worksheet M, ln. 71)					-
147	Development of Common Stock:						
148	Proprietary Capital	(Worksheet M, ln. 14, col. (b))					2,980,675,000
149	Less: Preferred Stock	(Worksheet M, ln. 14, col. (c))					-
150	Less: Account 216.1	(Worksheet M, ln. 14, col. (d))					4,916,000
151	Less: Account 219	(Worksheet M, ln. 14, col. (e))					(128,000)
152	Common Stock	(ln 148 - ln 149 - ln 150 - ln 151)					2,975,887,000
153			$	Actual	Cap Limit	(Note S)	Weighted
154	Long Term Debt (Note T) Worksheet M, ln 28, col. (g), ln 38, col. (d))		3,231,560,231	52.06%	52.06%	3.86%	0.0201
155	Preferred Stock (ln 149)		-	0.00%	0.00%	-	0.0000
156	Common Stock (ln 152)		2,975,887,000	47.94%	47.94%	10.35%	0.0496
157	Total (Sum lns 154 to 156)		6,207,447,231			**WACC=**	**0.0697**
158	Capital Structure Equity Limit (Note Z)	55%					

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

Ohio Power Company

Letter	**Notes**
	General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line#.Column.X
A	Revenue credits include: 1) Forfeited Discounts. 2) Miscellaneous Service Revenues. 3) Rental revenues earned on assets included in the rate base. 4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service. 5) Other electric revenues. 6) Revenues for grandfathered PTP contracts included in the load divisor. 7) If AEP 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 Section1.167(l)-l(h)(6)(ii). 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 (Miscellaneouse 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 Corportation. 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= 1.16% (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 captial 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.
V	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 liabilites recorded to Accounts 228.1-228.4 from rate base.
Z	Per the settlement in EL17-13, equity is limited to 55% in of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure.

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

		Gross Plant In Service								
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 205 Col.(g) & pg. 204 Col. (b), ln 46	FF1, page 205&204, Col.(g)&(b), lns 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 58	Acct. 359.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 74	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 99	Acct. 399.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), ln 5
1	December Prior to Rate Year	-	-	3,021,306,000	3,000	6,176,061,000		737,535,000	623,000	257,569,000
2	January	-	-	3,027,884,000	3,000	6,203,110,000		742,002,000	623,000	263,716,000
3	February	-	-	3,028,869,000	3,000	6,228,804,000		745,764,000	623,000	269,751,000
4	March	-	-	3,046,337,000	3,000	6,257,805,000		748,972,000	623,000	268,521,000
5	April	-	-	3,049,201,000	3,000	6,286,745,000		752,226,000	623,000	274,559,000
6	May	-	-	3,059,674,000	3,000	6,319,584,000		755,762,000	623,000	280,668,000
7	June	-	-	3,074,162,000	3,000	6,350,155,000		759,296,000	623,000	281,341,000
8	July	-	-	3,085,110,000	3,000	6,379,742,000		762,946,000	623,000	287,458,000
9	August	-	-	3,087,809,000	3,000	6,408,967,000		774,568,000	623,000	293,553,000
10	September	-	-	3,090,491,000	3,000	6,442,264,000		778,103,000	623,000	296,234,000
11	October	-	-	3,120,151,000	3,000	6,471,502,000		781,608,000	623,000	302,309,000
12	November	-	-	3,154,806,000	3,000	6,502,872,000		785,001,000	623,000	308,405,000
13	December of Rate Year	-	-	3,207,862,000	3,000	6,542,680,000		788,236,000	623,000	302,319,000
14	Average of the 13 Monthly Balances	-	-	3,081,050,923	3,000	6,351,560,846	-	762,463,000	623,000	283,569,462

		Accumulated Depreciation								
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, lns 20-24, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, ln 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, ln 26, Col. (b)	Company Records (Included in total in Column (f))	FF1, page 219, ln 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, ln 21, Col. (b)
15	December Prior to Rate Year	-	-	888,009,000	3,000	1,788,101,000		135,561,000	332,000	110,151,000
16	January	-	-	890,521,000	3,000	1,800,502,000		136,875,000	334,000	113,976,000
17	February	-	-	892,805,000	3,000	1,808,363,000		138,201,000	336,000	117,903,000
18	March	-	-	895,091,000	3,000	1,816,298,000		139,536,000	338,000	114,698,000
19	April	-	-	897,410,000	3,000	1,824,317,000		140,879,000	340,000	118,711,000
20	May	-	-	899,734,000	3,000	1,832,419,000		142,231,000	342,000	122,825,000
21	June	-	-	902,102,000	3,000	1,840,614,000		143,594,000	345,000	121,586,000
22	July	-	-	904,472,000	3,000	1,848,896,000		144,966,000	347,000	125,818,000
23	August	-	-	906,864,000	3,000	1,857,262,000		146,347,000	349,000	130,153,000
24	September	-	-	909,261,000	3,000	1,865,712,000		147,752,000	351,000	131,181,000
25	October	-	-	911,662,000	3,000	1,874,257,000		149,165,000	353,000	135,664,000
26	November	-	-	914,120,000	3,000	1,882,889,000		150,587,000	355,000	140,250,000
27	December of Rate Year	-	-	916,668,000	3,000	1,891,606,000		152,017,000	357,000	132,865,000
28	Average of the 13 Monthly Balances	-	-	902,209,154	3,000	1,840,864,308	-	143,670,077	344,538	124,290,846

Line No	Month (a) (Note A)	OATT Ancillary Services (GSU) Plant In Service (b) Company Records (included in total in column (d) of gross plant above)	OATT Ancillary Services (GSU) Accumulated Depreciation (c) Company Records (included in total in column (b) of accumulated depreciation above)	Excluded Plant - Plant In Service (d) Company Records	Excluded Plant - Accumulated Depreciation (e) 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		902,209,154

	Plant Held For Future Use (a)	Source of Data (b)	Balance @ December 31, 2022 (c)	Balance @ December 31, 2021 (d)	Average Balance for 2022 (e)
44	**Plant Held For Future Use**	FF1, page 214, ln 47, Col. (d)	4,810,000	4,810,000	4,810,000
45	**Transmission Plant Held For Future Use (Included in total on line 44)**	Company Records - Note 1	2,525,000	2,525,000	2,525,000

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)

52	Description	Account			
53a	Accum Prv I/D Worker's Com	2280003	77,000	77,000	77,000
53b	Accm Prv I/D - Asbestos - Curr	2282011	58,000	58,000	58,000
53c	Accm Prv I/D - Asbestos	2282012	566,000	566,000	566,000
54		Total	701,000	701,000	701,000

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

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

	(A)	(B)	(C)	(D)	(E)
Line Number	**Description**	**Source**	**Balance @ December 31, 2022**	**Balance @ December 31, 2021**	**Average Balance for 2022**
1	**Account 281**				
2	Year End Utility Deferrals	FF1, p. 272 - 273, ln 8, Col. (k)	-	-	-
3	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 4 (Note 1)	-	-	-
4	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 3 (Note 1)	-	-	-
5	Transmission Related Deferrals	Ln 2 - ln 3 - ln 4	-	-	-
6	**Account 282**				
7	Year End Utility Deferrals	FF1, p. 274 - 275, ln 5, Col. (k)	1,496,641,000	1,439,903,000	1,468,272,000
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	477,000	477,000	477,000
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	1,029,923,000	981,494,000	1,005,708,500
10	Transmission Related Deferrals	Ln 7 - ln 8 - ln 9	466,241,000	457,932,000	462,086,500
11	**Account 283**				
12	Year End Utility Deferrals	FF1, p. 276 - 277, ln 9, Col. (k)	152,340,000	148,448,000	150,394,000
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	-	-	-
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	124,780,000	121,337,000	123,058,500
15	Transmission Related Deferrals	Ln 12 - ln 13 - ln 14	27,560,000	27,111,000	27,335,500
16	**Account 190**				
17	Year End Utility Deferrals	FF1, p. 234, ln 8, Col. (c)	84,731,000	88,322,000	86,526,500
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	388,000	388,000	388,000
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	85,778,000	89,432,000	87,605,000
20	Transmission Related Deferrals	Ln 17 - ln 18 - ln 19	(1,435,000)	(1,497,000)	(1,466,500)
21	**Account 255**				
22	Year End ITC Balances	FF1, p. 266-267, ln 8, Col. (h)	-	-	-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable Ratebase	Ln 22 - ln 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section I.I67(l)-I(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.

Ohio Power Company
SPECIFIED DEFERRED CREDITS - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2022

(DEBIT) CREDIT

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2021			FUNCTIONALIZATION 12/31/2022		
	ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2022	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2022	ELECTRIC UTILITY (B+C+D+E)/2	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1.00	ACCOUNT 281:														
2.01															
2.02		0	0			0	0	0	0						
2.03															
2.04		0	0	0	0	0									
2.05		0	0	0	0	0									
2.06		0	0	0	0	0									
3	TOTAL ACCOUNT 281	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ACCOUNT 281 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	ACCOUNT 282:														
5.01		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						
5.08		0	0			0	0	0	0						
5.09		0	0			0	0	0	0						
5.10		0	0			0	0	0	0						
5.38		0	0			0	0	0	0						
5.39				0	0	0									
5.40				0	0	0									
5.41				0	0	0									
6	TOTAL ACCOUNT 282	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	ACCOUNT 282 - ARO-Related Deferals	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									
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 Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	JURISDICTIONAL AMOUNTS FUNCTIONALIZED														
15	TOTAL COMPANY AMOUNTS FUNCTIONALIZED														
16	REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANT														
17	NOTE: POST 1970 ACCUMULATED DEFERRED														
18	INV TAX CRED. (JDITC) IN A/C 255														
18.01		0	0			0	0	0	0						
18.02		0	0			0	0	0	0						
19															
20	TOTAL ACCOUNT 255	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ohio Power Company
ACCUMULATED DEFERRED INCOME TAX IN ACCOUNT 190 - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2022

DEBIT (CREDIT)

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2021			FUNCTIONALIZATION 12/31/2022		
	ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2022	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2022	ELECTRIC UTILITY (B+C+D+E)/2	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1	ACCOUNT 190:														
2.01		0	0			0	0	0	0						
2.02		0	0			0	0	0	0						
2.03		0	0			0	0	0	0						
2.04		0	0			0	0	0	0						
2.05		0	0			0	0	0	0						
2.06		0	0			0	0	0	0						
2.07		0	0			0	0	0	0						
2.08		0	0			0	0	0	0						
2.09		0	0			0	0	0	0						
2.10		0	0			0	0	0	0						
2.79		0	0			0	0	0	0						
2.80				0	0	0									
2.81				0	0	0									
2.82				0	0	0									
2.83				0	0	0									
2.84				0	0	0									
2.85				0	0	0									
2.86				0	0	0									
2.87				0	0	0									
2.88				0	0	0									
2.89				0	0	0									
2.90				0	0	0	0	0	0						
2.91		0	0			0	0	0	0						
3	TOTAL ACCOUNT 190	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ACCOUNT 190 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OHIO POWER COMPANY, INC.
Worksheet B-3
Excess/ Deficient ADIT Worksheet for Total Company and Functional Balances
For Year Ended December 31, 2022
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

Line No.	Account	Description of Account	Protected Unprotected	Tax Rate Change Act
	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 to formula, the information for excess and deficient ADIT is also presented for both total company and the transmission functi transmission functional summary.

NOTE A	In order to ensure ratebase neutrality, AEP utilizes the fourth digit of its seven digit FERC Tax subaccount num 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 requireme balance, which will ensure that in the formula rate the excess or deficiency amounts will be part of ratebase, b The amounts recorded in the "4" accounts will be offset on a net basis in the regulatory asset or liability subac
NOTE B:	The amount of the FIT gross up to recorded on regulatory assets and liabilities will be reported on the first line
NOTE C:	The amounts of the remeasurement shown here are as of the effective date of the change in tax rates and will
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 Trans 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 de and 6 is the offset recorded to the 410/411 account and will tie to the total company and transmission function service.

F	G	H	I	J
			1/1/2022 Beginning Balances	
Excess Balance at Remeasurement (NOTE C)	**Amortization Methodology (NOTE D)**	**Amotization Period**	**Excess ADIT Regulatory Offset**	**Excess ADIT in Utility Deferrals**
(344,594,481)	**ARAM**	**Life of Asset**		
(150,814,921)	**10 Years**	**1/2018 - 12/2027**		
(31,309,465)	**10 Years**	**1/2018 - 12/2027**		
			0	-
(123,296,457)	**ARAM**	**Life of Asset**		
(36,241,536)	**10 Years**	**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

nbers 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.

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

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

ebit 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

K	L	M	N	O	P
					Sum of Co
					-
					-
					-
					-
					-
					-
-	-	-	-	-	-

NOTE F

Q	R
ıding Balance	
Excess ADIT in Utility Deferrals	**Reference**
ɔls (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)
-	
ɔls (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

Materials & Supplies

Line Number	(A)	(B)	(C) Source	(D) Balance @ December 31, 2022	(E) Balance @ December 31, 2021	(F) Average Balance for 2022	(G)	(H)	(I)
1									
2		Transmission Materials & Supplies	FF1, p. 227, ln 8, Col. (c) & (b)	3,844,000	3,844,000	3,844,000			
3		General Materials & Supplies	FF1, p. 227, ln 11, Col. (c) & (b)	297,000	297,000	297,000			
4		Stores Expense (Undistributed) - Account 163	FF1, p. 227, ln 16, Col. (c) & (b)			-			

Prepayment Balance Summary (Note 1)

Line		Average of YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)
5							
6	Totals as of December 31, 2022	(3,908,000)	(251,365,000)	0	(1,919,000)	249,376,000	247,457,000
7	Totals as of December 31, 2021	7,137,000	(247,044,000)		3,506,000	250,675,000	254,181,000
8	**Average Balance**	1,614,500	(249,204,500)	-	793,500	250,025,500	250,819,000

Prepayments Account 165 - Balance @ 12/31/2022

9	Acc. No.	Description	2022 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
10	1650001	Prepaid Insurance	(858,000)	-		(858,000)		(858,000)	Plant Related Insurance Policies
11	1650003	Prepaid Rents	0	-				-	
12	1650004	Prepaid Interest	0	-				-	
13	1650005	Prepaid Employee Benefits	0	-				-	
14	1650006	Other Prepayments	(419,000)	(419,000)				-	Distribution
15	1650009	Prepaid Carry Cost-Factored AR	(430,000)	(430,000)				-	AR Factoring - Retail Only
16	1650010	Prepaid Pension Benefits	162,595,000	-			162,595,000	162,595,000	Prepaid Pension Expense
17	165001220	Prepaid Use Taxes	(87,000)	(87,000)				-	Prepaid Taxes-Distribution
18	1650013	Gavin JMG ST Prepaid Exp - Aff	0	-				-	
19	1650014	FAS 158 Qual Contra Asset	(162,595,000)	(162,595,000)				-	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	(1,061,000)	-		(1,061,000)		(1,061,000)	Energy EIS Services
25	1650023	Prepaid Lease	(206,000)	(206,000)				-	
26	1650030	Other Prepayments-Long Term	(847,000)	(847,000)				-	Other - Distribution
27	1650035	PRW Without Med-D Benefits	86,781,000	-			86,781,000	86,781,000	Prepaid Pension Expense
28	1650036	PRW for Med-D Benefits	0	-					
29	1650037	FAS158 Contra-PRW Exc Med-D	(86,781,000)	(86,781,000)	-			-	FAS 158 Liability
30									
		Subtotal - Form 1, p 111.57.c	(3,908,000)	(251,365,000)	0	(1,919,000)	249,376,000	247,457,000	

Prepayments Account 165 - Balance @ 12/31/ 2021

31	Acc. No.	Description	2021 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
32	1650001	Prepaid Insurance	1,568,000	-		1,568,000		1,568,000	Plant Related Insurance Policies
33	1650003	Prepaid Rents	0	-				-	
34	1650004	Prepaid Interest	0	-				-	
35	1650005	Prepaid Employee Benefits	0	-				-	
36	1650006	Other Prepayments	765,000	765,000				-	Distribution
37	1650009	Prepaid Carry Cost-Factored AR	785,000	785,000				-	AR Factoring - Retail Only
38	1650010	Prepaid Pension Benefits	173,638,000	-			173,638,000	173,638,000	Prepaid Pension Expense
39	165001220	Prepaid Use Taxes	158,000	158,000				-	Prepaid Taxes-Distribution
40	1650013	Gavin JMG ST Prepaid Exp - Aff	0	-				-	
41	1650014	FAS 158 Qual Contra Asset	(173,638,000)	(173,638,000)				-	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	1,938,000	-		1,938,000		1,938,000	Energy EIS Services
47	1650023	Prepaid Lease	376,000	376,000				-	
48	1650030	Other Prepayments-Long Term	1,547,000	1,547,000				-	Other - Distribution
49	1650035	PRW Without Med-D Benefits	77,037,000	-			77,037,000	77,037,000	Prepaid Pension Expense
50	1650036	PRW for Med-D Benefits	0	-					
51	1650037	FAS158 Contra-PRW Exc Med-D	(77,037,000)	(77,037,000)	-			-	FAS 158 Liability
52									
		Subtotal - Form 1, p 111.57.d	7,137,000	(247,044,000)		3,506,000	250,675,000	254,181,000	

Note 1: Prepayment Balance will not include: (i) federal and state income tax payments made to offset additional tax liabilities resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; (ii) outstanding income tax refunds due to 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

Line Number	**(A) Description**	**(B) 2022**
1	Net Funds from IPP Customers 12/31/2021 (2022 FORM 1, P269)	0
2	Interest Accrual (Company Records - Note 1)	0
3	Revenue Credits to Generators (Company Records - Note 1)	
4	Other Adjustments	
5	Accounting Adjustment (Company Records - Note 1)	
6		-
7	Net Funds from IPP Customers 12/31/2022 (2022 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

Line Number	Description	Total Company	Non-Transmission	Transmission
1	**Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)**	2,400,000	2,400,000	-
2	**Account 451,Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)**	8,400,000	8,226,000	174,000
3	**Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)**	47,797,000	35,385,000	12,412,000
4	**Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)**	4,187,000	3,646,000	541,000
5	**Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)**	90,139,000	90,048,000	91,000
5a	**Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)**		-	
5b	**Account 457.2, Miscellaneous Revenues (FF1p.300.24.(b); Company Records - Note 1)**		-	
6	**Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))**	152,923,000	139,705,000	13,218,000
7	**Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)**		-	
8	**Total Other Operating Revenues To Reduce Revenue Requirement**	152,923,000	139,705,000	13,218,000

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**			6,097,445

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

Line Number	(A) Item No.	(B) Description	(C) 2022 Expense	(D) 100% Non-Transmission	(E) 100% Transmission Specific	(F) Explanation
		Regulatory O&M Deferrals & Amortizations				
1	5660005	Ohio Transmn Rider Under/Recovery	(5,740,000)			
2						
3						
4		**Total**	(5,740,000)			
		Detail of Account 561 Per FERC Form 1				
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	450,000			
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	298,000			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	408,000			
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**	1,156,000			
		Account 928				
15	9280000	Regulatory Commission Exp	4,000	4,000	-	
16	9280001	Regulatory Commission Exp-Adm	-	-	-	
17	9280002	Regulatory Commission Exp-Case	725,000	725,000	-	
18	9280005	Reg Com Exp-FERC Trans Cases	22,000	-	22,000	
19						
20		**Total (FERC Form 1 p.323.189.b)**	751,000	729,000	22,000	
		Account 930.1				
21	9301000	General Advertising Expenses	50,000	50,000	-	
22	9301001	Newspaper Advertising Space	1,000	1,000	-	
23	9301006	Spec Corporate Comm Info Proj	-	-	-	
24	9301007	Special Adv Space & Prod Exp	54,000	54,000	-	
25	9301009	Fairs, Shows, and Exhibits	-	-	-	
26	9301010	Publicity	-	-	-	
27	9301011	Dedications, Tours, & Openings	7,000	7,000	-	
28	9301012	Public Opinion Surveys	-	-	-	
29	9301015	Other Corporate Comm Exp	142,000	142,000	-	
30				-	-	
31				-	-	
32				-	-	
33				-	-	
34				-	-	
35				-	-	
36				-	-	
37		**Total (FERC Form 1 p.323.191.b)**	254,000	254,000	-	
		Account 930.2				
38	9302000	Misc General Expenses	5,043,000	5,043,000		
39	9302003	Corporate & Fiscal Expenses	316,000	316,000		
40	9302004	Research, Develop&Demonstr Exp	1,000	1,000		
41	9302006	Assoc Business Development Materials Sold	-	-	-	
42	9302007	Assoc Business Development Exp	3,252,000	2,603,000	649,000	
43		**Total (FERC Form 1 p.323.192.b)**	8,612,000	7,963,000	649,000	

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	0.3071%	
Effective State Tax Rate		0.02%
Illinois Corporation Income Tax	9.5000%	
Apportionment Factor - Note 2	0.4000%	
Effective State Tax Rate		0.04%
Michigan Business Income Tax	6.0000%	
Apportionment Factor - Note 2	0.0000%	
Effective State Tax Rate		0.00%
Kentucky Business Income Tax	5.0000%	
Apportionment Factor - Note 2	0.1000%	
Effective State Tax Rate		0.01%
Ohio Municipal Net Income Tax	1.9100%	
Apportionment Factor - Note 2	57.6000%	
Effective State Tax Rate		1.10%
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		1.1632%

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	155,385,000				155,385,000
3	**Real Estate and Personal Property Taxes**					
4	Real and Personal Property - Ohio	350,846,000	350,846,000			
5	Real and Personal Property - Other Jurisdictions	1,094,000	1,094,000			
6	Real and Personal Property - Tennessee	(3,000)	(3,000)			
7	Real and Personal Property - Other Jurisdictions	-	-			
8	**Payroll Taxes**					
9	Federal Insurance Contribution (FICA)	6,726,000		6,726,000		
10	Federal Unemployment Tax	12,000		12,000		
11	State Unemployment Insurance	40,000		40,000		
12	**Production Taxes**					
13	State Severance Taxes	-				-
14	**Miscellaneous Taxes**					
15	State Business & Occupation Tax	-				-
16	State Public Service Commission Fees	5,100,000			5,100,000	
17	State Franchise Taxes	2,000			2,000	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	(1,000)				(1,000)
21	Federal Excise Tax	-				-
22	Michigan Single Business Tax	-				-
23						
24	Total Taxes by Allocable Basis	519,201,000	351,937,000	6,778,000	5,102,000	155,384,000

(Total Company Amount Ties to FFI p.114, Ln 14,(c))
NOTE 1: The detail of each total company number and its source in the FERC Form 1 is shown on WS H-1.

Functional Property Tax Allocation

Line No.		Production	Transmsission	Distribution	General	Total
25	Functionalized Net Plant (TCOS, Lns 41 thru 46)	-	2,178,841,769	4,510,696,538	618,514,462	7,308,052,769
	OHIO JURISDICTION					
26	Percentage of Plant in OHIO JURISDICTION	0.00%	96.15%	100.00%	99.18%	
27	Net Plant in OHIO JURISDICTION (Ln 25 * Ln 26)	-	2,095,028,784	4,510,538,030	613,443,693	7,219,010,507
28	Less: Net Value of Exempted Generation Plant	-				
29	Taxable Property Basis (Ln 27 - Ln 28)	-	2,095,028,784	4,510,538,030	613,443,693	7,219,010,507
30	Relative Valuation Factor	24.00%	85.00%	85.00%	24.00%	
31	Weighted Net Plant (Ln 29 * Ln 30)	-	1,780,774,466	3,833,957,325	147,226,486	
32	General Plant Allocator (Ln 31 / (Total - General Plant))	0.00%	31.72%	68.28%	-100.00%	
33	Functionalized General Plant (Ln 32 * General Plant)	-	46,694,513	100,531,973	(147,226,486)	-
34	Weighted OHIO JURISDICTION Plant (Ln 31 + 33)	-	1,827,468,980	3,934,489,298	0	5,761,958,278
35	Functional Percentage (Ln 34/Total Ln 34)	0.00%	31.72%	68.28%		
	WEST VA JURISDICTION					
36	Net Plant in WEST VA JURISDICTION (Ln 25 - Ln 27)	-	83,812,985	158,509	5,070,768	89,042,262
37	Less: Net Value of Exempted Generation Plant	-				
38	Taxable Property Basis (Ln 36 - Ln 37)	-	83,812,985	158,509	5,070,768	89,042,262
39	Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
40	Weighted Net Plant (Ln 38 * Ln 39)	-	83,812,985	158,509	5,070,768	
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)	-	5,061,197	9,572	(5,070,768)	-
43	Weighted WEST VA JURISDICTION Plant (Ln 40 + 42)	-	88,874,182	168,081	0	89,042,262
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

	(A)	(B)	(C)	(D)
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference
1	**Revenue Taxes**			
2	Gross Receipts Tax	155,385,000	155,385,000	

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Real Estate and Personal Propety Tax Detail Annual Tax Expenses by Type (Note 1)	Tax Year	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference	Tax Year Factor (Note 2)	Transmission Function (Note 2)
3	**Real Estate and Personal Property Taxes Total (Ln 4 + Ln 5 + Ln 6 + Ln 7)**		**351,937,000**				**111,610,221**
4	Real and Personal Property - Ohio		350,846,000				111,274,700
		2021		350,846,000		31.72%	111,274,700
							-
							-
							-
							-
5	Real and Personal Property - W VA		1,094,000				335,521
		2021		1,094,000		30.67%	335,521
							-
							-
							-
							-
							-
							-
							-
							-
6	Real and Personal Property - Other		(3,000)				-
				(3,000)			-
							-
							-
							-
							-
			-				-
7	Real and Personal Property - Other Jurisdictions			-			-
							-
							-

	(A)	(B)	(C)	(D)
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference
8	**Payroll Taxes**			
9	Federal Insurance Contribution (FICA)	6,726,000	6,726,000	
10	Federal Unemployment Tax	12,000	12,000	
11	State Unemployment Insurance	40,000	40,000	
12	**Production Taxes**	-		
13	State Severance Taxes		-	
14	**Miscellaneous Taxes**			
15	State Business & Occupation Tax	-	-	
16	State Public Service Commission Fees	5,100,000	5,100,000	
17	State Franchise Taxes	2,000	2,000	
18	State Lic/Registration Fee	-	-	
19	Misc. State and Local Tax	-	-	
20	Sales & Use	(1,000)	(1,000)	
21	Federal Excise Tax	-	-	
22	Michigan Single Business Tax	-	-	
23	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14,(c))	519,201,000	519,201,000	

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 assesed. 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 2022 FF1 Balances
Worksheet I RESERVED FOR FUTURE USE
Ohio Power Company

AEP East Companies
Cost of Service Formula Rate Using 2022 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 through156)			
	%	Cost	Weighted cost
Long Term Debt	52.06%	3.86%	2.007%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	47.94%	10.35%	4.962%
		R =	6.969%

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS		Rev Require	W Incentives	Incentive Amounts
PROJECTED YEAR	2022	9,365,691	9,365,691	$ -

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

Rate Base (TCOS, ln 68)	1,829,661,331
R (from A. above)	6.969%
Return (Rate Base x R)	127,513,020

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

Return (from B. above)	127,513,020
Effective Tax Rate (TCOS, ln 114)	19.99%
Income Tax Calculation (Return x CIT)	25,485,197
ITC Adjustment	(393)
Excess Deferred Income Tax	(9,496,540)
Tax Affect of Permanent Differences	706,958
Income Taxes	16,695,222

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)	386,169,085
Lease Payments (TCOS, Ln 95)	2,741,000
Return (TCOS, ln 126)	127,513,020
Income Taxes (TCOS, ln 125)	16,695,222
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	239,219,842

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

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	239,219,842
Return (from I.B. above)	127,513,020
Income Taxes (from I.C. above)	16,695,222
Annual Revenue Requirement, with Basis Point ROE increase	383,428,085
Depreciation (TCOS, ln 100)	69,546,000
Annual Rev. Req, w/ Basis Point ROE increase, less Depreciation	313,882,085

C. Determine FCR with hypothetical basis point ROE increase.

Net Transmission Plant (TCOS, ln 42)	2,178,841,769
Annual Revenue Requirement, with Basis Point ROE increase	383,428,085
FCR with Basis Point increase in ROE	17.60%
Annual Rev. Req, w / Basis Point ROE increase, less Dep.	313,882,085
FCR with Basis Point ROE increase, less Depreciation	14.41%
FCR less Depreciation (TCOS, ln 10)	14.41%
Incremental FCR with Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2022 (TCOS, ln 21)	3,081,050,923
Annual Depreciation and Amortization Expense (TCOS, ln 100)	69,546,000
Composite Depreciation Rate	2.26%
Depreciable Life for Composite Depreciation Rate	44.30
Round to nearest whole year	44

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	**686,013**
Current Projected Year ARR w/ Incentive	**686,013**
Current Projected Year Incentive ARR	**-**

Details			
Investment	5,559,037	Current Year	**2022**
Service Year (yyyy)	2009	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	3	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
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	888,761	####### #######	$ -
2010	5,464,281	126,342	5,337,939	904,421	904,421	$ -
2011	5,337,939	126,342	5,211,597	886,220	886,220	$ -
2012	5,211,597	126,342	5,085,255	868,020	868,020	$ -
2013	5,085,255	126,342	4,958,914	849,819	849,819	$ -
2014	4,958,914	126,342	4,832,572	831,618	831,618	$ -
2015	4,832,572	126,342	4,706,230	813,418	813,418	$ -
2016	4,706,230	126,342	4,579,888	795,217	795,217	$ -
2017	4,579,888	126,342	4,453,547	777,016	777,016	$ -
2018	4,453,547	126,342	4,327,205	758,816	758,816	$ -
2019	4,327,205	126,342	4,200,863	740,615	740,615	$ -
2020	4,200,863	126,342	4,074,521	722,414	722,414	$ -
2021	4,074,521	126,342	3,948,180	704,213	704,213	$ -
2022	3,948,180	126,342	3,821,838	686,013	686,013	$ -
2023	3,821,838	126,342	3,695,496	667,812	667,812	$ -
2024	3,695,496	126,342	3,569,154	649,611	649,611	$ -
2025	3,569,154	126,342	3,442,813	631,411	631,411	$ -
2026	3,442,813	126,342	3,316,471	613,210	613,210	$ -
2027	3,316,471	126,342	3,190,129	595,009	595,009	$ -
2028	3,190,129	126,342	3,063,787	576,809	576,809	$ -
2029	3,063,787	126,342	2,937,446	558,608	558,608	$ -
2030	2,937,446	126,342	2,811,104	540,407	540,407	$ -
2031	2,811,104	126,342	2,684,762	522,207	522,207	$ -
2032	2,684,762	126,342	2,558,420	504,006	504,006	$ -
2033	2,558,420	126,342	2,432,079	485,805	485,805	$ -
2034	2,432,079	126,342	2,305,737	467,605	467,605	$ -
2035	2,305,737	126,342	2,179,395	449,404	449,404	$ -
2036	2,179,395	126,342	2,053,053	431,203	431,203	$ -
2037	2,053,053	126,342	1,926,712	413,003	413,003	$ -
2038	1,926,712	126,342	1,800,370	394,802	394,802	$ -
2039	1,800,370	126,342	1,674,028	376,601	376,601	$ -
2040	1,674,028	126,342	1,547,686	358,400	358,400	$ -
2041	1,547,686	126,342	1,421,345	340,200	340,200	$ -
2042	1,421,345	126,342	1,295,003	321,999	321,999	$ -
2043	1,295,003	126,342	1,168,661	303,798	303,798	$ -
2044	1,168,661	126,342	1,042,319	285,598	285,598	$ -
2045	1,042,319	126,342	915,978	267,397	267,397	$ -
2046	915,978	126,342	789,636	249,196	249,196	$ -
2047	789,636	126,342	663,294	230,996	230,996	$ -
2048	663,294	126,342	536,952	212,795	212,795	$ -
2049	536,952	126,342	410,611	194,594	194,594	$ -
2050	410,611	126,342	284,269	176,394	176,394	$ -
2051	284,269	126,342	157,927	158,193	158,193	$ -
2052	157,927	126,342	31,585	139,992	139,992	$ -
2053	31,585	31,585	-	33,861	33,861	$ -
2054	-	-	-	-	-	$ -
2055	-	-	-	-	-	$ -
2056	-	-	-		-	$ -
2057	-	-	-	-	-	$ -
2058	-	-	-	-	-	$ -
2059	-	-	-	-	-	$ -
2060	-	-	-	-	-	$ -
2061	-	-	-	-	-	$ -
2062	-	-	-	-	-	$ -
2063	-	-	-	-	-	$ -
2064	-	-	-	-	-	$ -
2065	-	-	-	-	-	$ -
2066	-	-	-	-	-	$ -
2067	-	-	-	-	-	$ -
2068	-	-	-	-	-	$ -
Project Totals				23,377,507	23,377,507	-

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		

** 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

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

A. Base Plan Facilities

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

Current Projected Year ARR	**884,126**
Current Projected Year ARR w/ Incentive	**884,126**
Current Projected Year Incentive ARR	-

Project Description: **RTEP ID: B1231 (Replace the existing 138/69-12 kV transformer at West Moulton Station with a 138/69 kV transformer and a 69/12 kV transformer)**

Details			
Investment	6,529,259	Current Year	2022
Service Year (yyyy)	2012	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	148,392

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2012	6,529,259	12,366	6,516,893	952,075	####### #######	$ -	$ 832,082		$ 832,082		
2013	6,516,893	148,392	6,368,501	1,076,522	1,076,522	$ -	$ 1,210,587		$ 1,210,587		
2014	6,368,501	148,392	6,220,108	1,055,144	1,055,144	$ -	$ 1,247,628		$ 1,247,628		
2015	6,220,108	148,392	6,071,716	1,033,767	1,033,767	$ -	$ 1,279,512		$ 1,279,512		
2016	6,071,716	148,392	5,923,324	1,012,390	1,012,390	$ -	$ 1,233,365		$ 1,233,365		
2017	5,923,324	148,392	5,774,932	991,013	991,013	$ -	$ 1,245,646		$ 1,245,646		
2018	5,774,932	148,392	5,626,539	969,635	969,635	$ -	$ 1,010,825		$ 1,010,825		
2019	5,626,539	148,392	5,478,147	948,258	948,258	$ -	$ 982,301		$ 982,301		
2020	5,478,147	148,392	5,329,755	926,881	926,881	$ -	$ 945,781		$ 945,781		
2021	5,329,755	148,392	5,181,363	905,504	905,504	$ -	$ 901,778		$ 901,778		
2022	5,181,363	148,392	5,032,970	884,126	884,126	$ -					
2023	5,032,970	148,392	4,884,578	862,749	862,749	$ -					
2024	4,884,578	148,392	4,736,186	841,372	841,372	$ -					
2025	4,736,186	148,392	4,587,794	819,995	819,995	$ -					
2026	4,587,794	148,392	4,439,401	798,617	798,617	$ -					
2027	4,439,401	148,392	4,291,009	777,240	777,240	$ -					
2028	4,291,009	148,392	4,142,617	755,863	755,863	$ -					
2029	4,142,617	148,392	3,994,225	734,485	734,485	$ -					
2030	3,994,225	148,392	3,845,832	713,108	713,108	$ -					
2031	3,845,832	148,392	3,697,440	691,731	691,731	$ -					
2032	3,697,440	148,392	3,549,048	670,354	670,354	$ -					
2033	3,549,048	148,392	3,400,656	648,976	648,976	$ -					
2034	3,400,656	148,392	3,252,263	627,599	627,599	$ -					
2035	3,252,263	148,392	3,103,871	606,222	606,222	$ -					
2036	3,103,871	148,392	2,955,479	584,845	584,845	$ -					
2037	2,955,479	148,392	2,807,087	563,467	563,467	$ -					
2038	2,807,087	148,392	2,658,694	542,090	542,090	$ -					
2039	2,658,694	148,392	2,510,302	520,713	520,713	$ -					
2040	2,510,302	148,392	2,361,910	499,336	499,336	$ -					
2041	2,361,910	148,392	2,213,518	477,958	477,958	$ -					
2042	2,213,518	148,392	2,065,125	456,581	456,581	$ -					
2043	2,065,125	148,392	1,916,733	435,204	435,204	$ -					
2044	1,916,733	148,392	1,768,341	413,827	413,827	$ -					
2045	1,768,341	148,392	1,619,949	392,449	392,449	$ -					
2046	1,619,949	148,392	1,471,556	371,072	371,072	$ -					
2047	1,471,556	148,392	1,323,164	349,695	349,695	$ -					
2048	1,323,164	148,392	1,174,772	328,318	328,318	$ -					
2049	1,174,772	148,392	1,026,380	306,940	306,940	$ -					
2050	1,026,380	148,392	877,987	285,563	285,563	$ -					
2051	877,987	148,392	729,595	264,186	264,186	$ -					
2052	729,595	148,392	581,203	242,808	242,808	$ -					
2053	581,203	148,392	432,811	221,431	221,431	$ -					
2054	432,811	148,392	284,418	200,054	200,054	$ -					
2055	284,418	148,392	136,026	178,677	178,677	$ -					
2056	136,026	136,026	-	145,824	145,824	$ -					
2057	-	-	-	-	-	$ -					
2058	-	-	-	-	-	$ -					
2059	-	-	-	-	-	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
Project Totals				28,084,664	28,084,664	-					

** 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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	**169,246**
Current Projected Year ARR w/ Incentive	**169,246**
Current Projected Year Incentive ARR	-

Details			
Investment	1,232,494	Current Year	**2022**
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	28,011

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2013	1,232,494	14,006	1,218,489	190,549	####### #######	$ -	$ 219,263		$ 219,263		
2014	1,218,489	28,011	1,190,477	201,528	201,528	$ -	$ 203,042		$ 203,042		
2015	1,190,477	28,011	1,162,466	197,493	197,493	$ -	$ 228,159		$ 228,159		
2016	1,162,466	28,011	1,134,455	193,457	193,457	$ -	$ 81,330		$ 81,330		
2017	1,134,455	28,011	1,106,444	189,422	189,422	$ -	$ 222,274		$ 222,274		
2018	1,106,444	28,011	1,078,432	185,387	185,387	$ -	$ 147,062		$ 147,062		
2019	1,078,432	28,011	1,050,421	181,352	181,352	$ -	$ 142,952		$ 142,952		
2020	1,050,421	28,011	1,022,410	177,316	177,316	$ -	$ 137,674		$ 137,674		
2021	1,022,410	28,011	994,399	173,281	173,281	$ -	$ 172,566		$ 172,566		
2022	994,399	28,011	966,388	169,246	169,246	$ -					
2023	966,388	28,011	938,376	165,211	165,211	$ -					
2024	938,376	28,011	910,365	161,175	161,175	$ -					
2025	910,365	28,011	882,354	157,140	157,140	$ -					
2026	882,354	28,011	854,343	153,105	153,105	$ -					
2027	854,343	28,011	826,331	149,069	149,069	$ -					
2028	826,331	28,011	798,320	145,034	145,034	$ -					
2029	798,320	28,011	770,309	140,999	140,999	$ -					
2030	770,309	28,011	742,298	136,964	136,964	$ -					
2031	742,298	28,011	714,286	132,928	132,928	$ -					
2032	714,286	28,011	686,275	128,893	128,893	$ -					
2033	686,275	28,011	658,264	124,858	124,858	$ -					
2034	658,264	28,011	630,253	120,823	120,823	$ -					
2035	630,253	28,011	602,242	116,787	116,787	$ -					
2036	602,242	28,011	574,230	112,752	112,752	$ -					
2037	574,230	28,011	546,219	108,717	108,717	$ -					
2038	546,219	28,011	518,208	104,681	104,681	$ -					
2039	518,208	28,011	490,197	100,646	100,646	$ -					
2040	490,197	28,011	462,185	96,611	96,611	$ -					
2041	462,185	28,011	434,174	92,576	92,576	$ -					
2042	434,174	28,011	406,163	88,540	88,540	$ -					
2043	406,163	28,011	378,152	84,505	84,505	$ -					
2044	378,152	28,011	350,140	80,470	80,470	$ -					
2045	350,140	28,011	322,129	76,435	76,435	$ -					
2046	322,129	28,011	294,118	72,399	72,399	$ -					
2047	294,118	28,011	266,107	68,364	68,364	$ -					
2048	266,107	28,011	238,095	64,329	64,329	$ -					
2049	238,095	28,011	210,084	60,293	60,293	$ -					
2050	210,084	28,011	182,073	56,258	56,258	$ -					
2051	182,073	28,011	154,062	52,223	52,223	$ -					
2052	154,062	28,011	126,051	48,188	48,188	$ -					
2053	126,051	28,011	98,039	44,152	44,152	$ -					
2054	98,039	28,011	70,028	40,117	40,117	$ -					
2055	70,028	28,011	42,017	36,082	36,082	$ -					
2056	42,017	28,011	14,006	32,047	32,047	$ -					
2057	14,006	14,006	-	15,014	15,014	$ -					
2058	-	-	-	-	-	$ -					
2059	-	-	-	-	-	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
Project Totals				5,227,416	5,227,416	-					

** 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

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	**791,287**
Current Projected Year ARR w/ Incentive	**791,287**
Current Projected Year Incentive ARR	**-**

Details			
Investment	5,705,686	Current Year	**2022**
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	129,675

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2013	5,705,686	10,806	5,694,880	831,984	####### #######	$ -	$ 528,784		$ 528,784		
2014	5,694,880	129,675	5,565,205	940,734	940,734	$ -	$ 1,017,894		$ 1,017,894		
2015	5,565,205	129,675	5,435,530	922,053	922,053	$ -	$ 953,651		$ 953,651		
2016	5,435,530	129,675	5,305,856	903,372	903,372	$ -	$ 919,468		$ 919,468		
2017	5,305,856	129,675	5,176,181	884,691	884,691	$ -	$ 929,340		$ 929,340		
2018	5,176,181	129,675	5,046,506	866,010	866,010	$ -	$ 902,942		$ 902,942		
2019	5,046,506	129,675	4,916,832	847,330	847,330	$ -	$ 877,873		$ 877,873		
2020	4,916,832	129,675	4,787,157	828,649	828,649	$ -	$ 845,618		$ 845,618		
2021	4,787,157	129,675	4,657,482	809,968	809,968	$ -	$ 806,620		$ 806,620		
2022	4,657,482	129,675	4,527,808	791,287	791,287	$ -					
2023	4,527,808	129,675	4,398,133	772,606	772,606	$ -					
2024	4,398,133	129,675	4,268,458	753,926	753,926	$ -					
2025	4,268,458	129,675	4,138,784	735,245	735,245	$ -					
2026	4,138,784	129,675	4,009,109	716,564	716,564	$ -					
2027	4,009,109	129,675	3,879,434	697,883	697,883	$ -					
2028	3,879,434	129,675	3,749,760	679,202	679,202	$ -					
2029	3,749,760	129,675	3,620,085	660,521	660,521	$ -					
2030	3,620,085	129,675	3,490,410	641,841	641,841	$ -					
2031	3,490,410	129,675	3,360,736	623,160	623,160	$ -					
2032	3,360,736	129,675	3,231,061	604,479	604,479	$ -					
2033	3,231,061	129,675	3,101,386	585,798	585,798	$ -					
2034	3,101,386	129,675	2,971,711	567,117	567,117	$ -					
2035	2,971,711	129,675	2,842,037	548,436	548,436	$ -					
2036	2,842,037	129,675	2,712,362	529,756	529,756	$ -					
2037	2,712,362	129,675	2,582,687	511,075	511,075	$ -					
2038	2,582,687	129,675	2,453,013	492,394	492,394	$ -					
2039	2,453,013	129,675	2,323,338	473,713	473,713	$ -					
2040	2,323,338	129,675	2,193,663	455,032	455,032	$ -					
2041	2,193,663	129,675	2,063,989	436,352	436,352	$ -					
2042	2,063,989	129,675	1,934,314	417,671	417,671	$ -					
2043	1,934,314	129,675	1,804,639	398,990	398,990	$ -					
2044	1,804,639	129,675	1,674,965	380,309	380,309	$ -					
2045	1,674,965	129,675	1,545,290	361,628	361,628	$ -					
2046	1,545,290	129,675	1,415,615	342,947	342,947	$ -					
2047	1,415,615	129,675	1,285,941	324,267	324,267	$ -					
2048	1,285,941	129,675	1,156,266	305,586	305,586	$ -					
2049	1,156,266	129,675	1,026,591	286,905	286,905	$ -					
2050	1,026,591	129,675	896,917	268,224	268,224	$ -					
2051	896,917	129,675	767,242	249,543	249,543	$ -					
2052	767,242	129,675	637,567	230,862	230,862	$ -					
2053	637,567	129,675	507,893	212,182	212,182	$ -					
2054	507,893	129,675	378,218	193,501	193,501	$ -					
2055	378,218	129,675	248,543	174,820	174,820	$ -					
2056	248,543	129,675	118,868	156,139	156,139	$ -					
2057	118,868	118,868	-	127,431	127,431	$ -					
2058	-	-	-	-	-	$ -					
2059	-	-	-	-	-	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
Project Totals				24,542,184	24,542,184	-					

** 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

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	**290,274**
Current Projected Year ARR w/ Incentive	**290,274**
Current Projected Year Incentive ARR	-

Details			
Investment	2,088,951	Current Year	**2022**
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	47,476

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2013	2,088,951	-	2,088,951	300,932	####### #######	$ -	$ 424,916		$ 424,916		
2014	2,088,951	47,476	2,041,475	344,989	344,989	$ -	$ 372,954		$ 372,954		
2015	2,041,475	47,476	1,993,999	338,150	338,150	$ -	$ 375,622		$ 375,622		
2016	1,993,999	47,476	1,946,523	331,310	331,310	$ -	$ 363,235		$ 363,235		
2017	1,946,523	47,476	1,899,046	324,471	324,471	$ -	$ 367,158		$ 367,158		
2018	1,899,046	47,476	1,851,570	317,631	317,631	$ -	$ 331,181		$ 331,181		
2019	1,851,570	47,476	1,804,094	310,792	310,792	$ -	$ 321,999		$ 321,999		
2020	1,804,094	47,476	1,756,618	303,953	303,953	$ -	$ 310,179		$ 310,179		
2021	1,756,618	47,476	1,709,142	297,113	297,113	$ -	$ 295,885		$ 295,885		
2022	1,709,142	47,476	1,661,666	290,274	290,274	$ -					
2023	1,661,666	47,476	1,614,189	283,435	283,435	$ -					
2024	1,614,189	47,476	1,566,713	276,595	276,595	$ -					
2025	1,566,713	47,476	1,519,237	269,756	269,756	$ -					
2026	1,519,237	47,476	1,471,761	262,916	262,916	$ -					
2027	1,471,761	47,476	1,424,285	256,077	256,077	$ -					
2028	1,424,285	47,476	1,376,809	249,238	249,238	$ -					
2029	1,376,809	47,476	1,329,332	242,398	242,398	$ -					
2030	1,329,332	47,476	1,281,856	235,559	235,559	$ -					
2031	1,281,856	47,476	1,234,380	228,720	228,720	$ -					
2032	1,234,380	47,476	1,186,904	221,880	221,880	$ -					
2033	1,186,904	47,476	1,139,428	215,041	215,041	$ -					
2034	1,139,428	47,476	1,091,952	208,201	208,201	$ -					
2035	1,091,952	47,476	1,044,476	201,362	201,362	$ -					
2036	1,044,476	47,476	996,999	194,523	194,523	$ -					
2037	996,999	47,476	949,523	187,683	187,683	$ -					
2038	949,523	47,476	902,047	180,844	180,844	$ -					
2039	902,047	47,476	854,571	174,005	174,005	$ -					
2040	854,571	47,476	807,095	167,165	167,165	$ -					
2041	807,095	47,476	759,619	160,326	160,326	$ -					
2042	759,619	47,476	712,142	153,486	153,486	$ -					
2043	712,142	47,476	664,666	146,647	146,647	$ -					
2044	664,666	47,476	617,190	139,808	139,808	$ -					
2045	617,190	47,476	569,714	132,968	132,968	$ -					
2046	569,714	47,476	522,238	126,129	126,129	$ -					
2047	522,238	47,476	474,762	119,290	119,290	$ -					
2048	474,762	47,476	427,285	112,450	112,450	$ -					
2049	427,285	47,476	379,809	105,611	105,611	$ -					
2050	379,809	47,476	332,333	98,771	98,771	$ -					
2051	332,333	47,476	284,857	91,932	91,932	$ -					
2052	284,857	47,476	237,381	85,093	85,093	$ -					
2053	237,381	47,476	189,905	78,253	78,253	$ -					
2054	189,905	47,476	142,428	71,414	71,414	$ -					
2055	142,428	47,476	94,952	64,575	64,575	$ -					
2056	94,952	47,476	47,476	57,735	57,735	$ -					
2057	47,476	47,476	-	50,896	50,896	$ -					
2058	-	-	-	-	-	$ -					
2059	-	-	-	-	-	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
Project Totals				9,010,398	9,010,398	-					

** 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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	**810,374**
Current Projected Year ARR w/ Incentive	**810,374**
Current Projected Year Incentive ARR	-

Details			
Investment	5,507,426	Current Year	**2022**
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	125,169

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2016	5,507,426	62,584	5,444,842	851,472	####### #######	$ -	$ 42,109	$ 42,109
2017	5,444,842	125,169	5,319,673	900,532	900,532	$ -	$ 41,186	$ 41,186
2018	5,319,673	125,169	5,194,504	882,500	882,500	$ -	$ (7,120)	$ (7,120)
2019	5,194,504	125,169	5,069,335	864,469	864,469	$ -	$ 25,082	$ 25,082
2020	5,069,335	125,169	4,944,167	846,437	846,437	$ -	$ 863,948	$ 863,948
2021	4,944,167	125,169	4,818,998	828,405	828,405	$ -	$ 824,945	$ 824,945
2022	4,818,998	125,169	4,693,829	810,374	810,374	$ -		
2023	4,693,829	125,169	4,568,660	792,342	792,342	$ -		
2024	4,568,660	125,169	4,443,491	774,310	774,310	$ -		
2025	4,443,491	125,169	4,318,323	756,279	756,279	$ -		
2026	4,318,323	125,169	4,193,154	738,247	738,247	$ -		
2027	4,193,154	125,169	4,067,985	720,215	720,215	$ -		
2028	4,067,985	125,169	3,942,816	702,183	702,183	$ -		
2029	3,942,816	125,169	3,817,648	684,152	684,152	$ -		
2030	3,817,648	125,169	3,692,479	666,120	666,120	$ -		
2031	3,692,479	125,169	3,567,310	648,088	648,088	$ -		
2032	3,567,310	125,169	3,442,141	630,057	630,057	$ -		
2033	3,442,141	125,169	3,316,972	612,025	612,025	$ -		
2034	3,316,972	125,169	3,191,804	593,993	593,993	$ -		
2035	3,191,804	125,169	3,066,635	575,961	575,961	$ -		
2036	3,066,635	125,169	2,941,466	557,930	557,930	$ -		
2037	2,941,466	125,169	2,816,297	539,898	539,898	$ -		
2038	2,816,297	125,169	2,691,129	521,866	521,866	$ -		
2039	2,691,129	125,169	2,565,960	503,835	503,835	$ -		
2040	2,565,960	125,169	2,440,791	485,803	485,803	$ -		
2041	2,440,791	125,169	2,315,622	467,771	467,771	$ -		
2042	2,315,622	125,169	2,190,454	449,739	449,739	$ -		
2043	2,190,454	125,169	2,065,285	431,708	431,708	$ -		
2044	2,065,285	125,169	1,940,116	413,676	413,676	$ -		
2045	1,940,116	125,169	1,814,947	395,644	395,644	$ -		
2046	1,814,947	125,169	1,689,778	377,613	377,613	$ -		
2047	1,689,778	125,169	1,564,610	359,581	359,581	$ -		
2048	1,564,610	125,169	1,439,441	341,549	341,549	$ -		
2049	1,439,441	125,169	1,314,272	323,518	323,518	$ -		
2050	1,314,272	125,169	1,189,103	305,486	305,486	$ -		
2051	1,189,103	125,169	1,063,935	287,454	287,454	$ -		
2052	1,063,935	125,169	938,766	269,422	269,422	$ -		
2053	938,766	125,169	813,597	251,391	251,391	$ -		
2054	813,597	125,169	688,428	233,359	233,359	$ -		
2055	688,428	125,169	563,259	215,327	215,327	$ -		
2056	563,259	125,169	438,091	197,296	197,296	$ -		
2057	438,091	125,169	312,922	179,264	179,264	$ -		
2058	312,922	125,169	187,753	161,232	161,232	$ -		
2059	187,753	125,169	62,584	143,200	143,200	$ -		
2060	-	-	-	-	-	$ -		
2061	-	-	-	-	-	$ -		
2062	-	-	-	-	-	$ -		
2063	-	-	-	-	-	$ -		
2064	-	-	-	-	-	$ -		
2065	-	-	-	-	-	$ -		
2066	-	-	-	-	-	$ -		
2067	-	-	-	-	-	$ -		
2068	-	-	-	-	-	$ -		
2069	-	-	-	-	-	$ -		
2070	-	-	-	-	-	$ -		
2071	-	-	-	-	-	$ -		
2072	-	-	-	-	-	$ -		
2073	-	-	-	-	-	$ -		
2074	-	-	-	-	-	$ -		
2075	-	-	-	-	-	$ -		
Project Totals				23,291,723	23,291,723	-		

** 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

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	**554,757**
Current Projected Year ARR w/ Incentive	**554,757**
Current Projected Year Incentive ARR	-

Details			
Investment	4,008,040	Current Year	**2022**
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
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	591,483	####### #######	$ -
2014	3,992,858	91,092	3,901,766	659,738	659,738	$ -
2015	3,901,766	91,092	3,810,674	646,616	646,616	$ -
2016	3,810,674	91,092	3,719,582	633,493	633,493	$ -
2017	3,719,582	91,092	3,628,491	620,370	620,370	$ -
2018	3,628,491	91,092	3,537,399	607,248	607,248	$ -
2019	3,537,399	91,092	3,446,307	594,125	594,125	$ -
2020	3,446,307	91,092	3,355,215	581,003	581,003	$ -
2021	3,355,215	91,092	3,264,123	567,880	567,880	$ -
2022	3,264,123	91,092	3,173,031	554,757	554,757	$ -
2023	3,173,031	91,092	3,081,940	541,635	541,635	$ -
2024	3,081,940	91,092	2,990,848	528,512	528,512	$ -
2025	2,990,848	91,092	2,899,756	515,389	515,389	$ -
2026	2,899,756	91,092	2,808,664	502,267	502,267	$ -
2027	2,808,664	91,092	2,717,572	489,144	489,144	$ -
2028	2,717,572	91,092	2,626,481	476,022	476,022	$ -
2029	2,626,481	91,092	2,535,389	462,899	462,899	$ -
2030	2,535,389	91,092	2,444,297	449,776	449,776	$ -
2031	2,444,297	91,092	2,353,205	436,654	436,654	$ -
2032	2,353,205	91,092	2,262,113	423,531	423,531	$ -
2033	2,262,113	91,092	2,171,022	410,409	410,409	$ -
2034	2,171,022	91,092	2,079,930	397,286	397,286	$ -
2035	2,079,930	91,092	1,988,838	384,163	384,163	$ -
2036	1,988,838	91,092	1,897,746	371,041	371,041	$ -
2037	1,897,746	91,092	1,806,654	357,918	357,918	$ -
2038	1,806,654	91,092	1,715,562	344,796	344,796	$ -
2039	1,715,562	91,092	1,624,471	331,673	331,673	$ -
2040	1,624,471	91,092	1,533,379	318,550	318,550	$ -
2041	1,533,379	91,092	1,442,287	305,428	305,428	$ -
2042	1,442,287	91,092	1,351,195	292,305	292,305	$ -
2043	1,351,195	91,092	1,260,103	279,183	279,183	$ -
2044	1,260,103	91,092	1,169,012	266,060	266,060	$ -
2045	1,169,012	91,092	1,077,920	252,937	252,937	$ -
2046	1,077,920	91,092	986,828	239,815	239,815	$ -
2047	986,828	91,092	895,736	226,692	226,692	$ -
2048	895,736	91,092	804,644	213,569	213,569	$ -
2049	804,644	91,092	713,553	200,447	200,447	$ -
2050	713,553	91,092	622,461	187,324	187,324	$ -
2051	622,461	91,092	531,369	174,202	174,202	$ -
2052	531,369	91,092	440,277	161,079	161,079	$ -
2053	440,277	91,092	349,185	147,956	147,956	$ -
2054	349,185	91,092	258,093	134,834	134,834	$ -
2055	258,093	91,092	167,002	121,711	121,711	$ -
2056	167,002	91,092	75,910	108,589	108,589	$ -
2057	75,910	75,910	-	81,378	81,378	$ -
2058	-	-	-	-	-	$ -
2059	-	-	-	-	-	$ -
2060	-	-	-	-	-	$ -
2061	-	-	-	-	-	$ -
2062	-	-	-	-	-	$ -
2063	-	-	-	-	-	$ -
2064	-	-	-	-	-	$ -
2065	-	-	-	-	-	$ -
2066	-	-	-	-	-	$ -
2067	-	-	-	-	-	$ -
2068	-	-	-	-	-	$ -
2069	-	-	-	-	-	$ -
2070	-	-	-	-	-	$ -
2071	-	-	-	-	-	$ -
2072	-	-	-	-	-	$ -
Project Totals				17,191,887	17,191,887	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2013	$ 0		$ 0		
2014	$ 7,389,592		$ 7,389,592		
2015	$ 583,939		$ 583,939		
2016	$ 662,503		$ 662,503		
2017	$ 750,034		$ 750,034		
2018	$ 633,061		$ 633,061		
2019	$ 682,446		$ 682,446		
2020	$ 597,311		$ 597,311		
2021	$ 565,534		$ 565,534		

** 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

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	**16,088**
Current Projected Year ARR w/ Incentive	**16,088**
Current Projected Year Incentive ARR	-

Details			
Investment	118,332	Current Year	2022
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	1	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	2,689

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2013	118,332	2,465	115,867	19,334	###### ########	$ -	$ -	$ -
2014	115,867	2,689	113,177	19,187	19,187	$ -	$ 25,862	$ 25,862
2015	113,177	2,689	110,488	18,800	18,800	$ -	$ 17,942	$ 17,942
2016	110,488	2,689	107,799	18,412	18,412	$ -	$ 22,706	$ 22,706
2017	107,799	2,689	105,109	18,025	18,025	$ -	$ 22,935	$ 22,935
2018	105,109	2,689	102,420	17,638	17,638	$ -	$ 18,387	$ 18,387
2019	102,420	2,689	99,731	17,250	17,250	$ -	$ 17,870	$ 17,870
2020	99,731	2,689	97,041	16,863	16,863	$ -	$ 17,207	$ 17,207
2021	97,041	2,689	94,352	16,475	16,475	$ -	$ 16,407	$ 16,407
2022	94,352	2,689	91,662	16,088	16,088	$ -		
2023	91,662	2,689	88,973	15,700	15,700	$ -		
2024	88,973	2,689	86,284	15,313	15,313	$ -		
2025	86,284	2,689	83,594	14,926	14,926	$ -		
2026	83,594	2,689	80,905	14,538	14,538	$ -		
2027	80,905	2,689	78,216	14,151	14,151	$ -		
2028	78,216	2,689	75,526	13,763	13,763	$ -		
2029	75,526	2,689	72,837	13,376	13,376	$ -		
2030	72,837	2,689	70,148	12,988	12,988	$ -		
2031	70,148	2,689	67,458	12,601	12,601	$ -		
2032	67,458	2,689	64,769	12,214	12,214	$ -		
2033	64,769	2,689	62,079	11,826	11,826	$ -		
2034	62,079	2,689	59,390	11,439	11,439	$ -		
2035	59,390	2,689	56,701	11,051	11,051	$ -		
2036	56,701	2,689	54,011	10,664	10,664	$ -		
2037	54,011	2,689	51,322	10,276	10,276	$ -		
2038	51,322	2,689	48,633	9,889	9,889	$ -		
2039	48,633	2,689	45,943	9,502	9,502	$ -		
2040	45,943	2,689	43,254	9,114	9,114	$ -		
2041	43,254	2,689	40,565	8,727	8,727	$ -		
2042	40,565	2,689	37,875	8,339	8,339	$ -		
2043	37,875	2,689	35,186	7,952	7,952	$ -		
2044	35,186	2,689	32,496	7,564	7,564	$ -		
2045	32,496	2,689	29,807	7,177	7,177	$ -		
2046	29,807	2,689	27,118	6,790	6,790	$ -		
2047	27,118	2,689	24,428	6,402	6,402	$ -		
2048	24,428	2,689	21,739	6,015	6,015	$ -		
2049	21,739	2,689	19,050	5,627	5,627	$ -		
2050	19,050	2,689	16,360	5,240	5,240	$ -		
2051	16,360	2,689	13,671	4,853	4,853	$ -		
2052	13,671	2,689	10,982	4,465	4,465	$ -		
2053	10,982	2,689	8,292	4,078	4,078	$ -		
2054	8,292	2,689	5,603	3,690	3,690	$ -		
2055	5,603	2,689	2,913	3,303	3,303	$ -		
2056	2,913	2,689	224	2,915	2,915	$ -		
2057	224	224	-	240	240	$ -		
2058	-	-	-	-	-	$ -		
2059	-	-	-	-	-	$ -		
2060	-	-	-	-	-	$ -		
2061	-	-	-	-	-	$ -		
2062	-	-	-	-	-	$ -		
2063	-	-	-	-	-	$ -		
2064	-	-	-	-	-	$ -		
2065	-	-	-	-	-	$ -		
2066	-	-	-	-	-	$ -		
2067	-	-	-	-	-	$ -		
2068	-	-	-	-	-	$ -		
2069	-	-	-	-	-	$ -		
2070	-	-	-	-	-	$ -		
2071	-	-	-	-	-	$ -		
2072	-	-	-	-	-	$ -		
Project Totals				494,782	494,782	-		

** 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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	**494,899**
Current Projected Year ARR w/ Incentive	**494,899**
Current Projected Year Incentive ARR	-

Details			
Investment	3,459,640	Current Year	2022
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	3	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	78,628

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	3,459,640	58,971	3,400,669	553,116	####### #######	$ -	$ 652,736		$ 652,736		
2016	3,400,669	78,628	3,322,041	562,862	562,862	$ -	$ 666,514		$ 666,514		
2017	3,322,041	78,628	3,243,413	551,535	551,535	$ -	$ 674,329		$ 674,329		
2018	3,243,413	78,628	3,164,784	540,208	540,208	$ -	$ 563,359		$ 563,359		
2019	3,164,784	78,628	3,086,156	528,881	528,881	$ -	$ 548,044		$ 548,044		
2020	3,086,156	78,628	3,007,528	517,554	517,554	$ -	$ 528,210		$ 528,210		
2021	3,007,528	78,628	2,928,900	506,227	506,227	$ -	$ 504,122		$ 504,122		
2022	2,928,900	78,628	2,850,272	494,899	494,899	$ -					
2023	2,850,272	78,628	2,771,643	483,572	483,572	$ -					
2024	2,771,643	78,628	2,693,015	472,245	472,245	$ -					
2025	2,693,015	78,628	2,614,387	460,918	460,918	$ -					
2026	2,614,387	78,628	2,535,759	449,591	449,591	$ -					
2027	2,535,759	78,628	2,457,131	438,264	438,264	$ -					
2028	2,457,131	78,628	2,378,503	426,937	426,937	$ -					
2029	2,378,503	78,628	2,299,874	415,610	415,610	$ -					
2030	2,299,874	78,628	2,221,246	404,283	404,283	$ -					
2031	2,221,246	78,628	2,142,618	392,955	392,955	$ -					
2032	2,142,618	78,628	2,063,990	381,628	381,628	$ -					
2033	2,063,990	78,628	1,985,362	370,301	370,301	$ -					
2034	1,985,362	78,628	1,906,733	358,974	358,974	$ -					
2035	1,906,733	78,628	1,828,105	347,647	347,647	$ -					
2036	1,828,105	78,628	1,749,477	336,320	336,320	$ -					
2037	1,749,477	78,628	1,670,849	324,993	324,993	$ -					
2038	1,670,849	78,628	1,592,221	313,666	313,666	$ -					
2039	1,592,221	78,628	1,513,593	302,339	302,339	$ -					
2040	1,513,593	78,628	1,434,964	291,011	291,011	$ -					
2041	1,434,964	78,628	1,356,336	279,684	279,684	$ -					
2042	1,356,336	78,628	1,277,708	268,357	268,357	$ -					
2043	1,277,708	78,628	1,199,080	257,030	257,030	$ -					
2044	1,199,080	78,628	1,120,452	245,703	245,703	$ -					
2045	1,120,452	78,628	1,041,823	234,376	234,376	$ -					
2046	1,041,823	78,628	963,195	223,049	223,049	$ -					
2047	963,195	78,628	884,567	211,722	211,722	$ -					
2048	884,567	78,628	805,939	200,395	200,395	$ -					
2049	805,939	78,628	727,311	189,067	189,067	$ -					
2050	727,311	78,628	648,683	177,740	177,740	$ -					
2051	648,683	78,628	570,054	166,413	166,413	$ -					
2052	570,054	78,628	491,426	155,086	155,086	$ -					
2053	491,426	78,628	412,798	143,759	143,759	$ -					
2054	412,798	78,628	334,170	132,432	132,432	$ -					
2055	334,170	78,628	255,542	121,105	121,105	$ -					
2056	255,542	78,628	176,913	109,778	109,778	$ -					
2057	176,913	78,628	98,285	98,451	98,451	$ -					
2058	98,285	78,628	19,657	87,124	87,124	$ -					
2059	19,657	19,657	-	21,073	21,073	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
Project Totals				14,548,879	14,548,879	-					

** 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

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	**618,034**
Current Projected Year ARR w/ Incentive	**618,034**
Current Projected Year Incentive ARR	-

Details			
Investment	4,474,020	Current Year	**2022**
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	9	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	101,682

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2013	4,474,020	25,421	4,448,600	668,113	####### #######	$ -	$ 0		$ 0		
2014	4,448,600	101,682	4,346,917	735,220	735,220	$ -	$ 95,797		$ 95,797		
2015	4,346,917	101,682	4,245,235	720,571	720,571	$ -	$ 660,744		$ 660,744		
2016	4,245,235	101,682	4,143,553	705,923	705,923	$ -	$ 821,901		$ 821,901		
2017	4,143,553	101,682	4,041,870	691,275	691,275	$ -	$ 828,442		$ 828,442		
2018	4,041,870	101,682	3,940,188	676,627	676,627	$ -	$ 652,807		$ 652,807		
2019	3,940,188	101,682	3,838,506	661,978	661,978	$ -	$ 685,825		$ 685,825		
2020	3,838,506	101,682	3,736,824	647,330	647,330	$ -	$ 660,577		$ 660,577		
2021	3,736,824	101,682	3,635,141	632,682	632,682	$ -	$ 630,069		$ 630,069		
2022	3,635,141	101,682	3,533,459	618,034	618,034	$ -					
2023	3,533,459	101,682	3,431,777	603,385	603,385	$ -					
2024	3,431,777	101,682	3,330,095	588,737	588,737	$ -					
2025	3,330,095	101,682	3,228,412	574,089	574,089	$ -					
2026	3,228,412	101,682	3,126,730	559,440	559,440	$ -					
2027	3,126,730	101,682	3,025,048	544,792	544,792	$ -					
2028	3,025,048	101,682	2,923,365	530,144	530,144	$ -					
2029	2,923,365	101,682	2,821,683	515,496	515,496	$ -					
2030	2,821,683	101,682	2,720,001	500,847	500,847	$ -					
2031	2,720,001	101,682	2,618,319	486,199	486,199	$ -					
2032	2,618,319	101,682	2,516,636	471,551	471,551	$ -					
2033	2,516,636	101,682	2,414,954	456,903	456,903	$ -					
2034	2,414,954	101,682	2,313,272	442,254	442,254	$ -					
2035	2,313,272	101,682	2,211,590	427,606	427,606	$ -					
2036	2,211,590	101,682	2,109,907	412,958	412,958	$ -					
2037	2,109,907	101,682	2,008,225	398,310	398,310	$ -					
2038	2,008,225	101,682	1,906,543	383,661	383,661	$ -					
2039	1,906,543	101,682	1,804,860	369,013	369,013	$ -					
2040	1,804,860	101,682	1,703,178	354,365	354,365	$ -					
2041	1,703,178	101,682	1,601,496	339,717	339,717	$ -					
2042	1,601,496	101,682	1,499,814	325,068	325,068	$ -					
2043	1,499,814	101,682	1,398,131	310,420	310,420	$ -					
2044	1,398,131	101,682	1,296,449	295,772	295,772	$ -					
2045	1,296,449	101,682	1,194,767	281,123	281,123	$ -					
2046	1,194,767	101,682	1,093,084	266,475	266,475	$ -					
2047	1,093,084	101,682	991,402	251,827	251,827	$ -					
2048	991,402	101,682	889,720	237,179	237,179	$ -					
2049	889,720	101,682	788,038	222,530	222,530	$ -					
2050	788,038	101,682	686,355	207,882	207,882	$ -					
2051	686,355	101,682	584,673	193,234	193,234	$ -					
2052	584,673	101,682	482,991	178,586	178,586	$ -					
2053	482,991	101,682	381,309	163,937	163,937	$ -					
2054	381,309	101,682	279,626	149,289	149,289	$ -					
2055	279,626	101,682	177,944	134,641	134,641	$ -					
2056	177,944	101,682	76,262	119,993	119,993	$ -					
2057	76,262	76,262	-	81,755	81,755	$ -					
2058	-	-	-	-	-	$ -					
2059	-	-	-	-	-	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
Project Totals				19,136,930	19,136,930	-					

** 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

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	**2022**
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2014	-	-	-	-	-	$ -	$ 99,055		$ 99,055		
2015	-	-	-	-	-	$ -	$ 178,664		$ 178,664		
2016	-	-	-	-	-	$ -	$ 174,005		$ 174,005		
2017	-	-	-	-	-	$ -	$ 176,014		$ 174,014		
2018	-	-	-	-	-	$ -	$ 137,768		$ 137,768		
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.

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	**1,023,693**
Current Projected Year ARR w/ Incentive	**1,023,693**
Current Projected Year Incentive ARR	-

Details			
Investment	7,169,898	Current Year	2022
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	2	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	162,952

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	7,169,898	135,794	7,034,104	1,158,902	######### #####	$ -	$ 250,071		$ 250,071		
2016	7,034,104	162,952	6,871,152	1,164,542	1,164,542	$ -	$ 77,068		$ 77,068		
2017	6,871,152	162,952	6,708,200	1,141,067	1,141,067	$ -	$ 123,326		$ 123,326		
2018	6,708,200	162,952	6,545,248	1,117,592	1,117,592	$ -	$ 1,165,473		$ 1,165,473		
2019	6,545,248	162,952	6,382,296	1,094,118	1,094,118	$ -	$ 1,133,749		$ 1,133,749		
2020	6,382,296	162,952	6,219,343	1,070,643	1,070,643	$ -	$ 1,092,679		$ 1,092,679		
2021	6,219,343	162,952	6,056,391	1,047,168	1,047,168	$ -	$ 1,042,817		$ 1,042,817		
2022	6,056,391	162,952	5,893,439	1,023,693	1,023,693	$ -					
2023	5,893,439	162,952	5,730,487	1,000,219	1,000,219	$ -					
2024	5,730,487	162,952	5,567,534	976,744	976,744	$ -					
2025	5,567,534	162,952	5,404,582	953,269	953,269	$ -					
2026	5,404,582	162,952	5,241,630	929,794	929,794	$ -					
2027	5,241,630	162,952	5,078,678	906,320	906,320	$ -					
2028	5,078,678	162,952	4,915,726	882,845	882,845	$ -					
2029	4,915,726	162,952	4,752,773	859,370	859,370	$ -					
2030	4,752,773	162,952	4,589,821	835,895	835,895	$ -					
2031	4,589,821	162,952	4,426,869	812,421	812,421	$ -					
2032	4,426,869	162,952	4,263,917	788,946	788,946	$ -					
2033	4,263,917	162,952	4,100,964	765,471	765,471	$ -					
2034	4,100,964	162,952	3,938,012	741,996	741,996	$ -					
2035	3,938,012	162,952	3,775,060	718,522	718,522	$ -					
2036	3,775,060	162,952	3,612,108	695,047	695,047	$ -					
2037	3,612,108	162,952	3,449,155	671,572	671,572	$ -					
2038	3,449,155	162,952	3,286,203	648,097	648,097	$ -					
2039	3,286,203	162,952	3,123,251	624,622	624,622	$ -					
2040	3,123,251	162,952	2,960,299	601,148	601,148	$ -					
2041	2,960,299	162,952	2,797,347	577,673	577,673	$ -					
2042	2,797,347	162,952	2,634,394	554,198	554,198	$ -					
2043	2,634,394	162,952	2,471,442	530,723	530,723	$ -					
2044	2,471,442	162,952	2,308,490	507,249	507,249	$ -					
2045	2,308,490	162,952	2,145,538	483,774	483,774	$ -					
2046	2,145,538	162,952	1,982,585	460,299	460,299	$ -					
2047	1,982,585	162,952	1,819,633	436,824	436,824	$ -					
2048	1,819,633	162,952	1,656,681	413,350	413,350	$ -					
2049	1,656,681	162,952	1,493,729	389,875	389,875	$ -					
2050	1,493,729	162,952	1,330,777	366,400	366,400	$ -					
2051	1,330,777	162,952	1,167,824	342,925	342,925	$ -					
2052	1,167,824	162,952	1,004,872	319,451	319,451	$ -					
2053	1,004,872	162,952	841,920	295,976	295,976	$ -					
2054	841,920	162,952	678,968	272,501	272,501	$ -					
2055	678,968	162,952	516,015	249,026	249,026	$ -					
2056	516,015	162,952	353,063	225,552	225,552	$ -					
2057	353,063	162,952	190,111	202,077	202,077	$ -					
2058	190,111	162,952	27,159	178,602	178,602	$ -					
2059	27,159	27,159	-	29,115	29,115	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
Project Totals				30,065,613	30,065,613	-					

** 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

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

A. Base Plan Facilities

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

Project Description: **RTEP ID: b1032.4 (Loop the existing South Canton - Wayview 138kV circuit in-and-out of West Canton)**

Current Projected Year ARR	**174,745**
Current Projected Year ARR w/ Incentive	**174,745**
Current Projected Year Incentive ARR	-

Details			
Investment	1,214,619	Current Year	**2022**
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	27,605

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	1,214,619	13,802	1,200,817	187,785	####### #######	$ -	$ 247,850		$ 247,850		
2016	1,200,817	27,605	1,173,212	198,605	198,605	$ -	$ 216,823		$ 216,823		
2017	1,173,212	27,605	1,145,607	194,628	194,628	$ -	$ 219,628		$ 219,628		
2018	1,145,607	27,605	1,118,002	190,652	190,652	$ -	$ 198,829		$ 198,829		
2019	1,118,002	27,605	1,090,397	186,675	186,675	$ -	$ 193,445		$ 193,445		
2020	1,090,397	27,605	1,062,792	182,698	182,698	$ -	$ 186,463		$ 186,463		
2021	1,062,792	27,605	1,035,187	178,721	178,721	$ -	$ 177,978		$ 177,978		
2022	1,035,187	27,605	1,007,582	174,745	174,745	$ -					
2023	1,007,582	27,605	979,977	170,768	170,768	$ -					
2024	979,977	27,605	952,372	166,791	166,791	$ -					
2025	952,372	27,605	924,767	162,814	162,814	$ -					
2026	924,767	27,605	897,162	158,838	158,838	$ -					
2027	897,162	27,605	869,557	154,861	154,861	$ -					
2028	869,557	27,605	841,952	150,884	150,884	$ -					
2029	841,952	27,605	814,347	146,907	146,907	$ -					
2030	814,347	27,605	786,742	142,931	142,931	$ -					
2031	786,742	27,605	759,137	138,954	138,954	$ -					
2032	759,137	27,605	731,532	134,977	134,977	$ -					
2033	731,532	27,605	703,927	131,000	131,000	$ -					
2034	703,927	27,605	676,322	127,024	127,024	$ -					
2035	676,322	27,605	648,717	123,047	123,047	$ -					
2036	648,717	27,605	621,112	119,070	119,070	$ -					
2037	621,112	27,605	593,507	115,093	115,093	$ -					
2038	593,507	27,605	565,902	111,117	111,117	$ -					
2039	565,902	27,605	538,297	107,140	107,140	$ -					
2040	538,297	27,605	510,692	103,163	103,163	$ -					
2041	510,692	27,605	483,087	99,186	99,186	$ -					
2042	483,087	27,605	455,482	95,210	95,210	$ -					
2043	455,482	27,605	427,877	91,233	91,233	$ -					
2044	427,877	27,605	400,272	87,256	87,256	$ -					
2045	400,272	27,605	372,667	83,279	83,279	$ -					
2046	372,667	27,605	345,062	79,303	79,303	$ -					
2047	345,062	27,605	317,457	75,326	75,326	$ -					
2048	317,457	27,605	289,852	71,349	71,349	$ -					
2049	289,852	27,605	262,247	67,372	67,372	$ -					
2050	262,247	27,605	234,642	63,396	63,396	$ -					
2051	234,642	27,605	207,037	59,419	59,419	$ -					
2052	207,037	27,605	179,432	55,442	55,442	$ -					
2053	179,432	27,605	151,827	51,465	51,465	$ -					
2054	151,827	27,605	124,222	47,489	47,489	$ -					
2055	124,222	27,605	96,617	43,512	43,512	$ -					
2056	96,617	27,605	69,012	39,535	39,535	$ -					
2057	69,012	27,605	41,407	35,558	35,558	$ -					
2058	41,407	27,605	13,802	31,582	31,582	$ -					
2059	13,802	13,802	-	14,797	14,797	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
Project Totals				5,151,601	5,151,601	-					

** 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

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	**445,118**
Current Projected Year ARR w/ Incentive	**445,118**
Current Projected Year Incentive ARR	-

Details			
Investment	3,059,126	Current Year	2022
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	69,526

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	3,059,126	-	3,059,126	440,695	####### #######	$ -	$ 559,098		$ 559,098		
2016	3,059,126	69,526	2,989,600	505,213	505,213	$ -	$ 620,362		$ 620,362		
2017	2,989,600	69,526	2,920,075	495,197	495,197	$ -	$ 646,844		$ 646,844		
2018	2,920,075	69,526	2,850,549	485,181	485,181	$ -	$ 506,029		$ 506,029		
2019	2,850,549	69,526	2,781,024	475,165	475,165	$ -	$ 492,430		$ 492,340		
2020	2,781,024	69,526	2,711,498	465,150	465,150	$ -	$ 474,754		$ 474,754		
2021	2,711,498	69,526	2,641,972	455,134	455,134	$ -	$ 453,236		$ 453,236		
2022	2,641,972	69,526	2,572,447	445,118	445,118	$ -					
2023	2,572,447	69,526	2,502,921	435,102	435,102	$ -					
2024	2,502,921	69,526	2,433,396	425,086	425,086	$ -					
2025	2,433,396	69,526	2,363,870	415,071	415,071	$ -					
2026	2,363,870	69,526	2,294,345	405,055	405,055	$ -					
2027	2,294,345	69,526	2,224,819	395,039	395,039	$ -					
2028	2,224,819	69,526	2,155,293	385,023	385,023	$ -					
2029	2,155,293	69,526	2,085,768	375,007	375,007	$ -					
2030	2,085,768	69,526	2,016,242	364,992	364,992	$ -					
2031	2,016,242	69,526	1,946,717	354,976	354,976	$ -					
2032	1,946,717	69,526	1,877,191	344,960	344,960	$ -					
2033	1,877,191	69,526	1,807,665	334,944	334,944	$ -					
2034	1,807,665	69,526	1,738,140	324,928	324,928	$ -					
2035	1,738,140	69,526	1,668,614	314,913	314,913	$ -					
2036	1,668,614	69,526	1,599,089	304,897	304,897	$ -					
2037	1,599,089	69,526	1,529,563	294,881	294,881	$ -					
2038	1,529,563	69,526	1,460,037	284,865	284,865	$ -					
2039	1,460,037	69,526	1,390,512	274,849	274,849	$ -					
2040	1,390,512	69,526	1,320,986	264,834	264,834	$ -					
2041	1,320,986	69,526	1,251,461	254,818	254,818	$ -					
2042	1,251,461	69,526	1,181,935	244,802	244,802	$ -					
2043	1,181,935	69,526	1,112,409	234,786	234,786	$ -					
2044	1,112,409	69,526	1,042,884	224,770	224,770	$ -					
2045	1,042,884	69,526	973,358	214,755	214,755	$ -					
2046	973,358	69,526	903,833	204,739	204,739	$ -					
2047	903,833	69,526	834,307	194,723	194,723	$ -					
2048	834,307	69,526	764,782	184,707	184,707	$ -					
2049	764,782	69,526	695,256	174,691	174,691	$ -					
2050	695,256	69,526	625,730	164,676	164,676	$ -					
2051	625,730	69,526	556,205	154,660	154,660	$ -					
2052	556,205	69,526	486,679	144,644	144,644	$ -					
2053	486,679	69,526	417,154	134,628	134,628	$ -					
2054	417,154	69,526	347,628	124,612	124,612	$ -					
2055	347,628	69,526	278,102	114,597	114,597	$ -					
2056	278,102	69,526	208,577	104,581	104,581	$ -					
2057	208,577	69,526	139,051	94,565	94,565	$ -					
2058	139,051	69,526	69,526	84,549	84,549	$ -					
2059	69,526	69,526	0	74,533	74,533	$ -					
2060	0	0	-	0	0	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
Project Totals				13,195,113	13,195,113	-					

** 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

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	**315,627**
Current Projected Year ARR w/ Incentive	**315,627**
Current Projected Year Incentive ARR	-

Details			
Investment	2,169,182	Current Year	**2022**
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	49,300

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2015	2,169,182	-	2,169,182	312,491	####### #######	$ -	$ 265,269	$ 265,269
2016	2,169,182	49,300	2,119,882	358,239	358,239	$ -	$ 405,050	$ 405,050
2017	2,119,882	49,300	2,070,583	351,137	351,137	$ -	$ 419,228	$ 419,228
2018	2,070,583	49,300	2,021,283	344,035	344,035	$ -	$ 326,706	$ 326,706
2019	2,021,283	49,300	1,971,984	336,933	336,933	$ -	$ 349,175	$ 349,175
2020	1,971,984	49,300	1,922,684	329,831	329,831	$ -	$ 336,641	$ 336,641
2021	1,922,684	49,300	1,873,384	322,729	322,729	$ -	$ 321,383	$ 321,383
2022	1,873,384	49,300	1,824,085	315,627	315,627	$ -		
2023	1,824,085	49,300	1,774,785	308,525	308,525	$ -		
2024	1,774,785	49,300	1,725,486	301,423	301,423	$ -		
2025	1,725,486	49,300	1,676,186	294,321	294,321	$ -		
2026	1,676,186	49,300	1,626,887	287,218	287,218	$ -		
2027	1,626,887	49,300	1,577,587	280,116	280,116	$ -		
2028	1,577,587	49,300	1,528,287	273,014	273,014	$ -		
2029	1,528,287	49,300	1,478,988	265,912	265,912	$ -		
2030	1,478,988	49,300	1,429,688	258,810	258,810	$ -		
2031	1,429,688	49,300	1,380,389	251,708	251,708	$ -		
2032	1,380,389	49,300	1,331,089	244,606	244,606	$ -		
2033	1,331,089	49,300	1,281,789	237,504	237,504	$ -		
2034	1,281,789	49,300	1,232,490	230,402	230,402	$ -		
2035	1,232,490	49,300	1,183,190	223,300	223,300	$ -		
2036	1,183,190	49,300	1,133,891	216,198	216,198	$ -		
2037	1,133,891	49,300	1,084,591	209,096	209,096	$ -		
2038	1,084,591	49,300	1,035,291	201,994	201,994	$ -		
2039	1,035,291	49,300	985,992	194,892	194,892	$ -		
2040	985,992	49,300	936,692	187,790	187,790	$ -		
2041	936,692	49,300	887,393	180,688	180,688	$ -		
2042	887,393	49,300	838,093	173,586	173,586	$ -		
2043	838,093	49,300	788,793	166,484	166,484	$ -		
2044	788,793	49,300	739,494	159,381	159,381	$ -		
2045	739,494	49,300	690,194	152,279	152,279	$ -		
2046	690,194	49,300	640,895	145,177	145,177	$ -		
2047	640,895	49,300	591,595	138,075	138,075	$ -		
2048	591,595	49,300	542,296	130,973	130,973	$ -		
2049	542,296	49,300	492,996	123,871	123,871	$ -		
2050	492,996	49,300	443,696	116,769	116,769	$ -		
2051	443,696	49,300	394,397	109,667	109,667	$ -		
2052	394,397	49,300	345,097	102,565	102,565	$ -		
2053	345,097	49,300	295,798	95,463	95,463	$ -		
2054	295,798	49,300	246,498	88,361	88,361	$ -		
2055	246,498	49,300	197,198	81,259	81,259	$ -		
2056	197,198	49,300	147,899	74,157	74,157	$ -		
2057	147,899	49,300	98,599	67,055	67,055	$ -		
2058	98,599	49,300	49,300	59,953	59,953	$ -		
2059	49,300	49,300	0	52,851	52,851	$ -		
2060	0	0	-	0	0	$ -		
2061	-	-	-	-	-	$ -		
2062	-	-	-	-	-	$ -		
2063	-	-	-	-	-	$ -		
2064	-	-	-	-	-	$ -		
2065	-	-	-	-	-	$ -		
2066	-	-	-	-	-	$ -		
2067	-	-	-	-	-	$ -		
2068	-	-	-	-	-	$ -		
2069	-	-	-	-	-	$ -		
2070	-	-	-	-	-	$ -		
2071	-	-	-	-	-	$ -		
2072	-	-	-	-	-	$ -		
2073	-	-	-	-	-	$ -		
2074	-	-	-	-	-	$ -		
Project Totals				9,356,464	9,356,464	-		

** 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

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	**90,323**
Current Projected Year ARR w/ Incentive	**90,323**
Current Projected Year Incentive ARR	-

Details			
Investment	620,757	Current Year	**2022**
Service Year (yyyy)	2,015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
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	89,426	###### ########	$ -
2016	620,757	14,108	606,649	102,518	102,518	$ -
2017	606,649	14,108	592,541	100,485	100,485	$ -
2018	592,541	14,108	578,433	98,453	98,453	$ -
2019	578,433	14,108	564,325	96,420	96,420	$ -
2020	564,325	14,108	550,216	94,388	94,388	$ -
2021	550,216	14,108	536,108	92,356	92,356	$ -
2022	536,108	14,108	522,000	90,323	90,323	$ -
2023	522,000	14,108	507,892	88,291	88,291	$ -
2024	507,892	14,108	493,784	86,258	86,258	$ -
2025	493,784	14,108	479,676	84,226	84,226	$ -
2026	479,676	14,108	465,568	82,194	82,194	$ -
2027	465,568	14,108	451,460	80,161	80,161	$ -
2028	451,460	14,108	437,352	78,129	78,129	$ -
2029	437,352	14,108	423,243	76,096	76,096	$ -
2030	423,243	14,108	409,135	74,064	74,064	$ -
2031	409,135	14,108	395,027	72,032	72,032	$ -
2032	395,027	14,108	380,919	69,999	69,999	$ -
2033	380,919	14,108	366,811	67,967	67,967	$ -
2034	366,811	14,108	352,703	65,934	65,934	$ -
2035	352,703	14,108	338,595	63,902	63,902	$ -
2036	338,595	14,108	324,487	61,870	61,870	$ -
2037	324,487	14,108	310,379	59,837	59,837	$ -
2038	310,379	14,108	296,270	57,805	57,805	$ -
2039	296,270	14,108	282,162	55,772	55,772	$ -
2040	282,162	14,108	268,054	53,740	53,740	$ -
2041	268,054	14,108	253,946	51,708	51,708	$ -
2042	253,946	14,108	239,838	49,675	49,675	$ -
2043	239,838	14,108	225,730	47,643	47,643	$ -
2044	225,730	14,108	211,622	45,610	45,610	$ -
2045	211,622	14,108	197,514	43,578	43,578	$ -
2046	197,514	14,108	183,405	41,546	41,546	$ -
2047	183,405	14,108	169,297	39,513	39,513	$ -
2048	169,297	14,108	155,189	37,481	37,481	$ -
2049	155,189	14,108	141,081	35,448	35,448	$ -
2050	141,081	14,108	126,973	33,416	33,416	$ -
2051	126,973	14,108	112,865	31,384	31,384	$ -
2052	112,865	14,108	98,757	29,351	29,351	$ -
2053	98,757	14,108	84,649	27,319	27,319	$ -
2054	84,649	14,108	70,541	25,286	25,286	$ -
2055	70,541	14,108	56,432	23,254	23,254	$ -
2056	56,432	14,108	42,324	21,222	21,222	$ -
2057	42,324	14,108	28,216	19,189	19,189	$ -
2058	28,216	14,108	14,108	17,157	17,157	$ -
2059	14,108	14,108	-	15,124	15,124	$ -
2060	-	-	-	-	-	$ -
2061	-	-	-	-	-	$ -
2062	-	-	-	-	-	$ -
2063	-	-	-	-	-	$ -
2064	-	-	-	-	-	$ -
2065	-	-	-	-	-	$ -
2066	-	-	-	-	-	$ -
2067	-	-	-	-	-	$ -
2068	-	-	-	-	-	$ -
2069	-	-	-	-	-	$ -
2070	-	-	-	-	-	$ -
2071	-	-	-	-	-	$ -
2072	-	-	-	-	-	$ -
2073	-	-	-	-	-	$ -
2074	-	-	-	-	-	$ -
Project Totals				2,677,549	2,677,549	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	$ 63,382		$ 63,382		
2016	$ -		$ -		
2017	$ 28,232		$ 28,232		
2018	$ -		$ -		
2019	$ 99,924		$ 99,924		
2020	$ 96,337		$ 96,337		
2021	$ 91,971		$ 91,971		

** 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

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: b2019 (Establish Burger 345/138 kV station)**

Current Projected Year ARR	**997,129**
Current Projected Year ARR w/ Incentive	**997,129**
Current Projected Year Incentive ARR	-

Details			
Investment	6,852,888	Current Year	**2022**
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	155,747

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	6,852,888	-	6,852,888	987,221	####### #######	$ -	$ 1,039,339		$ 1,039,339		
2016	6,852,888	155,747	6,697,141	1,131,750	1,131,750	$ -	$ 1,387,490		$ 1,387,490		
2017	6,697,141	155,747	6,541,393	1,109,313	1,109,313	$ -	$ 1,411,523		$ 1,411,523		
2018	6,541,393	155,747	6,385,646	1,086,877	1,086,877	$ -	$ 1,133,578		$ 1,133,578		
2019	6,385,646	155,747	6,229,898	1,064,440	1,064,440	$ -	$ 1,103,114		$ 1,103,114		
2020	6,229,898	155,747	6,074,151	1,042,003	1,042,003	$ -	$ 1,063,519		$ 1,063,519		
2021	6,074,151	155,747	5,918,403	1,019,566	1,019,566	$ -	$ 1,015,315		$ 1,015,315		
2022	5,918,403	155,747	5,762,656	997,129	997,129	$ -					
2023	5,762,656	155,747	5,606,908	974,692	974,692	$ -					
2024	5,606,908	155,747	5,451,161	952,255	952,255	$ -					
2025	5,451,161	155,747	5,295,413	929,819	929,819	$ -					
2026	5,295,413	155,747	5,139,666	907,382	907,382	$ -					
2027	5,139,666	155,747	4,983,919	884,945	884,945	$ -					
2028	4,983,919	155,747	4,828,171	862,508	862,508	$ -					
2029	4,828,171	155,747	4,672,424	840,071	840,071	$ -					
2030	4,672,424	155,747	4,516,676	817,634	817,634	$ -					
2031	4,516,676	155,747	4,360,929	795,198	795,198	$ -					
2032	4,360,929	155,747	4,205,181	772,761	772,761	$ -					
2033	4,205,181	155,747	4,049,434	750,324	750,324	$ -					
2034	4,049,434	155,747	3,893,686	727,887	727,887	$ -					
2035	3,893,686	155,747	3,737,939	705,450	705,450	$ -					
2036	3,737,939	155,747	3,582,191	683,013	683,013	$ -					
2037	3,582,191	155,747	3,426,444	660,576	660,576	$ -					
2038	3,426,444	155,747	3,270,697	638,140	638,140	$ -					
2039	3,270,697	155,747	3,114,949	615,703	615,703	$ -					
2040	3,114,949	155,747	2,959,202	593,266	593,266	$ -					
2041	2,959,202	155,747	2,803,454	570,829	570,829	$ -					
2042	2,803,454	155,747	2,647,707	548,392	548,392	$ -					
2043	2,647,707	155,747	2,491,959	525,955	525,955	$ -					
2044	2,491,959	155,747	2,336,212	503,519	503,519	$ -					
2045	2,336,212	155,747	2,180,464	481,082	481,082	$ -					
2046	2,180,464	155,747	2,024,717	458,645	458,645	$ -					
2047	2,024,717	155,747	1,868,969	436,208	436,208	$ -					
2048	1,868,969	155,747	1,713,222	413,771	413,771	$ -					
2049	1,713,222	155,747	1,557,475	391,334	391,334	$ -					
2050	1,557,475	155,747	1,401,727	368,897	368,897	$ -					
2051	1,401,727	155,747	1,245,980	346,461	346,461	$ -					
2052	1,245,980	155,747	1,090,232	324,024	324,024	$ -					
2053	1,090,232	155,747	934,485	301,587	301,587	$ -					
2054	934,485	155,747	778,737	279,150	279,150	$ -					
2055	778,737	155,747	622,990	256,713	256,713	$ -					
2056	622,990	155,747	467,242	234,276	234,276	$ -					
2057	467,242	155,747	311,495	211,840	211,840	$ -					
2058	311,495	155,747	155,747	189,403	189,403	$ -					
2059	155,747	155,747	0	166,966	166,966	$ -					
2060	0	0	-	0	0	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
Project Totals				29,558,975	29,558,975	-					

** 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

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	**875,129**
Current Projected Year ARR w/ Incentive	**875,129**
Current Projected Year Incentive ARR	-

Details			
Investment	6,094,421	Current Year	**2022**
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	5	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	138,510

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2015	6,094,421	80,797	6,013,624	952,935	####### #######	$ -	$ 805,154	$ 805,154
2016	6,013,624	138,510	5,875,114	994,850	994,850	$ -	$ 1,159,062	$ 1,159,062
2017	5,875,114	138,510	5,736,605	974,897	974,897	$ -	$ 1,177,370	$ 1,177,370
2018	5,736,605	138,510	5,598,095	954,943	954,943	$ -	$ 974,758	$ 974,758
2019	5,598,095	138,510	5,459,585	934,990	934,990	$ -	$ 948,328	$ 948,328
2020	5,459,585	138,510	5,321,076	915,036	915,036	$ -	$ 914,070	$ 914,070
2021	5,321,076	138,510	5,182,566	895,082	895,082	$ -	$ 891,359	$ 891,359
2022	5,182,566	138,510	5,044,057	875,129	875,129	$ -		
2023	5,044,057	138,510	4,905,547	855,175	855,175	$ -		
2024	4,905,547	138,510	4,767,038	835,222	835,222	$ -		
2025	4,767,038	138,510	4,628,528	815,268	815,268	$ -		
2026	4,628,528	138,510	4,490,019	795,315	795,315	$ -		
2027	4,490,019	138,510	4,351,509	775,361	775,361	$ -		
2028	4,351,509	138,510	4,212,999	755,407	755,407	$ -		
2029	4,212,999	138,510	4,074,490	735,454	735,454	$ -		
2030	4,074,490	138,510	3,935,980	715,500	715,500	$ -		
2031	3,935,980	138,510	3,797,471	695,547	695,547	$ -		
2032	3,797,471	138,510	3,658,961	675,593	675,593	$ -		
2033	3,658,961	138,510	3,520,452	655,640	655,640	$ -		
2034	3,520,452	138,510	3,381,942	635,686	635,686	$ -		
2035	3,381,942	138,510	3,243,432	615,732	615,732	$ -		
2036	3,243,432	138,510	3,104,923	595,779	595,779	$ -		
2037	3,104,923	138,510	2,966,413	575,825	575,825	$ -		
2038	2,966,413	138,510	2,827,904	555,872	555,872	$ -		
2039	2,827,904	138,510	2,689,394	535,918	535,918	$ -		
2040	2,689,394	138,510	2,550,885	515,965	515,965	$ -		
2041	2,550,885	138,510	2,412,375	496,011	496,011	$ -		
2042	2,412,375	138,510	2,273,865	476,057	476,057	$ -		
2043	2,273,865	138,510	2,135,356	456,104	456,104	$ -		
2044	2,135,356	138,510	1,996,846	436,150	436,150	$ -		
2045	1,996,846	138,510	1,858,337	416,197	416,197	$ -		
2046	1,858,337	138,510	1,719,827	396,243	396,243	$ -		
2047	1,719,827	138,510	1,581,318	376,290	376,290	$ -		
2048	1,581,318	138,510	1,442,808	356,336	356,336	$ -		
2049	1,442,808	138,510	1,304,298	336,382	336,382	$ -		
2050	1,304,298	138,510	1,165,789	316,429	316,429	$ -		
2051	1,165,789	138,510	1,027,279	296,475	296,475	$ -		
2052	1,027,279	138,510	888,770	276,522	276,522	$ -		
2053	888,770	138,510	750,260	256,568	256,568	$ -		
2054	750,260	138,510	611,751	236,615	236,615	$ -		
2055	611,751	138,510	473,241	216,661	216,661	$ -		
2056	473,241	138,510	334,731	196,707	196,707	$ -		
2057	334,731	138,510	196,222	176,754	176,754	$ -		
2058	196,222	138,510	57,712	156,800	156,800	$ -		
2059	57,712	57,712	-	61,869	61,869	$ -		
2060	-	-	-	-	-	$ -		
2061	-	-	-	-	-	$ -		
2062	-	-	-	-	-	$ -		
2063	-	-	-	-	-	$ -		
2064	-	-	-	-	-	$ -		
2065	-	-	-	-	-	$ -		
2066	-	-	-	-	-	$ -		
2067	-	-	-	-	-	$ -		
2068	-	-	-	-	-	$ -		
2069	-	-	-	-	-	$ -		
2070	-	-	-	-	-	$ -		
2071	-	-	-	-	-	$ -		
2072	-	-	-	-	-	$ -		
2073	-	-	-	-	-	$ -		
2074	-	-	-	-	-	$ -		
Project Totals				25,775,292	25,775,292	-		

** 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

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

A. Base Plan Facilities

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

Project Description: **RTEP ID: b1032.3 (Convert Ross - Circleville 69kV to 138kV)**

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

Details			
Investment	-	Current Year	**2022**
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2015	-	-	-	-	-	$ -	$ -		$ -		
2016	-	-	-	-	-	$ -	$ 935,319		$ 935,319		
2017	-	-	-	-	-	$ -	$ 1,027,649		$ 1,024,649		
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	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
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.

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

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

A. Base Plan Facilities

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

Project Description: **RTEP ID: b1032.2 (Two 138kV outlets to Delano and Camp Sherman)**

Current Projected Year ARR	**92,002**
Current Projected Year ARR w/ Incentive	**92,002**
Current Projected Year Incentive ARR	-

Details			
Investment	598,619	Current Year	2022
Service Year (yyyy)	2018	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	13,605

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2018	598,619	6,802	591,817	92,549	###### ########	$ -	$ 836,737		$ 836,737		
2019	591,817	13,605	578,212	97,882	97,882	$ -	$ 2,185		$ 2,185		
2020	578,212	13,605	564,607	95,922	95,922	$ -	$ 97,920		$ 97,920		
2021	564,607	13,605	551,002	93,962	93,962	$ -	$ 93,566		$ 93,566		
2022	551,002	13,605	537,397	92,002	92,002	$ -					
2023	537,397	13,605	523,792	90,042	90,042	$ -					
2024	523,792	13,605	510,187	88,082	88,082	$ -					
2025	510,187	13,605	496,582	86,122	86,122	$ -					
2026	496,582	13,605	482,977	84,162	84,162	$ -					
2027	482,977	13,605	469,372	82,202	82,202	$ -					
2028	469,372	13,605	455,767	80,242	80,242	$ -					
2029	455,767	13,605	442,162	78,282	78,282	$ -					
2030	442,162	13,605	428,557	76,322	76,322	$ -					
2031	428,557	13,605	414,952	74,363	74,363	$ -					
2032	414,952	13,605	401,347	72,403	72,403	$ -					
2033	401,347	13,605	387,742	70,443	70,443	$ -					
2034	387,742	13,605	374,137	68,483	68,483	$ -					
2035	374,137	13,605	360,532	66,523	66,523	$ -					
2036	360,532	13,605	346,927	64,563	64,563	$ -					
2037	346,927	13,605	333,322	62,603	62,603	$ -					
2038	333,322	13,605	319,717	60,643	60,643	$ -					
2039	319,717	13,605	306,112	58,683	58,683	$ -					
2040	306,112	13,605	292,507	56,723	56,723	$ -					
2041	292,507	13,605	278,902	54,763	54,763	$ -					
2042	278,902	13,605	265,297	52,803	52,803	$ -					
2043	265,297	13,605	251,692	50,843	50,843	$ -					
2044	251,692	13,605	238,087	48,884	48,884	$ -					
2045	238,087	13,605	224,482	46,924	46,924	$ -					
2046	224,482	13,605	210,877	44,964	44,964	$ -					
2047	210,877	13,605	197,272	43,004	43,004	$ -					
2048	197,272	13,605	183,667	41,044	41,044	$ -					
2049	183,667	13,605	170,062	39,084	39,084	$ -					
2050	170,062	13,605	156,457	37,124	37,124	$ -					
2051	156,457	13,605	142,852	35,164	35,164	$ -					
2052	142,852	13,605	129,247	33,204	33,204	$ -					
2053	129,247	13,605	115,642	31,244	31,244	$ -					
2054	115,642	13,605	102,037	29,284	29,284	$ -					
2055	102,037	13,605	88,432	27,324	27,324	$ -					
2056	88,432	13,605	74,827	25,365	25,365	$ -					
2057	74,827	13,605	61,222	23,405	23,405	$ -					
2058	61,222	13,605	47,617	21,445	21,445	$ -					
2059	47,617	13,605	34,012	19,485	19,485	$ -					
2060	34,012	13,605	20,407	17,525	17,525	$ -					
2061	20,407	13,605	6,802	15,565	15,565	$ -					
2062	6,802	6,802	-	7,292	7,292	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
2074	-	-	-	-	-	$ -					
2075	-	-	-	-	-	$ -					
2076	-	-	-	-	-	$ -					
2077	-	-	-	-	-	$ -					
Project Totals				2,538,941	2,538,941	-					

** 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

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	**35,611**
Current Projected Year ARR w/ Incentive	**35,611**
Current Projected Year Incentive ARR	-

Details			
Investment	242,015	Current Year	**2022**
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	5,500

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2016	242,015	2,750	239,265	37,417	###### ########	$ -	$ -	$ -
2017	239,265	5,500	233,764	39,572	39,572	$ -	$ 51,695	$ 51,695
2018	233,764	5,500	228,264	38,780	38,780	$ -	$ 40,449	$ 40,449
2019	228,264	5,500	222,764	37,988	37,988	$ -	$ 39,370	$ 39,370
2020	222,764	5,500	217,263	37,195	37,195	$ -	$ 37,965	$ 37,965
2021	217,263	5,500	211,763	36,403	36,403	$ -	$ 36,251	$ 36,251
2022	211,763	5,500	206,263	35,611	35,611	$ -		
2023	206,263	5,500	200,762	34,818	34,818	$ -		
2024	200,762	5,500	195,262	34,026	34,026	$ -		
2025	195,262	5,500	189,762	33,233	33,233	$ -		
2026	189,762	5,500	184,261	32,441	32,441	$ -		
2027	184,261	5,500	178,761	31,649	31,649	$ -		
2028	178,761	5,500	173,261	30,856	30,856	$ -		
2029	173,261	5,500	167,760	30,064	30,064	$ -		
2030	167,760	5,500	162,260	29,272	29,272	$ -		
2031	162,260	5,500	156,760	28,479	28,479	$ -		
2032	156,760	5,500	151,259	27,687	27,687	$ -		
2033	151,259	5,500	145,759	26,894	26,894	$ -		
2034	145,759	5,500	140,259	26,102	26,102	$ -		
2035	140,259	5,500	134,758	25,310	25,310	$ -		
2036	134,758	5,500	129,258	24,517	24,517	$ -		
2037	129,258	5,500	123,758	23,725	23,725	$ -		
2038	123,758	5,500	118,257	22,933	22,933	$ -		
2039	118,257	5,500	112,757	22,140	22,140	$ -		
2040	112,757	5,500	107,257	21,348	21,348	$ -		
2041	107,257	5,500	101,756	20,555	20,555	$ -		
2042	101,756	5,500	96,256	19,763	19,763	$ -		
2043	96,256	5,500	90,756	18,971	18,971	$ -		
2044	90,756	5,500	85,255	18,178	18,178	$ -		
2045	85,255	5,500	79,755	17,386	17,386	$ -		
2046	79,755	5,500	74,255	16,594	16,594	$ -		
2047	74,255	5,500	68,754	15,801	15,801	$ -		
2048	68,754	5,500	63,254	15,009	15,009	$ -		
2049	63,254	5,500	57,754	14,216	14,216	$ -		
2050	57,754	5,500	52,253	13,424	13,424	$ -		
2051	52,253	5,500	46,753	12,632	12,632	$ -		
2052	46,753	5,500	41,253	11,839	11,839	$ -		
2053	41,253	5,500	35,752	11,047	11,047	$ -		
2054	35,752	5,500	30,252	10,255	10,255	$ -		
2055	30,252	5,500	24,752	9,462	9,462	$ -		
2056	24,752	5,500	19,251	8,670	8,670	$ -		
2057	19,251	5,500	13,751	7,877	7,877	$ -		
2058	13,751	5,500	8,251	7,085	7,085	$ -		
2059	8,251	5,500	2,750	6,293	6,293	$ -		
2060	2,750	2,750	-	2,948	2,948	$ -		
2061	-	-	-	-	-	$ -		
2062	-	-	-	-	-	$ -		
2063	-	-	-	-	-	$ -		
2064	-	-	-	-	-	$ -		
2065	-	-	-	-	-	$ -		
2066	-	-	-	-	-	$ -		
2067	-	-	-	-	-	$ -		
2068	-	-	-	-	-	$ -		
2069	-	-	-	-	-	$ -		
2070	-	-	-	-	-	$ -		
2071	-	-	-	-	-	$ -		
2072	-	-	-	-	-	$ -		
2073	-	-	-	-	-	$ -		
2074	-	-	-	-	-	$ -		
2075	-	-	-	-	-	$ -		
Project Totals				1,026,466	1,026,466	-		

** 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

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

A. Base Plan Facilities

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

Project Description: **RTEP ID: b1870 (Replace the Ohio Central transformer #1 450 MVA for 675 MVA transformer)**

Current Projected Year ARR	**1,217**
Current Projected Year ARR w/ Incentive	**1,217**
Current Projected Year Incentive ARR	-

Details			
Investment	8,640	Current Year	**2022**
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	7	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	196

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2014	8,640	82	8,558	1,321	##### #########	$ -	$ -		$ -		
2015	8,558	196	8,362	1,415	1,415	$ -	$ -		$ -		
2016	8,362	196	8,166	1,387	1,387	$ -					
2017	8,166	196	7,969	1,359	1,359	$ -					
2018	7,969	196	7,773	1,330	1,330	$ -	$ 1,387		$ 1,387		
2019	7,773	196	7,576	1,302	1,302	$ -	$ 1,349		$ 1,349		
2020	7,576	196	7,380	1,274	1,274	$ -	$ 2,796		$ 2,796		
2021	7,380	196	7,184	1,245	1,245	$ -	$ 1,240		$ 1,240		
2022	7,184	196	6,987	1,217	1,217	$ -					
2023	6,987	196	6,791	1,189	1,189	$ -					
2024	6,791	196	6,595	1,161	1,161	$ -					
2025	6,595	196	6,398	1,132	1,132	$ -					
2026	6,398	196	6,202	1,104	1,104	$ -					
2027	6,202	196	6,006	1,076	1,076	$ -					
2028	6,006	196	5,809	1,047	1,047	$ -					
2029	5,809	196	5,613	1,019	1,019	$ -					
2030	5,613	196	5,416	991	991	$ -					
2031	5,416	196	5,220	963	963	$ -					
2032	5,220	196	5,024	934	934	$ -					
2033	5,024	196	4,827	906	906	$ -					
2034	4,827	196	4,631	878	878	$ -					
2035	4,631	196	4,435	849	849	$ -					
2036	4,435	196	4,238	821	821	$ -					
2037	4,238	196	4,042	793	793	$ -					
2038	4,042	196	3,845	764	764	$ -					
2039	3,845	196	3,649	736	736	$ -					
2040	3,649	196	3,453	708	708	$ -					
2041	3,453	196	3,256	680	680	$ -					
2042	3,256	196	3,060	651	651	$ -					
2043	3,060	196	2,864	623	623	$ -					
2044	2,864	196	2,667	595	595	$ -					
2045	2,667	196	2,471	566	566	$ -					
2046	2,471	196	2,275	538	538	$ -					
2047	2,275	196	2,078	510	510	$ -					
2048	2,078	196	1,882	482	482	$ -					
2049	1,882	196	1,685	453	453	$ -					
2050	1,685	196	1,489	425	425	$ -					
2051	1,489	196	1,293	397	397	$ -					
2052	1,293	196	1,096	368	368	$ -					
2053	1,096	196	900	340	340	$ -					
2054	900	196	704	312	312	$ -					
2055	704	196	507	284	284	$ -					
2056	507	196	311	255	255	$ -					
2057	311	196	115	227	227	$ -					
2058	115	115	-	123	123	$ -					
2059	-	-	-	-	-	$ -					
2060	-	-	-	-	-	$ -					
2061	-	-	-	-	-	$ -					
2062	-	-	-	-	-	$ -					
2063	-	-	-	-	-	$ -					
2064	-	-	-	-	-	$ -					
2065	-	-	-	-	-	$ -					
2066	-	-	-	-	-	$ -					
2067	-	-	-	-	-	$ -					
2068	-	-	-	-	-	$ -					
2069	-	-	-	-	-	$ -					
2070	-	-	-	-	-	$ -					
2071	-	-	-	-	-	$ -					
2072	-	-	-	-	-	$ -					
2073	-	-	-	-	-	$ -					
Project Totals				36,749	36,749	-					

** 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

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			
Investment	-	Current Year	**2022**
Service Year (yyyy)	2019	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	7	FCR w/o incentives, less depreciation	14.41%
Useful life	44	FCR w/incentives approved for these facilities, less dep.	14.41%
CIAC (Yes or No)	No	Annual Depreciation Expense	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
2019	-	-	-	-	-	$ -	$ 787,895		$ 787,895		
2020	-	-	-	-	-	$ -	$ 1,123,919		$ 1,123,919		
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.

AEP East Companies
Cost of Service Formula Rate Using 2022 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

		Average Balance of Common Equity				
Line No	**Month (a)**	**Proprietary Capital (b)**	**Less: Preferred Stock (c)**	**Less Undistributed Sub Earnings (Acct 216.1) (d)**	**Less AOCI (Acct 219.1) (e)**	**Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)**
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	2,857,520,000		4,916,000	(128,000)	2,852,732,000
2	January	2,883,630,000		4,916,000	(128,000)	2,878,842,000
3	February	2,891,960,000		4,916,000	(128,000)	2,887,172,000
4	March	2,919,001,000		4,916,000	(128,000)	2,914,213,000
5	April	2,936,972,000		4,916,000	(128,000)	2,932,184,000
6	May	2,947,300,000		4,916,000	(128,000)	2,942,512,000
7	June	2,979,743,000		4,916,000	(128,000)	2,974,955,000
8	July	3,011,892,000		4,916,000	(128,000)	3,007,104,000
9	August	3,025,375,000		4,916,000	(128,000)	3,020,587,000
10	September	3,045,694,000		4,916,000	(128,000)	3,040,906,000
11	October	3,067,091,000		4,916,000	(128,000)	3,062,303,000
12	November	3,076,539,000		4,916,000	(128,000)	3,071,751,000
13	December of Rate Year	3,106,058,000		4,916,000	(128,000)	3,101,270,000
14	Average of the 13 Monthly Balances	2,980,675,000	-	4,916,000	(128,000)	2,975,887,000

		Average Balance of Long Term Debt					
Line No	**Month (a)**	**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)**	**Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)**
	(Note A)	(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year				3,000,791,000		3,000,791,000
16	January				3,000,791,000		3,000,791,000
17	February				3,000,791,000		3,000,791,000
18	March				3,300,791,000		3,300,791,000
19	April				3,300,791,000		3,300,791,000
20	May				3,300,791,000		3,300,791,000
21	June				3,300,791,000		3,300,791,000
22	July				3,300,791,000		3,300,791,000
23	August				3,300,791,000		3,300,791,000
24	September				3,300,791,000		3,300,791,000
25	October				3,300,791,000		3,300,791,000
26	November				3,300,791,000		3,300,791,000
27	December of Rate Year				3,300,791,000		3,300,791,000
28	Average of the 13 Monthly Balances	-	-	-	3,231,560,000	-	3,231,560,231

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

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	**Annual Interest Expense for 2022**						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			122,483,000			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 50 below.			-			
32	Plus: Allowed Hedge Recovery From Ln 55 below.			-			
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			1,730,000			
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			393,000			
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)**			124,606,000			
38	**Average Cost of Debt for 2022 (Ln 37/ ln 28 (g))**			**3.86%**			

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.

	HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	Total Hedge (Gain)/Loss for 2022	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Remaining Unamortized Balance	Amortization Period Beginning	Amortization Period Ending
40	SUN Cash Flow Hedge - 6.000%	-	-	-	-	Jun-06	Jun-16
41	SUN Cash Flow Hedge - 5.375%	-	-	-	-	Sep-09	Sep-19
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 2022 (TCOS, Ln 157)	6,207,447,231
53	Financial Hedge Recovery Limit - Five Basis Points of Total Capital	0.0005
54	Limit of Recoverable Amount	3,103,724
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)**	-	-	-	Year End Total Agrees to FF1 p.112, Ln 3, col (c) & (d)
72	**Dividends on Preferred Stock (Lns 60, 65, 70)**	-	-	-	
73	**Average Cost of Preferred Stock (Ln 72/71)**	0.00%	0.00%	**0.00%**	

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

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line	**Date**	**Property Description**	**Function (T) or (G)** T = Transmission G = General	**Basis**	**Proceeds**	**(Gain) / Loss**	**Functional Allocator**	**Functionalized Proceeds (Gain) / Loss**	**FERC Account**
1						-	0.000%	-	
2						-	0.000%	-	
3						-	0.000%	-	
4				Net (Gain) or Loss for 2022		-		-	

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 (127,042,000)

Allocation of PBOP Settlement Amount for 2022

Line#	Company	Actual Expense (Including AEPSC Billed OPEB)	Total Company Amount Ratio of Company Actual to Total	Allocation of PBOB Recovery Allowance	Labor Allocator for 2022	Actual Expense	Allowable Expense	One Year Functional Expense (Over)/Under
		(A) (Line 14)	(B)=(A)/Total (A)	(C)=(B) * -127042000	(D)	(E)=(A) * (D)	(F)=(C) * (D)	(G)=(E) - (F)
2	APCo	(21,654,000)	35.88%	(45,576,757)	10.559%	(2,286,344)	(4,812,235)	2,525,891
3	I&M	(16,229,000)	26.89%	(34,158,363)	4.637%	(752,490)	(1,583,820)	831,330
4	KPCo	(5,029,000)	8.33%	(10,584,904)	8.698%	(437,439)	(920,709)	483,270
5	KNGP	(537,000)	0.89%	(1,130,263)	12.563%	(67,464)	(141,997)	74,533
6	OPCo	(15,972,000)	26.46%	(33,617,436)	12.672%	(2,023,979)	(4,260,016)	2,236,037
7	WPCo	(938,000)	1.55%	(1,974,277)	3.775%	(35,411)	(74,533)	39,122
8	**Sum of Lines 2 to 7**	(60,359,000)		(127,042,000)		(5,603,126)	(11,793,309)	6,190,183

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

Line	Description	APCo	I&M	KPCo	KNGSPT	OPCo	WPCo	AEP East Total
9	Direct Charged PBOP Expense per Actuarial Report	(18,399,000)	(15,727,000)	(4,563,000)	(409,000)	(12,905,000)	(478,000)	(52,481,000)
10	Additional PBOP Ledger Entries (from Company Records)	519,000	1,847,000	418,000	-	-	(376,000)	
11	Medicare Subsidy	-	-	-	-	-	-	-
12	Net Company Expense (Ln 9 + Ln 10 + Ln 11)	(17,880,000)	(13,880,000)	(4,145,000) -	(409,000)	(12,905,000)	(854,000)	(50,073,000)
13	PBOP Expenses From AEP Service Corporation (from Company Records)	(5,244,000)	(3,720,000)	(1,263,000)	(166,000)	(4,133,000)	(120,000)	(14,646,000)
14	Company PBOP Expense (Ln 12 + Ln 13)	(23,124,000)	(17,600,000)	(5,408,000)	(575,000)	(17,038,000)	(974,000)	(64,719,000)

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 allowacance 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 KINGSPORT			COMPANY
		(1)			*(2)*			*(3)*			*(4)*			
	PLANT ACCT.	*VA SCC RATES*	*ALLOCATION FACTOR (5)*	*WTD AVG. DEPREC. RATE*	*PSC OF WV APPROVED RATES*	*ALLOCATION FACTOR (5)*	*WTD AVG. DEPREC. RATE*	*FERC RATES*	*ALLOCATION FACTOR (5)*	*WTD AVG. DEPREC. RATE*	*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.

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

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

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

(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
	PLANT ACCT.	*(1) 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 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
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
TRANSMISSION PLANT		
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.
K
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
TRANSMISSION PLANT		
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
TRANSMISSION PLANT		
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	356.0	1.91%
Overhead Conductor & Devices MSP	356.0	1.91%
Overhead Conductor & Devices 138K	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
TRANSMISSION PLANT		
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	-
GENERAL PLANT		
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 2020 Available May 25, 2021		2020 Forecasted Revenue Requirement For Year 2020		True-up Adjustment - Over (Under) Recovery
$333,796,952	-	$300,957,321	=	($32,839,631)

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
			0.3145%				

An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorate over 2021

Calculation of Interest					**Monthly**		
January	Year 2020	(2,736,636)	0.3145%	12	103,281		2,839,917
February	Year 2020	(2,736,636)	0.3145%	11	94,674		2,831,310
March	Year 2020	(2,736,636)	0.3145%	10	86,067		2,822,703
April	Year 2020	(2,736,636)	0.3145%	9	77,460		2,814,096
May	Year 2020	(2,736,636)	0.3145%	8	68,854		2,805,490
June	Year 2020	(2,736,636)	0.3145%	7	60,247		2,796,883
July	Year 2020	(2,736,636)	0.3145%	6	51,640		2,788,276
August	Year 2020	(2,736,636)	0.3145%	5	43,034		2,779,670
September	Year 2020	(2,736,636)	0.3145%	4	34,427		2,771,063
October	Year 2020	(2,736,636)	0.3145%	3	25,820		2,762,456
November	Year 2020	(2,736,636)	0.3145%	2	17,213		2,753,849
December	Year 2020	(2,736,636)	0.3145%	1	8,607		2,745,243
					671,324		**33,510,955**
					Annual		
January through December	Year 2020	33,510,955	0.3145%	12	1,264,703		**34,775,659**
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					**Monthly**		
January	Year 2022	(34,775,659)	0.3145%		109,369	(2,957,554)	31,927,474
February	Year 2022	(31,927,474)	0.3145%		100,412	(2,957,554)	29,070,331
March	Year 2022	(29,070,331)	0.3145%		91,426	(2,957,554)	26,204,203
April	Year 2022	(26,204,203)	0.3145%		82,412	(2,957,554)	23,329,061
May	Year 2022	(23,329,061)	0.3145%		73,370	(2,957,554)	20,444,877
June	Year 2022	(20,444,877)	0.3145%		64,299	(2,957,554)	17,551,621
July	Year 2022	(17,551,621)	0.3145%		55,200	(2,957,554)	14,649,267
August	Year 2022	(14,649,267)	0.3145%		46,072	(2,957,554)	11,737,784
September	Year 2022	(11,737,784)	0.3145%		36,915	(2,957,554)	8,817,145
October	Year 2022	(8,817,145)	0.3145%		27,730	(2,957,554)	5,887,321
November	Year 2022	(5,887,321)	0.3145%		18,516	(2,957,554)	2,948,282
December	Year 2022	(2,948,282)	0.3145%		9,272	(2,957,554)	(0)
					714,994		

True-Up Adjustment with Interest	35,490,653
Less Over (Under) Recovery	(32,839,631)
Total Interest	2,651,021

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 2020 Available May 25, 2021		2020 Forecasted Revenue Requirement For Year 2020		True-up Adjustment - Over (Under) Recovery
$5,499,946	-	$4,740,372	=	($759,574)

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
			0.3145%				

An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorate over 2021

Calculation of Interest					**Monthly**		
January	Year 2020	(63,298)	0.3145%	12	2,389		65,687
February	Year 2020	(63,298)	0.3145%	11	2,190		65,488
March	Year 2020	(63,298)	0.3145%	10	1,991		65,289
April	Year 2020	(63,298)	0.3145%	9	1,792		65,089
May	Year 2020	(63,298)	0.3145%	8	1,593		64,890
June	Year 2020	(63,298)	0.3145%	7	1,394		64,691
July	Year 2020	(63,298)	0.3145%	6	1,194		64,492
August	Year 2020	(63,298)	0.3145%	5	995		64,293
September	Year 2020	(63,298)	0.3145%	4	796		64,094
October	Year 2020	(63,298)	0.3145%	3	597		63,895
November	Year 2020	(63,298)	0.3145%	2	398		63,696
December	Year 2020	(63,298)	0.3145%	1	199		63,497
					15,528		**775,101**
					Annual		
January through December	Year 2020	775,101	0.3145%	12	29,252		**804,354**
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					**Monthly**		
January	Year 2022	(804,354)	0.3145%		2,530	(68,408)	738,476
February	Year 2022	(738,476)	0.3145%		2,323	(68,408)	672,391
March	Year 2022	(672,391)	0.3145%		2,115	(68,408)	606,098
April	Year 2022	(606,098)	0.3145%		1,906	(68,408)	539,596
May	Year 2022	(539,596)	0.3145%		1,697	(68,408)	472,886
June	Year 2022	(472,886)	0.3145%		1,487	(68,408)	405,965
July	Year 2022	(405,965)	0.3145%		1,277	(68,408)	338,834
August	Year 2022	(338,834)	0.3145%		1,066	(68,408)	271,492
September	Year 2022	(271,492)	0.3145%		854	(68,408)	203,939
October	Year 2022	(203,939)	0.3145%		641	(68,408)	136,172
November	Year 2022	(136,172)	0.3145%		428	(68,408)	68,193
December	Year 2022	(68,193)	0.3145%		214	(68,408)	0
					16,538		

True-Up Adjustment with Interest	820,891
Less Over (Under) Recovery	(759,574)
Total Interest	61,318

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 2020 Available May 25, 2021		2020 Forecasted Revenue Requirement For Year 2020		True-up Adjustment - Over (Under) Recovery
$11,715,479	-	$11,070,455	=	($645,025)

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**
			0.3145%				
An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorate over 2021							
Calculation of Interest					**Monthly**		
January	Year 2020	(53,752)	0.3145%	12	2,029		55,781
February	Year 2020	(53,752)	0.3145%	11	1,860		55,612
March	Year 2020	(53,752)	0.3145%	10	1,691		55,443
April	Year 2020	(53,752)	0.3145%	9	1,521		55,273
May	Year 2020	(53,752)	0.3145%	8	1,352		55,104
June	Year 2020	(53,752)	0.3145%	7	1,183		54,935
July	Year 2020	(53,752)	0.3145%	6	1,014		54,766
August	Year 2020	(53,752)	0.3145%	5	845		54,597
September	Year 2020	(53,752)	0.3145%	4	676		54,428
October	Year 2020	(53,752)	0.3145%	3	507		54,259
November	Year 2020	(53,752)	0.3145%	2	338		54,090
December	Year 2020	(53,752)	0.3145%	1	169		53,921
					13,186		**658,210**
					Annual		
January through December	Year 2020	658,210	0.3145%	12	24,841		**683,051**
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					**Monthly**		
January	Year 2022	**(683,051)**	0.3145%		2,148	(58,091)	627,108
February	Year 2022	(627,108)	0.3145%		1,972	(58,091)	570,989
March	Year 2022	(570,989)	0.3145%		1,796	(58,091)	514,694
April	Year 2022	(514,694)	0.3145%		1,619	(58,091)	458,221
May	Year 2022	(458,221)	0.3145%		1,441	(58,091)	401,571
June	Year 2022	(401,571)	0.3145%		1,263	(58,091)	344,743
July	Year 2022	(344,743)	0.3145%		1,084	(58,091)	287,736
August	Year 2022	(287,736)	0.3145%		905	(58,091)	230,549
September	Year 2022	(230,549)	0.3145%		725	(58,091)	173,183
October	Year 2022	(173,183)	0.3145%		545	(58,091)	115,637
November	Year 2022	(115,637)	0.3145%		364	(58,091)	57,909
December	Year 2022	(57,909)	0.3145%		182	(58,091)	0
					14,044		

True-Up Adjustment with Interest	697,095
Less Over (Under) Recovery	(645,025)
Total Interest	52,070

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 2020 Available May 25, 2021		2020 Forecasted Revenue Requirement For Year 2020		True-up Adjustment - Over (Under) Recovery
$575,908	-	$6,259,228	=	$5,683,320

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
			0.3145%				

An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorate over 2021

Calculation of Interest					**Monthly**		
January	Year 2020	473,610	0.3145%	12	(17,874)		(491,484)
February	Year 2020	473,610	0.3145%	11	(16,385)		(489,995)
March	Year 2020	473,610	0.3145%	10	(14,895)		(488,505)
April	Year 2020	473,610	0.3145%	9	(13,406)		(487,016)
May	Year 2020	473,610	0.3145%	8	(11,916)		(485,526)
June	Year 2020	473,610	0.3145%	7	(10,427)		(484,037)
July	Year 2020	473,610	0.3145%	6	(8,937)		(482,547)
August	Year 2020	473,610	0.3145%	5	(7,448)		(481,058)
September	Year 2020	473,610	0.3145%	4	(5,958)		(479,568)
October	Year 2020	473,610	0.3145%	3	(4,469)		(478,079)
November	Year 2020	473,610	0.3145%	2	(2,979)		(476,589)
December	Year 2020	473,610	0.3145%	1	(1,490)		(475,100)
					(116,181)		**(5,799,501)**
					Annual		
January through December	Year 2020	(5,799,501)	0.3145%	12	(218,873)		**(6,018,375)**
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					**Monthly**		
January	Year 2022	**6,018,375**	0.3145%		(18,928)	511,843	(5,525,460)
February	Year 2022	5,525,460	0.3145%		(17,378)	511,843	(5,030,994)
March	Year 2022	5,030,994	0.3145%		(15,822)	511,843	(4,534,974)
April	Year 2022	4,534,974	0.3145%		(14,262)	511,843	(4,037,394)
May	Year 2022	4,037,394	0.3145%		(12,698)	511,843	(3,538,249)
June	Year 2022	3,538,249	0.3145%		(11,128)	511,843	(3,037,534)
July	Year 2022	3,037,534	0.3145%		(9,553)	511,843	(2,535,244)
August	Year 2022	2,535,244	0.3145%		(7,973)	511,843	(2,031,374)
September	Year 2022	2,031,374	0.3145%		(6,389)	511,843	(1,525,920)
October	Year 2022	1,525,920	0.3145%		(4,799)	511,843	(1,018,877)
November	Year 2022	1,018,877	0.3145%		(3,204)	511,843	(510,238)
December	Year 2022	510,238	0.3145%		(1,605)	511,843	(0)
					(123,739)		

True-Up Adjustment with Interest	(6,142,114)
Less Over (Under) Recovery	5,683,320
Total Interest	(458,793)

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.