

Twelve Months Ended 2019

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

Indiana Michigan Power Company

Line No.			Total	Allocator	Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 130)			\$142,571,243
2	REVENUE CREDITS	(Worksheet E Ln 8) (Note A)	2,670,110	DA 1.00000	\$ 2,670,110
3	Facility Credits under PJM OATT Section 30.9	(Worksheet E Ln 9) (Note X)			\$ -
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)			\$ 139,901,132

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)		5,686,029	DA 1.00000	\$ 5,686,029
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)				
7	Annual Rate	((In 1 - In 95)/((In 42) x 100))			13.39%
8	Monthly Rate	(In 7 / 12)			1.12%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)				
10	Annual Rate	((In 1 - In 95 - In 100) /((In 42) x 100))			10.55%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)				
12	Annual Rate	((In 1 - In 95 - In 100 - In 125 - In 126) /((In 42) x 100))			3.92%
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			6,670,987
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)				4,884,653
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)				1,241,651
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)			544,683

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Line No.	(1)	(2)	(3)	(4)	(5)
	RATE BASE CALCULATION	Data Sources (See "General Notes")	TO Total NOTE C	Allocator	Total Transmission
19	GROSS PLANT IN SERVICE				
19	Production	(Worksheet A In 14.(b))	4,942,931,722	NA	-
20	Less: Production ARO (Enter Negative)	(Worksheet A In 14.(c))	(454,124,098)	NA	-
21	Transmission	(Worksheet A In 14.(d) & TCOS Ln 134)	1,603,673,168	DA	1,545,033,460
22	Less: Transmission ARO (Enter Negative)	(Worksheet A In 14.(e))	-	TP	0.96343
23	Distribution	(Worksheet A In 14.(f))	2,334,813,733	NA	-
24	Less: Distribution ARO (Enter Negative)	(Worksheet A In 14.(g))	-	NA	0.00000
25	General Plant	(Worksheet A In 14.(h))	158,475,004	W/S	0.04475
26	Less: General Plant ARO (Enter Negative)	(Worksheet A In 14.(i))	(287,149)	W/S	0.04475
27	Intangible Plant	(Worksheet A In 14.(j))	197,382,107	W/S	0.04475
28	TOTAL GROSS PLANT	(sum Ins 19 to 27)	8,782,864,487	GP	0.177726
				GTD=	0.39229
29	ACCUMULATED DEPRECIATION AND AMORTIZATION				
30	Production	(Worksheet A In 28.(b))	1,817,917,653	NA	-
31	Less: Production ARO (Enter Negative)	(Worksheet A In 28.(c))	(121,203,346)	NA	-
32	Transmission	(Worksheet A In 28.(d) & In 43.(c))	489,641,802	TP1=	0.98115
33	Less: Transmission ARO (Enter Negative)	(Worksheet A In 28.(e))	-	TP1=	0.98115
34	Distribution	(Worksheet A In 28.(f))	654,540,942	NA	-
35	Less: Distribution ARO (Enter Negative)	(Worksheet A In 28.(g))	-	NA	0.00000
36	General Plant	(Worksheet A In 28.(h))	32,432,941	W/S	0.04475
37	Less: General Plant ARO (Enter Negative)	(Worksheet A In 28.(i))	(163,493)	W/S	0.04475
38	Intangible Plant	(Worksheet A In 28.(j))	157,750,768	W/S	0.04475
39	TOTAL ACCUMULATED DEPRECIATION	(sum Ins 30 to 38)	3,030,917,268		488,914,941
40	NET PLANT IN SERVICE				
41	Production	(In 19 + In 20 - In 30 - In 31)	2,792,093,317		-
42	Transmission	(In 21 + In 22 - In 32 - In 33)	1,114,031,367		1,064,621,215
43	Distribution	(In 23 + In 24 - In 34 - In 35)	1,680,272,791		-
44	General Plant	(In 25 + In 26 - In 36 - In 37)	125,918,406		5,634,379
45	Intangible Plant	(In 27 - In 38)	39,631,339		1,773,355
46	TOTAL NET PLANT IN SERVICE	(sum Ins 41 to 45)	5,751,947,220	NP	0.186377
47	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)			
48	Account No. 281.1 (enter negative)	(Worksheet B, In 2 & In 5.E)	(29,093,206)	NA	-
49	Account No. 282.1 (enter negative)	(Worksheet B, In 7 & In 10.E)	(1,445,285,801)	DA	(243,060,628)
50	Account No. 283.1 (enter negative)	(Worksheet B, In 12 & In 15.E)	(558,560,445)	DA	(1,084,955)
51	Account No. 190.1	(Worksheet B, In 17 & In 20.E)	665,751,919	DA	9,369,368
52	Account No. 255 (enter negative)	(Worksheet B, In 24 & In 25.E)	-	DA	-
53	TOTAL ADJUSTMENTS	(sum Ins 48 to 52)	(1,367,187,532)		(234,776,214)
54	PLANT HELD FOR FUTURE USE	(Worksheet A In 44.(e) & In 45.(e))	1,444,928	DA	208,360
55	REGULATORY ASSETS	(Worksheet A In 51.(e))	-	DA	-
56	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A In 54.(e))	(141,942)	W/S	0.04475
57	WORKING CAPITAL	(Note E)			
58	Cash Working Capital	(1/8 * In 78)	3,450,857		3,324,673
59	Transmission Materials & Supplies	(Worksheet C, In 2.(F))	1,861,469	TP	0.96343
60	A&G Materials & Supplies	(Worksheet C, In 3.(F))	401,144	W/S	0.04475
61	Stores Expense	(Worksheet C, In 4.(F))	-	GP	0.17773
62	Prepayments (Account 165) - Labor Allocated	(Worksheet C, In 8.(G))	155,841,461	W/S	0.04475
63	Prepayments (Account 165) - Gross Plant	(Worksheet C, In 8.(F))	5,672,893	GP	0.17773
64	Prepayments (Account 165) - Transmission Only	(Worksheet C, In 8.(E))	-	DA	1.00000
65	Prepayments (Account 165) - Unallocable	(Worksheet C, In 8.(D))	(153,257,414)	NA	0.00000
66	TOTAL WORKING CAPITAL	(sum Ins 58 to 65)	13,970,409		13,117,571
67	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, In 8.B)	(3,580,990)	DA	1.00000
68	RATE BASE (sum Ins 46, 53, 54, 55, 56, 66, 67)		4,396,452,092		846,991,324

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	(1)	(2)	(3)	(4)	(5)
	EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION		TO Total	Allocator	Total Transmission
Line No.		Data Sources (See "General Notes")			
69	OPERATION & MAINTENANCE EXPENSE				
70	Production	321.80.b	1,035,970,421		
71	Distribution	322.156.b	81,866,438		
72	Customer Related Expense	322 & 323.164,171,178.b	49,403,324		
73	Regional Marketing Expenses	322.131.b	4,451,886		
74	Transmission	321.112.b	167,694,423		
75	TOTAL O&M EXPENSES	(sum Ins 69 to 73)	1,339,386,492		
76	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	6,670,987		
77	Less: Account 565	(Note H) 321.96.b	133,416,582		
78	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, In 4.C)	-		
79	Total O&M Allocable to Transmission	(Ins 73 - 75 - 76 - 77)	27,606,854	TP	0.96343
79	Administrative and General	323.197.b (Notes J and M)	101,839,176		
80	Less: Acct. 924, Property Insurance	323.185.b	(2,382,592)		
81	Acct. 9260039 PBOP Expense	PBOP Worksheet O Line 9 & 10, (Note K)	(9,579,409)		
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)	(2,429,348)		
84	Acct. 928, Reg. Com. Exp.	323.189.b	16,895,038		
85	Acct. 930.1, Gen. Advert. Exp.	323.191.b	203,266		
86	Acct. 930.2, Misc. Gen. Exp.	323.192.b	4,770,223		
87	Balance of A & G	(In 79 - sum In 80 to In 86)	94,361,988	W/S	0.04475
88	Plus: Acct. 924, Property Insurance	(In 80)	(2,382,592)	GP	0.17773
89	Acct. 928 - Transmission Specific	Worksheet F In 20.(E) (Note L)	42,327	TP	0.96343
90	Acct 930.1 - Only safety related ads -Direct	Worksheet F In 37.(E) (Note L)	-	TP	0.96343
91	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F In 45.(E) (Note L)	244,767	DA	1.00000
92	Settlement Approved PBOP Recovery	PBOP Worksheet O, Col. C (Note M)	(33,620,910)	W/S	0.04475
93	A & G Subtotal	(sum Ins 87 to 92)	58,645,590		
94	O & M EXPENSE SUBTOTAL	(In 78 + In 93)	86,252,444		
95	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		-	DA	1.00000
96	TOTAL O & M EXPENSE	(In 94 + In 95)	86,252,444		
97	DEPRECIATION AND AMORTIZATION EXPENSE				
98	Production	336.2-6.f	202,761,985	NA	0.00000
99	Distribution	336.8.f	82,678,416	NA	0.00000
100	Transmission	336.7.f	30,810,160	TP1	0.98115
101	General	336.10.f	6,188,083	W/S	0.04475
102	Intangible	336.1.f	27,404,324	W/S	0.04475
103	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 98+99+100+101+102) (Note N)	349,842,968		
104	TAXES OTHER THAN INCOME				
105	Labor Related				
106	Payroll	Worksheet H In 23.(D)	13,276,263	W/S	0.04475
107	Plant Related				
108	Property	Worksheet H In 23.(C)	65,657,132	DA	9,814,909
109	Gross Receipts/Sales & Use	Worksheet H In 23.(F)	21,059,003	NA	0.00000
110	Other	Worksheet H In 23.(E)	2,566,485	GP	0.17773
111	TOTAL OTHER TAXES	(sum Ins 106 to 110)	102,558,883		
112	INCOME TAXES	(Note O)			
113	$T=1 - ((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p) =$		25.23%		
114	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		23.37%		
115	where WCLTD=(In 154) and WACC = (In 157)				
116	and FIT, SIT & p are as given in Note O.				
117	$GRCF=1 / (1 - T) =$ (from In 113)		1.3374		
118	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	(3,642,730)		
119	Excess Deferred Income Tax	(Note U)	(42,478,993)	DA	(4,604,320)
120	Tax Effect of Permanent and Flow-Through Differences	(Note U)	4,025,006	DA	1,481,153
121	Income Tax Calculation	(In 114 * In 126)	74,378,856		
122	ITC adjustment	(In 117 * In 118)	(4,871,686)	GP	0.17773
123	Excess Deferred Income Tax	(In 117 * In 119)	(56,810,224)		
124	Tax Effect of Permanent and Flow-Through Differences	(In 117 * In 120)	5,382,931		
125	TOTAL INCOME TAXES	(sum Ins 121 to 124)	18,079,877		
126	RETURN ON RATE BASE (Rate Base*WACC)	(In 68 * In 157)	318,280,863		
127	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		191,626	DA	1.00000
128	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. ((F) & (H))		-		
129	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 128 * In14)		-		
130	TOTAL REVENUE REQUIREMENT	(sum Ins 96, 103, 111, 125, 126, 127, 128, 129)	875,206,661		
					142,571,243

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SUPPORTING CALCULATIONS

In No.	TRANSMISSION PLANT INCLUDED IN PJM TARIFF								
131	Total transmission plant	(In 21)							1,603,673,168
132	Less transmission plant excluded from PJM Tariff (Worksheet A, In 42, Col. (d)) (Note P)								-
133	Less transmission plant included in OATT Ancillary Services (Worksheet A, In 42, Col. (b)) (Note Q)								58,639,708
134	Transmission plant included in PJM Tariff	(In 131 - In 132 - In 133)							1,545,033,460
135	Percent of transmission plant in PJM Tariff	(In 134 / In 131)						TP=	0.96343
136	WAGES & SALARY ALLOCATOR (W/S)	(Note R)							
137	Production	354.20.b	145,738,923	13,179,912	158,918,835	NA	0.00000		-
138	Transmission	354.21.b	4,744,459	4,701,818	9,446,277	TP	0.96343		9,100,866
139	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000		-
140	Distribution	354.23.b	19,533,926	2,236,755	21,770,681	NA	0.00000		-
141	Other (Excludes A&G)	354.24,25,26.b	7,882,064	5,370,383	13,252,447	NA	0.00000		-
142	Total	(sum Ins 137 to 141)	177,899,372	25,488,868	203,388,240				9,100,866
143	Transmission related amount							WS=	0.04475
144	WEIGHTED AVERAGE COST OF CAPITAL (WACC)								\$
145	Long Term Interest	(Worksheet M, In. 37, col. (d))							114,297,542
146	Preferred Dividends	(Worksheet M, In. 71)							-
147	<u>Development of Common Stock:</u>								
148	Proprietary Capital	(Worksheet M, In. 14, col. (b))							2,470,269,469
149	Less: Preferred Stock	(Worksheet M, In. 14, col. (c))							-
150	Less: Account 216.1	(Worksheet M, In. 14, col. (d))							(5,778,061)
151	Less: Account 219	(Worksheet M, In. 14, col. (e))							(12,974,288)
152	Common Stock	(In 148 - In 149 - In 150 - In 151)							2,489,021,818
153			Capital Structure Percentages				Cost		Weighted
154	Long Term Debt (Note T) Worksheet M, In 28, col. (g), In 38, col. (d))		\$	%	Cap Limit		(Note S)		
155	Preferred Stock (In 149)		2,648,233,998	51.55%	51.55%		4.32%		0.0222
156	Common Stock (In 152)		-	0.00%	0.00%		-		0.0000
157	Total (Sum Ins 154 to 156)		2,489,021,818	48.45%	48.45%		10.35%		0.0501
			5,137,255,816					WACC=	0.0724
158	Capital Structure Equity Limit (Note Z)	55%							

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Letter	Notes
	General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line#.Column X
A	Revenue credits include: 1) Forfeited Discounts. 2) Miscellaneous Service Revenues. 3) Rental revenues earned on assets included in the rate base. 4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service. 5) Other electric revenues. 6) Revenues for grandfathered PTP contracts included in the load divisor. 7) If AEP East companies have any directly assigned transmission facilities, the revenue credits in the AEP East formula rate shall include all revenues associated with those directly assigned transmission facilities, irrespective of whether the loads of the customer are included in the formula rate divisor; provided however, such addition to revenue credits shall not be reflected if the costs of such directly assigned transmission facilities are not included in the transmission plant balances on which the formula rate ATRR is based. See Worksheet E for details.
B	The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's. Interest will be calculated based on Worksheet Q and any over under recovery will be filed and posted as part of the informational filing.
C	Transmission Plant Balances in this study are projected or actual average of 13-month balances.
D	The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flowthrough and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking the calculation of ADIT in the annual projection will be performed in accordance with IRS regulation Section 1.167(i)-(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 informational 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 Indiana Michigan Power Company general ledger.
I	Removes the impact of state regulatory deferrals or their amortization from Transmission O&M expense.
J	General Plant and Administrative & General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages & Salaries "W/S" allocator. The allocation basis for accounts 924, 928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
K	These deductions on lines 81 through 83 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.
L	Expenses recorded in FERC Accounts 928 (Regulatory Commission Expense), 930.1 (Safety Related Advertising) and 930.2 (Miscellaneous General Expenses) that are not directly related to or properly allocable to transmission service will be removed from the TCOS. If AEP includes any expenses booked to these accounts in future ATRR updates, AEP must provide supporting information demonstrating that the underlying activities are directly related to providing transmission service. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.
M	See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corporation. The calculation of the recoverable amount for each company is shown on Worksheet O.
N	Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales & use and taxes related to income are excluded.
O	The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT. A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) (In 118) multiplied by (1/(1-T)). If the applicable tax rates are zero enter 0. Inputs Required: FIT = 21.00% SIT = 5.35% (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 (In 145) / Long-Term Debt (In 154). Preferred Stock cost rate = preferred dividends (In 146) / preferred outstanding (In 155). Common Stock cost rate (ROE) = 10.35%, the rate accepted by FERC in Docket No. ER08-1329. It includes an additional 50 basis points for PJM RTO Membership. The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the capital structure. Details and calculations of the weighted average cost of capital are shown on Worksheet M. Eligible Hedging Gains and Losses are computed on Worksheet M. The unamortized balance of eligible hedge gains/losses and related ADIT amounts shall not flow through the formula rate.
T	The Long Term Debt balance for I&M includes the accumulated balance of principle and related interest for Spent Nuclear Fuel Disposal Costs collected prior to April 7, 1983. This total balance of \$265,249,280 at 12/31/12 is not included in the balance in line 154 above. The cost rates for long-term debt shall include interest expense and related periodic expenses (such as remarketing and letter of credit fees) as recorded in FERC Account 427 or 430, amortization of issuance costs (including insurance) and discounts as recorded in FERC Account 428, issuance premiums as recorded in FERC Account 429 and losses or gains on reacquired debt as recorded in FERC Accounts 428.1 or 429.1, respectively. The cost rates for preferred stock (if applicable) shall include the dividends.
U	Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax Effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period. Transmission balances for the projected or actual period, will be filed and posted as part of the informational filing.
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 liabilities recorded to Accounts 228.1-228.4 from rate base.

Z Per the settlement in EL17-13, equity is limited to 55% in of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure.

AEP East Companies
 Cost of Service Formula Rate Using Actual/Projected FF1 Balances
 Worksheet A Rate Base
 Indiana Michigan 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)
		Acct. 359.1			Acct. 399.1					
		FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	FF1, page 205&204 Col.(g)&(b), Ins 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5
1	December Prior to Rate Year	4,859,214,364	453,990,234	1,576,569,517	-	2,249,546,706	-	155,764,032	239,127	198,115,773
2	January	4,859,799,535	453,990,234	1,578,728,640	-	2,262,710,239	-	157,032,273	239,127	197,076,967
3	February	4,863,040,925	453,990,234	1,580,814,058	-	2,276,533,686	-	157,790,005	239,127	196,611,537
4	March	4,867,043,086	453,990,234	1,588,537,725	-	2,291,317,142	-	158,016,142	239,127	187,341,467
5	April	4,868,316,815	454,183,593	1,591,484,354	-	2,305,802,123	-	158,531,466	239,127	189,715,570
6	May	4,936,622,190	454,183,593	1,596,694,198	-	2,320,172,043	-	158,848,511	317,163	191,192,372
7	June	4,959,174,555	454,183,593	1,601,835,499	-	2,331,256,766	-	159,130,152	317,163	190,582,238
8	July	4,963,857,926	454,183,593	1,610,227,067	-	2,356,802,082	-	159,418,536	317,163	193,523,792
9	August	4,968,412,055	454,183,593	1,618,864,216	-	2,366,052,225	-	160,345,204	317,163	196,284,086
10	September	4,972,395,010	454,183,593	1,614,395,877	-	2,373,103,734	-	160,842,193	317,163	194,173,925
11	October	5,023,168,797	454,183,593	1,622,004,359	-	2,385,200,834	-	156,970,250	317,163	197,116,947
12	November	5,047,156,090	454,183,593	1,626,038,387	-	2,396,666,931	-	157,631,477	317,163	199,799,378
13	December of Rate Year	5,069,911,041	454,183,593	1,641,557,290	-	2,437,415,019	-	159,854,811	317,162	234,433,341
14	Average of the 13 Monthly Balances	4,942,931,722	454,124,098	1,603,673,168	-	2,334,813,733	-	158,475,004	287,149	197,382,107

		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)
		Company Records			Company Records			Company Records		
		FF1, page 219, Ins 20-24, Col. (b)	(Included in total in Column (b))	FF1, page 219, In 25, Col. (b)	(Included in total in Column (d))	FF1, page 219, In 26, Col. (b)	(Included in total in Column (f))	FF1, page 219, In 28, Col. (b)	(Included in total in Column (h))	FF1, page 200, In 21, Col. (b)
15	December Prior to Rate Year	1,755,817,408	110,498,629	498,470,086	-	634,540,221	-	32,600,155	160,658	146,748,989
16	January	1,771,413,253	112,259,482	496,648,898	-	637,049,288	-	32,650,934	161,034	149,651,908
17	February	1,787,639,041	114,020,338	498,525,909	-	641,138,972	-	33,030,022	161,411	152,853,401
18	March	1,800,582,053	115,781,191	497,299,977	-	643,659,437	-	33,396,326	161,787	151,938,967
19	April	1,814,904,565	117,744,838	497,125,087	-	647,326,865	-	32,668,144	162,163	154,877,845
20	May	1,805,639,781	119,505,404	493,795,176	-	651,461,966	-	32,775,561	162,539	158,014,731
21	June	1,810,008,135	121,265,966	490,493,493	-	655,117,609	-	32,589,471	163,183	158,076,682
22	July	1,825,262,750	123,026,531	490,037,505	-	657,886,238	-	32,642,239	163,828	160,962,901
23	August	1,841,830,330	124,787,094	489,560,252	-	662,579,808	-	33,064,470	164,472	164,150,301
24	September	1,858,437,872	126,547,658	480,894,611	-	663,900,068	-	35,418,974	165,116	160,010,367
25	October	1,845,262,814	128,308,223	477,054,786	-	667,014,464	-	30,771,000	165,761	163,040,619
26	November	1,855,259,669	130,068,787	476,174,299	-	671,437,451	-	30,027,303	166,405	166,273,851
27	December of Rate Year	1,860,871,821	131,829,352	479,263,345	-	675,919,859	-	29,993,638	167,049	164,159,422
28	Average of the 13 Monthly Balances	1,817,917,653	121,203,346	489,641,802	-	654,540,942	-	32,432,941	163,493	157,750,768

Line No	Month (a)	OATT Ancillary Services (GSU) Plant In Service (b)	OATT Ancillary Services (GSU) Accumulated Depreciation (c)	Excluded Plant - Plant In Service (d)	Excluded Plant - Accumulated Depreciation (e)
			Company Records (included in total in column (d) of gross plant above)		
	(Note A)			Company Records	Company Records
29	December Prior to Rate Year	58,640,701	8,743,322	-	-
30	January	58,640,701	8,778,103	-	-
31	February	58,640,701	8,868,330	-	-
32	March	58,640,701	8,958,558	-	-
33	April	58,640,701	9,048,785	-	-
34	May	58,640,701	9,139,013	-	-
35	June	58,640,701	9,229,241	-	-
36	July	58,640,701	9,319,468	-	-
37	August	58,640,701	9,409,696	-	-
38	September	58,640,701	9,499,923	-	-
39	October	58,640,701	9,590,151	-	-
40	November	58,640,701	9,680,379	-	-
41	December of Rate Year	58,627,794	9,719,269	-	-
42	Average of the 13 Monthly Balances	58,639,708	9,229,557	-	-

43 Transmission Accum Depreciation net of GSU 480,412,245

Plant Held For Future Use

	(a)	Source of Data (b)	Balance @ December 31, 2019 (c)	Balance @ December 31, 2018 (d)	Average Balance for 2019 (e)
			44	Plant Held For Future Use	FF1, page 214, In 47, Col. (d)
45	Transmission Plant Held For Future Use (Included in total on line 44)	Company Records - Note 1	208,360	208,360	208,360

Regulatory Assets and Liabilities Approved for Recovery In Ratebase

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

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

Unfunded Reserves Summary (Company Records)

	Description	Account			
52					
53a	Accum Prv I/D Worker's Com	2282003	156,089	127,795	141,942
53b					-
54	Total		156,089	127,795	141,942

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

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

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Source</u>	<u>(C) Balance @ December 31, 2019</u>	<u>(D) Balance @ December 31, 2018</u>	<u>(E) Average Balance for 2019</u>
1	<u>Account 281</u>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, In 8, Col. (k)	28,729,959	29,456,453	29,093,206
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)	28,729,959	29,456,453	29,093,206
5	Transmission Related Deferrals	Ln 2 - In 3 - In 4	-	-	-
6	<u>Account 282</u>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, In 5, Col. (k)	1,477,007,541	1,413,564,060	1,445,285,801
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	74,833,150	78,750,861	76,792,005
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	1,160,479,512	1,090,386,822	1,125,433,167
10	Transmission Related Deferrals	Ln 7 - In 8 - In 9	241,694,879	244,426,377	243,060,628
11	<u>Account 283</u>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, In 9, Col. (k)	588,962,688	528,158,203	558,560,445
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	551,427,584	447,748,774	499,588,179
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	35,889,748	79,884,876	57,887,312
15	Transmission Related Deferrals	Ln 12 - In 13 - In 14	1,645,356	524,553	1,084,955
16	<u>Account 190</u>				
17	Year End Utility Deferrals	FF1, p. 234, In 8, Col. (c)	750,376,334	581,127,505	665,751,919
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	626,760,704	527,060,405	576,910,555
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	112,608,471	46,335,522	79,471,997
20	Transmission Related Deferrals	Ln 17 - In 18 - In 19	11,007,159	7,731,578	9,369,368
21	<u>Account 255</u>				
22	Year End ITC Balances	FF1, p. 266-267, In 8, Col. (h)	25,745,970	29,388,700	27,567,335
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	25,745,970	29,388,700	27,567,335
24	ITC Balances Includeable Ratebase	Ln 22 - In 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 2 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section 1.67(l)-(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksheets B-1 and B-2.

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

6	TOTAL ACCOUNT 282	875,787,582	1,083,114,959	437,776,478	393,893,543	1,445,298,728	200,268,627	243,058,624	349,778,626	178,791,108	646,282,574	244,424,680	347,983,684	0	233,726,146	669,114,654	241,693,185	362,473,557	0
7	ACCOUNT 282 - ARO-Related Deferrals	78,750,861	74,833,150	0	0	78,750,861	9,385,601	(1,694)	86,872	9,256,104	69,468,893	(1,694)	87,558	0	9,515,098	65,229,560	(1,694)	90,186	0

8	ACCOUNT 283:																		
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9.01	NOL-STATE CF-DEF-TAX ASSET	40,549	62,729		(6,090)	(58,119)	0	0	(7,820)	-	40,549	-	-	-	(77,638)	40,549	-	(16,641)	-
9.02	SI UNREC'D FUEL COSTS (CUR MO)	0	(1,270,831)		(636,415)	(401,239)	0	0	-	-	-	-	-	-	(1,270,831)	-	-	-	-
9.03	SI UNREC'D FUEL COSTS	0	802,598		401,239	401,239	0	0	0	0	0	0	0	0	802,598	-	-	-	-
9.04	UNREC'D FUEL-RESERVE-PRE-MERGE	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9.05	UNREC'D FUEL INTEREST	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9.06	PROP TX RPT SPARE-WA-TAX	(2,899)	(2,899)		(2,899)	(2,899)	0	0	(2,899)	-	-	-	-	-	-	-	-	-	-
9.07	PROP TX RPT UZ-OLD METHOD TX	(500,706)	(488,851)		(494,778)	(494,778)	0	0	(500,706)	-	-	-	-	-	(488,851)	-	-	-	-
9.08	DEFERRED INTERCOMPANY TAX	20,326	20,326		20,326	20,326	0	0	20,326	-	-	-	-	-	20,326	-	-	-	-
9.09	MTM BK GAIN - AL - TAX DEF	467,573	1,144,903		806,238	806,238	0	0	467,573	-	-	-	-	-	1,144,903	-	-	-	-
9.10	MARK & SPREAD - DEF - 283 AL	416,163	216,512		316,337	316,337	0	0	416,163	-	-	-	-	-	216,512	-	-	-	-
9.11	REG ASSET - UNRECOGNIZED FWO CMAT	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9.12	DEF'D ENVIRON COMP COSTS & CARRYING CHARGES	126,805	0		63,403	63,403	0	0	126,805	-	-	-	-	-	63,403	-	-	-	-
9.13	DEF'D BK CONTRACT REVENUE	0	(83,863)		(41,902)	(41,902)	0	0	0	-	-	-	-	-	(41,902)	-	-	-	-
9.14	FRT WAYNE CITY LGTS RIGHT TO SERVE SETTLE	1,219,988	1,027,924		1,213,956	0	0	1,123,956	-	-	-	-	-	-	1,219,988	-	-	-	1,027,924
9.15	REG ASSET - DEFERRED RYD COSTS	70,171	(0)		30,086	0	0	36,086	-	-	-	-	-	-	70,171	-	-	-	(0)
9.16	DEF'D STORM DAMAGE	(0)	(0)		0	0	0	0	0	0	0	0	0	0	0	-	-	-	(0)
9.17	RATE CASE DEFERRED CHARGES	362,004	609,079		485,542	0	0	485,542	-	-	-	-	-	-	362,004	-	-	-	609,079
9.18	BK DEF'D DEMAND SIDE MGMT EXP	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.19	SM-OVER RECOV RCS COSTS-DEF'L	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.20	BOOK-TAX-EMA-AC-283	5,593,327	5,214,982		5,404,154	0	0	5,404,154	-	-	-	-	-	-	5,593,327	-	-	-	5,214,982
9.21	DEF'D TX GAIN - INTERCO SALE - EMA	2,749	2,749		2,749	0	0	2,749	-	-	-	-	-	-	2,749	-	-	-	2,749
9.22	DEF'D TAX GAIN - EPA AUCTION	107,980	107,980		107,980	0	0	107,980	-	-	-	-	-	-	107,980	-	-	-	107,980
9.23	REG ASSET-SPAS 43 - ARO	26,194	5,301		11,942	0	0	11,942	-	-	-	-	-	-	26,194	-	-	-	5,301
9.24	REG ASSET-DEFD CARRY COST ON STRANDED COST	(5,025)	(5,025)		(5,025)	0	0	(5,025)	-	-	-	-	-	-	(5,025)	-	-	-	(5,025)
9.25	REG ASSET-DEFERRED P&M FES	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.26	REG ASSET-SPAS 168 - PENSIONS	16,232,027	15,207,773		15,719,900	1,244,706	1,919,552	8,141,085	1,639,744	4,182,721	1,896,169	8,513,404	849,668	4,646,394	1,542,945	7,768,766	1,942,945	7,768,766	113,097
9.27	REG ASSET-SPAS 168 - SDRP	235,154	244,514		244,514	0	0	16,750	106,189	(2,870)	122,210	6,533	99,282	3,287	121,163	16,988	113,097	113,097	0
9.28	REG ASSET-SPAS 168 - OPEB	1,361,562	(1,294,440)		33,561	185,943	31,302	(81,441)	456,577	484,849	120,875	299,261	(84,691)	(888,936)	(58,271)	(462,542)	(58,271)	(462,542)	0
9.29	REG ASSET-DEFD EYE PROGRAM COSTS	16,167	22,806		19,487	0	0	19,487	-	-	-	-	-	-	16,167	-	-	-	22,806
9.30	REG ASSET-ENVIRON COMPLIANCE CARRY COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.31	REG ASSET-OSB MARGIN SHARING	(0)	(0)		(0)	0	0	(0)	0	0	0	0	0	0	(0)	-	-	-	0
9.32	REG ASSET-UNDERRECOVERY P&M EXPENSES	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.33	REG ASSET-NR CONSENT DECREASE	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.34	REG ASSET-UNREC'D CTR FINDER CAR CHGS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.35	REG ASSET-UNDERRECOVERY DSM ENERGY OPT	98,120	(0)		49,060	0	0	49,060	-	-	-	-	-	-	98,120	-	-	-	(0)
9.36	REG ASSET-UNREC'D CTR PFT APP ADD CAR CHGS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.37	REG ASSET-UNREC'D DEF'D NUC DECOM STUDY COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.38	REG ASSET-ENH'NCD COOK PLT SECURITY COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.39	REG ASSET-DEF'D SEVERANCE COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.40	REG ASSET-EO FINANCIAL INCENTIVES-MI	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.41	REG ASSET-MI CARRYING CHARGE-ECCO	54,525	0		27,263	0	0	27,263	-	-	-	-	-	-	54,525	-	-	-	0
9.42	REG ASSET-MI CC-ECCO UNREC'D EQUITY	(20,989)	0		(10,494)	0	0	(10,494)	-	-	-	-	-	-	(20,989)	-	-	-	0
9.43	REG ASSET-MI DSM-ECCO	25,227	0		12,613	0	0	12,613	-	-	-	-	-	-	25,227	-	-	-	0
9.44	REG ASSET-IN-ECCO EQUITY CC-RES	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.45	REG ASSET-IN-ECCO EQUITY CC-CAI	(0)	(0)		(0)	0	0	(0)	0	0	0	0	0	0	(0)	-	-	-	(0)
9.46	REG ASSET-IN-ECCO TOTAL CC-RES	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.47	REG ASSET-IN-ECCO TOTAL CC-CAI	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.48	REG ASSET-IN-DSM UNDER RECOV CAI	3,129,414	2,789,156		2,959,285	0	0	2,959,285	-	-	-	-	-	-	3,129,414	-	-	-	2,789,156
9.49	REG ASSET-IN-DSM UNDER RECOV NON-CAI	(2,900,795)	(2,491,252)		(2,706,918)	0	0	(2,706,918)	-	-	-	-	-	-	(2,900,795)	-	-	-	(2,491,252)
9.50	REG ASSET-CARRY CHARGES-MI LOST REVENUES	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.51	REG ASSET-MI NET LOST REVENUES-CONTR	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.52	REG ASSET-DEFD COOK TURBINE REPL COSTS-MI	447,856	287,714		357,785	0	0	357,785	-	-	-	-	-	-	447,856	-	-	-	287,714
9.53	REG ASSET-TURBINE REPL UNREC'D EO CC	(275,741)	(162,169)		(218,968)	0	0	(218,968)	-	-	-	-	-	-	(275,741)	-	-	-	(162,169)
9.54	REG ASSET-DEFD TURBINE REPLACE EXP-CC	736,482	837,613		807,243	0	0	807,243	-	-	-	-	-	-	736,482	-	-	-	837,613
9.55	TAX DEF'L - DEBT ISSUR COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.56	REG ASSET-NET CCF FREQ STUDY COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	-	-	-	0
9.57	REG ASSET-UNRECOVERED RES AM	(0)	(949,129)		(474,562)	0	0	(474,562)	-	-	-	-	-	-	(949,129)	-	-	-	0
9.58	REG ASSET-RES CARRYING COSTS-MI	0	(460,524)		(240,262)	0	0	(240,262)	-	-	-	-	-	-	(460,524)	-	-	-	0
9.59	REG ASSET-RES UNRECOGNIZED EQUITY-CC MI	0	(12,905)		(6,453)	0	0	(6,453)	-	-	-	-	-	-	(12,905)	-	-	-	0
9.60	REG ASSET-BM FILE BOLTS	1,207,243	1,144,257		1,175,750	0	0	1,175,750	-	-	-	-	-	-	1,207,243	-	-	-	1,144,257
9.61	REG ASSET-MI DEFERRED DEPR-COOK LCM	504,915	504,915		504,915	0	0	504,915	-	-	-	-	-	-	504,915	-	-	-	504,915
9.62	REG ASSET-MI CARRYING CHARGE-COOK LCM	4,048,677	3,794,590		3,921,634	0	0	3,921,634	-	-	-	-	-	-	4,048,677	-	-	-	3,794,590
9.63	REG ASSET-MI CC-COOK LCM UNREC'D EQUITY	(1,489,698)	(1,393,166)		(1,441,432)	0	0	(1,441,432)	-	-	-	-	-	-	(1,489,698)	-	-	-	(1,393,166)
9.64	REG ASSET-IN COOK TURBINE CC EQUITY	(1,257,562)	(1,191,490)		(1,224,526)	0	0	(1,224,526)	-	-	-	-	-	-	(1,257,562)	-	-	-	(1,191,490)
9.65	REG ASSET-IN COOK TURBINE CC	3,860,895	3,486,852		3,664,724	0	0	3,664,724	-	-	-	-	-	-	3,860,895	-	-	-	3,486,852
9.66	REG ASSET-IN DEF O&M DS-20% NON-FMR	67,575	57,581		62,578	0	0	62,578	-	-	-	-	-						

Indiana Michigan Power Company
ACCUMULATED DEFERRED INCOME TAX IN ACCOUNT 190 - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2019

DEBIT (CREDIT)

ACCOUNT 190	AVERAGE					FUNCTIONALIZATION AVERAGE					FUNCTIONALIZATION 12/31/2019					FUNCTIONALIZATION 12/31/2018				
	COLUMN1	COLUMN2	COLUMN3	COLUMN4	COLUMN5	COLUMN6	COLUMN7	COLUMN8	COLUMN9	COLUMN10	COLUMN11	COLUMN12	COLUMN13	COLUMN14	COLUMN15	COLUMN16	COLUMN17	COLUMN18	COLUMN19	COLUMN20
	PER BOOKS	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2018	NET/APPLICABLE CAPABILITY	UTILITY ELECTRIC	GENERATION	NUCLEAR	TRANSMISSION	DISTRIBUTION	RTO	GENERATION	NUCLEAR	TRANSMISSION	DISTRIBUTION	RTO	GENERATION	NUCLEAR	TRANSMISSION	DISTRIBUTION	RTO
1.01 NOL & TAX CREDIT CF - DEF TAX ASSET	860,000	13,558,126		7,209,063	4,456,499	2,702,727	49,837	0	0	860,000	-	-	-	-	8,912,998	4,545,455	99,873	-	-	-
2.02 INT EXP CAPICD FOR TAX	32,027,135	33,981,681		33,004,408	6,286,676	17,137,382	4,735,637	4,844,703	0	6,123,156	16,700,122	4,617,673	4,582,284	-	6,450,197	17,570,862	4,833,701	5,107,121	-	-
2.03 INT EXP CAPIS - COOK ISL TRAM	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.04 TBL INT INC CAP FOR BK BFW SHW	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.05 INT EXP CAPIS - HUFF SHAWES	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.06 CIAC - BOOK RECEIPTS	2,521,188	3,410,411		2,965,800	0	0	683,389	2,382,411	0	0	0	0	0	0	641,914	1,879,274	0	0	0	724,864
2.07 CUST ADV INC FOR TAX	(1)	(1)		(1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.08 PROPERTY TAX - NEW METHOD - BOOK	1,874,543	1,704,602		1,899,572	(184,364)	0	706,503	1,148,454	0	(207,144)	0	706,479	1,175,206	0	(121,985)	0	0	0	0	0
2.09 PROV POSS REV REFS	(392,791)	(88,173)		(125,176)	0	0	(488,695)	381,519	0	0	0	643,606	361,519	0	(429,692)	0	0	0	0	361,519
2.10 PROV FOR REFUND - FERC TRANS	(390,000)	(390,000)		(390,000)	0	0	(390,000)	0	0	0	0	(390,000)	0	0	0	0	0	0	0	(390,000)
2.11 PROV POSS REV REFS	390,001	390,001		390,001	0	0	390,001	0	0	0	0	390,001	0	0	0	0	0	0	0	390,001
2.12 PROV FOR RATE REFUND TAX REFORM	3,515,730	797,215		2,156,473	1,533,721	0	622,752	0	0	2,892,978	0	622,752	0	0	174,464	0	0	0	0	622,752
2.13 PROV FOR RATE REFUND INCESS PROTECTED	656,220	691,519		673,669	0	0	0	0	0	652,200	0	673,669	0	0	691,519	0	0	0	0	0
2.14 DEF BK GAIN/RPPT 2 SALE/LEASE	3,061,354	19		1,530,686	1,530,686	0	0	0	0	3,061,354	0	0	0	0	19	0	0	0	0	0
2.15 MARK & SPREAD SALES - 19/VAL	96,320	0		96,320	0	0	0	0	0	96,320	0	0	0	0	0	0	0	0	0	0
2.16 PROV WORKERS COMP	146,938	168,484		157,711	96,454	(2,944)	24,418	39,783	0	93,524	412	27,025	25,977	0	99,385	(6,300)	21,810	53,589	0	0
2.17 PROV PERS PENS PAYS	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.18 ACRR/BK PENSION EXPENSE	(16,983,230)	(15,636,352)		(16,309,791)	(3,868,280)	(3,653,653)	(803,101)	(7,884,857)	0	(3,940,923)	(4,184,288)	(858,177)	(7,999,844)	0	(3,995,630)	(3,122,821)	(748,025)	(7,789,871)	0	0
2.19 ACRR/BK PENSION COSTS - SFAD 158	16,232,028	15,207,773		15,719,901	1,244,706	4,114,657	1,919,552	8,144,065	0	1,639,744	4,182,721	1,896,159	8,513,208	0	849,668	4,646,394	1,942,845	7,788,786	0	0
2.20 SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	28,788	61,278		45,062	5,286	66,603	10,718	(37,683)	0	5,056	6,870	11,244	(62,264)	0	5,213	78,507	10,193	(52,889)	0	0
2.21 ACRR/BK EXC RETN PLAN COSTS-SFAD 158	235,105	254,514		244,835	208	121,687	16,751	100,189	0	(2,875)	12,210	16,533	95,282	0	3,287	121,163	16,968	113,027	0	0
2.22 ACRR/BK SUP SAVINGS PLAN EXP	402,130	402,130		346,910	0	0	0	0	0	1	251,161	0	40,528	0	1,436	346,039	0	0	0	0
2.23 EMPLOYERS SAVINGS PLAN MATCH	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.24 ACRR/BK BENEFIT COSTS	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.25 ACRR/BK PIS PLAN EXP	972,802	0		486,441	10,828	381,431	946	93,237	0	2,656	762,863	1,890	186,473	0	1	(0)	0	0	0	0
2.26 STOCK BASED COMP CAREER SHARES	290,206	260,206		290,206	0	186,847	0	23,959	0	0	186,847	0	73,669	0	186,847	(0)	73,669	0	0	0
2.27 PROVISION FOR & D WASTE ACCRUAL LT	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.28 PROV WASTE ACCRUAL- LT	65,366	75,875		70,815	0	0	0	0	0	65,366	0	0	0	0	65,366	0	75,875	0	0	0
2.29 PROV WASTE ACCRUAL- ST	77,746	190,679		134,213	0	134,213	0	0	0	77,746	0	0	0	0	77,746	0	190,679	0	0	0
2.30 BK PROV UNCOLL ACCTS - AL	20,262	233,648		71,070	147	0	715	31,108	0	0	0	0	0	0	0	0	0	0	0	0
2.31 BK PROV UNCOLL ACCTS - AL	1,116	7,828		4,471	4,471	0	0	0	0	1,116	0	0	0	0	1,116	0	7,828	0	0	0
2.32 PROV TRADING CREDIT RISK - AL	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.33 PROV FAS 157 - AL	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.34 PROVISION FOR LITIGATION	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.35 ACRR/COMPANY INCENT PLAN/ENGAGE TO GAIN	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.36 ACRR/COMPANY INCENT PLAN	7,332,032	8,739,968		8,035,902	783,773	5,082,476	35,079	1,819,572	0	871,574	4,579,475	374,034	1,506,618	0	895,972	5,585,476	343,824	2,114,532	0	0
2.37 ACRR ENVIRONMENTAL LIAB CURRENT	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.38 ACRR ENVIRONMENTAL LIAB LONG TERM	2,981,800	3,007,406		2,994,633	333,723	1,627,203	269,270	764,960	0	338,376	1,612,524	259,993	771,309	0	320,980	1,642,121	277,651	728,611	0	0
2.39 ACRR ENVIRONMENTAL LIAB LONG TERM	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.40 ACRR LEASE LIABILITY - FORT WAYNE	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.41 (DC) INCENTIVE COMP DEFERRAL PLAN	146,719	190,412		168,556	2,148	127,861	0	38,556	0	1,237	127,245	18,237	0	0	3,098	128,478	0	58,876	0	0
2.42 ACRR LEASE LIABILITY - FORT WAYNE	18,580	18,486		18,486	0	0	0	0	0	18,580	0	0	0	0	18,580	0	18,486	0	0	0
2.43 ACRR BK SEI EMP BENEFIT COSTS	(1)	(1)		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
2.44 ACRR/BK SEVERANCE BENEFITS	0	44,746		22,373	0	0	0	0	0	0	0	0	0	0	44,746	0	0	0	0	0
2.45 FRI WAYNE CITY LOTS SETTLEMENT	488,648	412,268		450,803	0	0	0	450,803	0	0	0	0	0	0	488,648	0	0	0	0	0
2.46 ACRR/BK INTEREST-STATE	157,915	10,726		10,726	12,438	19,455	(1,279)	73,754	0	24,878	38,909	(2,558)	96,888	0	1	1	0	0	0	412,958
2.47 ACRR/BK INTEREST-SHORT TERM - FIN 48	(8,999)	0		(3,500)	(2,233)	(2,147)	149	732	0	(1,448)	(4,294)	297	1,464	0	0	0	0	0	0	0
2.48 ACRR/BK STATE INCOME TAX EXP	(16,367)	(16,367)		(16,367)	0	0	0	0	0	(16,367)	0	0	0	0	(16,367)	0	0	0	0	0
2.50 ACRR/BK RTO CARRYING CHARGES	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.51 BK CFI, TBL, TRANS RECEIPTS	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.52 IN CUSTOMER PROGRAM CONTRIBUTIONS - BT	36,750	0		18,375	0	0	0	18,375	0	0	0	0	0	0	36,750	0	0	0	0	0
2.53 FEDERAL MEDIATION PROGRAMS	582,880	582,880		582,880	582,880	0	0	0	0	582,880	0	0	0	0	582,880	0	0	0	0	0
2.54 STATE MEDIATION PROGRAMS	5,948	232,365		119,157	0	0	0	0	0	5,948	0	0	0	0	5,948	0	232,365	0	0	0
2.55 SMOKEW RECOVER PCL COSTS DEF	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.56 DEF BK CONTRACT REVENUE	103,467	302,460		202,964	0	0	0	202,964	0	0	0	0	0	0	103,467	0	0	0	0	302,460
2.57 TAX/BOOK BASIS/EMAL- SALE	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.58 DEF BK GAIN/NO AFF SALE/EMAL	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.59 DEF BK LOSS/NO AFF SALE/EMAL	7,780	7,780		7,780	0	0	0	0	0	7,780	0	0	0	0	7,780	0	0	0	0	0
2.60 DEF BK LOSS/INTERCO SALE/EMAL	2,750	2,750		2,750	0	0	0	0	0	2,750	0	0	0	0	2,750	0	0	0	0	0
2.61 ADVANCE RENTAL INC	132,380	132,380		132,380	0	0	0	130,655	0	0	0									

TOTAL COMPANY BALANCES							1/1/2019 Beginning Balances		Balance Sheet Account Reclassifications		Tax Expense Entries		12/31/2019 Ending Balance		Reference		
Line No.	Account (NOTE A)	Description of Account	Protected Unprotected	Tax Rate Change Act	Excess Balance at Remeasurement (NOTE C)	Amortization Methodology (NOTE D)	Amortization Period	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals	182.3	254	410/411 Excess Amortization	410/411 Deferred Tax Expense/(Benefit)	Excess ADIT Regulatory Offset		Excess ADIT in Utility Deferrals	
Sum of Cols (I) - (O)																	
Deferred Tax Account (NOTE B)																	
1a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017				141,975,892	(11,692,443)			27,657,906		169,633,796		WS B - 2 Col B/C, ADIT Item 3.16	
1b	2811001	ADFIT - Accel Amortization Property	Protected	TCJA 2017	(11,772,442)	ARAM	Life of Asset					178,989	50,779		(11,462,675)		
1c	2814001	ADFIT - Accel Amort FAS 109 Excess	Protected	TCJA 2017				11,692,443		(229,768)				11,462,675		WS B - 1, Col B/C, ADIT Item 2.06	
1d	2821001	ADFIT - Utility Property	Protected	TCJA 2017	(410,365,997)	ARAM	Life of Asset					12,050,328	33,866,541		(337,435,455)	WS B - 1 Cols O+P+Q+R+S, ADIT Item 5.5f	
1e	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017	(148,924,633)	10 Years	1/2018 - 12/2027		(137,178,388)			17,506,744	(22,830,662)		(142,502,306)		
1f	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017				383,352,324			(45,916,869)			337,435,455		WS B - 1 Col B/C, ADIT Item 5.5g	
1g	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017				137,178,388		5,323,928				142,502,316		WS B - 1 Col B/C, Items 10.25	
1h	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017	(5,353,470)	10 Years	1/2018 - 12/2027		(1,875,626)			12,742,930	(5,149,292)		3,717,012	WS B - 1 Col B/C, Item 10.28	
1i	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017				46,082,952			(47,999,123)			(1,916,171)			
1j	NOTE E																
Regulatory Deferral Accounts																	
2a	182.3	Regulatory Asset		TCJA 2017				(3,777,595)						(3,777,595)		Company Records	
2b	254	Regulatory Liability		TCJA 2017				(716,504,404)			61,163,926			(655,340,478)		FERC Form 1 p. 278 Ln. 3 Cols. (b) / (f)	
2c	NOTE E																
3	Total For Accounting Entries (Sum of Lines 1a through 2b)							0	(534,099,781)	-	-	-	(42,478,991)	(5,937,366)	-	(485,683,424)	
NOTE F																	
TRANSMISSION FUNCTIONAL BALANCES																	
Sum of Cols (I) - (O)																	
Deferred Tax Account (NOTE B)																	
4a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017				23,470,157	(79,548,435)			6,035,548		29,505,705		Company Records	
4b	2821001	ADFIT - Utility Property	Protected	TCJA 2017	(82,304,124)	ARAM	Life of Asset		(13,431,855)			1,147,396	13,319,418		(65,081,621)	WS B - 1 Col Q, ADIT 5.5g	
4c	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017	(14,907,164)	10 Years	1/2018 - 12/2027					3,749,270	(20,310,000)		(29,952,585)		
4d	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017				79,548,435			(14,466,814)			65,081,621		Company Records	
4e	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017				13,431,855		16,560,730				29,992,585		Company Records	
4f	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017	5,174,807	10 Years	1/2018 - 12/2027		4,687,796			(1,308,950)	7,091,176		10,470,022	WS B - 1 Col Q, Item 10.25	
4g	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017				4,064,407			(12,428,476)			(8,364,069)		Company Records	
4h	NOTE E																
Regulatory Deferral Accounts																	
5a	182.3	Regulatory Asset		TCJA 2017				(2,105,953)						(2,105,953)		Company Records	
5b	254	Regulatory Liability		TCJA 2017				(118,408,901)			4,299,012			(114,109,889)		Company Records	
5c	NOTE E																
6	Total For Accounting Entries (Sum of Lines 4a through 5b)							0	(88,292,494)	-	-	-	(3,587,716)	(100,594)	-	(84,604,184)	
NOTE F																	

GENERAL NOTE: ADIT Tax balances provided in the formula presented in Attachment H-14B are maintained on both a total company and transmission functional basis. Because both sets of numbers are presented in the formula, the information for excess and deficient ADIT is also presented for both total company and the transmission function on this worksheet. Account 261 only applies to the generation function, so is not presented in the transmission functional summary.

NOTE A: In order to ensure ratebase neutrality, AEP utilizes the fourth digit of its seven digit FERC Tax subaccount numbers to identify balances associated with utility operations vs regulatory reporting requirements. A "1" in the fourth digit of a FERC tax account refers to the utility operations balances or activity. Accounts with the "1" designation will be included in the determination of ratebase to be recovered in the formula rate. A "4" in the fourth position of the account number indicates accounts used to track regulatory accounting requirements. The excess ADIT amounts recorded in accounts with the "4" designation will be contra to the "1" balance, which will ensure that in the formula rate the excess or deficiency amounts will be part of ratebase, but at the total FERC account level the tax liability or asset will be recorded at the current Federal FIT rate. The amounts recorded in the "4" accounts will be offset on a net basis in the regulatory asset or liability subaccount established for this purpose.

NOTE B: The amount of the FIT gross up to recorded on regulatory assets and liabilities will be reported on the first line of ADIT accounts provided for each specific change in tax rates.

NOTE C: The amounts of the remeasurement shown here are as of the effective date of the change in tax rates and will remain static on this workpaper.

NOTE D: The ten year amortization period for unprotected excess ADIT is consistent with the period agreed upon by the Company and its customers and approved for the Company's PJM formula rates. *Appalachian Power Company, et al. 166 FERC ¶ 61,135 (2019)*.

NOTE E: In the event of future tax rate changes, additional lines will be inserted in both the Total Company and Transmission Functional sections above as required to reflect any new ADIT or regulatory deferral accounts that may be necessary to track that tax rate change.

NOTE F: The amount of excess amortization entries shown in lines 1a through 1j and 4a through 4h are shown as a debit or credit to the ADIT account from which it is being amortized. The total in line 3

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

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number	Source	Balance @ December 31, 2019	Balance @ December 31, 2018	Average Balance for 2019				
1								
2	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c) & (b)	1,488,852	2,234,085	1,861,469			
3	General Materials & Supplies	FF1, p. 227, In 11, Col. (c) & (b)	534,000	268,287	401,144			
4	Stores Expense (Undistributed) - Account 163	FF1, p. 227, In 16, Col. (c) & (b)	0	0	-			

Prepayment Balance Summary (Note 1)

	Average of YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	
5							
6	Totals as of December 31, 2019	8,894,826	(155,413,458)	0	6,457,064	157,851,220	164,308,284
7	Totals as of December 31, 2018	7,619,053	(151,101,371)		4,888,723	153,831,702	158,720,425
8	Average Balance	8,256,940	(153,257,414)	-	5,672,893	155,841,461	161,514,354

Prepayments Account 165 - Balance @ 12/31/2019

9	Acc. No.	Description	2019 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
10	1650001	Prepaid Insurance	4,241,590	-	-	4,241,590	-	4,241,590	Plant Related Insurance Policies
11	165000218	Prepaid Taxes	-	-	-	-	-	-	-
12	165000219	Prepaid Taxes	703,003	703,003	-	-	-	-	Prepaid Taxes-Distribution
13	1650003	Prepaid Rents	5,655	5,655	-	-	-	-	River Transport
14	1650005	Prepaid Employee Benefits	-	-	-	-	-	-	-
15	1650006	Other Prepayments	946,821	946,821	-	-	-	-	Relates to EPRI dues
16	1650009	Prepaid Carry Cost-Factored AR	155,736	155,736	-	-	-	-	AR Factoring
17	1650010	Prepaid Pension Benefits	90,682,908	-	-	90,682,908	-	90,682,908	Pre-funded Pension Expense
18	1650014	FAS 158 Qual Contra Asset	(90,682,908)	(90,682,908)	-	-	-	-	SFAS 158 Offset
19	165001119	Prepaid Sales Taxes	552,872	552,872	-	-	-	-	Prepaid Sales Tax - Distribution
20	165001219	Prepaid Use Taxes	73,675	73,675	-	-	-	-	Prepaid Use Tax - Distribution
21	1650021	Prepaid Insurance - EIS	1,856,751	-	-	1,856,751	-	1,856,751	Energy INS Services
22	1650022	Prepaid SNF Container Costs	-	-	-	-	-	-	-
23	1650023	Prepaid Lease	358,723	-	-	358,723	-	358,723	Prepaid Leases-All Functions
24	1650026	Prepaid SNF Costs	-	-	-	-	-	-	-
25	1650030	Other Payments - Long Term	-	-	-	-	-	-	Other - Dist
26	1650035	PRW without MED-D Benefits	67,168,312	-	-	67,168,312	-	67,168,312	Med-D Benefits
27	1650037	FAS 158 Contra-PRW Exc Med-D	(67,168,312)	(67,168,312)	-	-	-	-	SFAS 158 Offset
28									
29									
30		Subtotal - Form 1, p 111.57.c	8,894,826	(155,413,458)	0	6,457,064	157,851,220	164,308,284	

Prepayments Account 165 - Balance @ 12/31/2018

31	Acc. No.	Description	2018 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	3,059,010	-	-	3,059,010	-	3,059,010	Plant Related Insurance Policies
33	165000217	Prepaid Taxes	-	-	-	-	-	-	-
34	165000218	Prepaid Taxes	608,837	608,837	-	-	-	-	Prepaid Taxes-Distribution
35	1650003	Prepaid Rents	5,655	5,655	-	-	-	-	River Transport
36	1650005	Prepaid Employee Benefits	-	-	-	-	-	-	-
37	1650006	Other Prepayments	1,145,323	1,145,323	-	-	-	-	Relates to EPRI dues
38	1650009	Prepaid Carry Cost-Factored AR	176,305	176,305	-	-	-	-	AR Factoring
39	1650010	Prepaid Pension Benefits	97,553,896	-	-	97,553,896	-	97,553,896	Pre-funded Pension Expense
40	1650014	FAS 158 Qual Contra Asset	(97,553,896)	(97,553,896)	-	-	-	-	SFAS 158 Offset
41	165001118	Prepaid Sales Taxes	576,960	576,960	-	-	-	-	Prepaid Sales Tax - Distribution
42	165001218	Prepaid Use Taxes	75,398	75,398	-	-	-	-	Prepaid Use Tax - Distribution
43	1650021	Prepaid Insurance - EIS	1,547,247	-	-	1,547,247	-	1,547,247	Energy INS Services
44	1650022	Prepaid SNF Container Costs	-	-	-	-	-	-	-
45	1650023	Prepaid Lease	282,466	-	-	282,466	-	282,466	Prepaid Leases-All Functions
46	1650026	Prepaid SNF Costs	-	-	-	-	-	-	-
47	1650030	Other Payments - Long Term	141,853	141,853	-	-	-	-	Other - Dist
48	1650035	PRW without MED-D Benefits	56,277,806	-	-	56,277,806	-	56,277,806	Med-D Benefits
49	1650037	FAS 158 Contra-PRW Exc Med-D	(56,277,806)	(56,277,806)	-	-	-	-	SFAS 158 Offset
50									
51									
52		Subtotal - Form 1, p 111.57.d	7,619,053	(151,101,371)	-	4,888,723	153,831,702	158,720,425	

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 USdA Account 236).

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

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2019</u>
1	Net Funds from IPP Customers 12/31/2018 (2019 FORM 1, P269)	(3,485,177)
2	Interest Accrual (Company Records - Note 1)	(191,626)
3	Revenue Credits to Generators (Company Records - Note 1)	0
4	<u>Other Adjustments</u>	
5	Accounting Adjustment (Company Records - Note 1)	0
6		-
7	Net Funds from IPP Customers 12/31/2019 (2019 FORM 1, P269)	(3,676,803)
8	Average Balance for Year as Indicated in Column B ((ln 1 + ln 7)/2)	(3,580,990)

Note 1 On this worksheet Company Records refers to Indiana Michigan Power Company 's general ledger.

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

<u>Line Number</u>	<u>Description</u>	<u>Total Company</u>	<u>Non-Transmission</u>	<u>Transmission</u>
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)	5,746,051	5,746,051	
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)	3,753,925	3,697,139	56,787
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	8,343,790	6,499,835	1,843,955
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)	2,404,238	1,634,869	769,369
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	27,054,252	27,054,252	
5a	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)		-	
5b	Account 457.2, Miscellaneous Revenues (FF1 p.300.24.(b); Company Records - Note 1)		-	
6	Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))	47,302,256	44,632,145	2,670,110
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	47,302,256	44,632,145	2,670,110

Note 1 The total company data on this worksheet comes from the indicated FF1 source, or Indiana Michigan 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			-
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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
 Indiana Michigan Power Company

<u>Line Number</u>	<u>(A) Item No.</u>	<u>(B) Description</u>	<u>(C) 2019 Expense</u>	<u>(D) 100% Non-Transmission</u>	<u>(E) 100% Transmission Specific</u>	<u>(F) Explanation</u>
Regulatory O&M Deferrals & Amortizations						
1						
2						
3						
4		Total	<u>0</u>			
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	339,321			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling				
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	4,884,653			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	205,361			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	0			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies				
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	1,241,652			
14		Total of Account 561	<u>6,670,987</u>			
Account 928						
15	9280000	Regulatory Commission Exp	764	764	-	
16	9280001	Regulatory Commission Exp-Adm	11,748,907	11,748,907	-	
17	9280002	Regulatory Commission Exp-Case	5,103,040	5,103,040	-	
18	9280005	Reg Com Exp-FERC Trans Cases	42,327	-	42,327	
19						
20		Total (FERC Form 1 p.323.189.b)	<u>16,895,038</u>	<u>16,852,711</u>	<u>42,327</u>	
Account 930.1						
21	9301000	General Advertising Expenses	2,372	2,372	-	
22	9301001	Newspaper Advertising Space	31,831	31,831	-	
23	9301002	Radio Station Advertising Time	2,500	2,500	-	
24	9301003	TV Station Advertising Time	-	-	-	
25	9301006	Spec Corporate Comm Info Proj	392	392	-	
26	9301007	Special Adv Space & Prod Exp	-	-	-	
27	9301008	Direct Mail and Handouts	-	-	-	
28	9301009	Fairs, Shows, and Exhibits	-	-	-	
29	9301010	Publicity	1,877	1,877	-	
30	9301011	Dedications, Tours, & Openings	-	-	-	
31	9301012	Public Opinion Surveys	119,501	119,501	-	
32	9301013	Movies Slide Films & Speeches	-	-	-	
33	9301014	Video Communications	-	-	-	
34	9301015	Other Corporate Comm Exp	44,793	44,793	-	
35						
36						
37		Total (FERC Form 1 p.323.191.b)	<u>203,266</u>	<u>203,266</u>	<u>-</u>	
Account 930.2						
38	9302000	Misc General Expenses	4,087,831	4,087,831	-	
39	9302003	Corporate & Fiscal Expenses	132,403	132,403	-	
40	9302004	Research, Develop&Demonstr Exp	490	490	-	
41	9302005	Nucl Fac Ins - Replce Engy Cst	-	-	-	
42	9302006	Assoc Business Development Materials Sold	90,822	90,822	-	
43	9302007	Assoc Business Development Exp	458,678	213,911	244,767	
44	9302458	AEPSC nonaffiliated expense	-	-	-	
45		Total (FERC Form 1 p.323.192.b)	<u>4,770,224</u>	<u>4,525,457</u>	<u>244,767</u>	

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

Indiana Corporate Income Tax Rate	5.88%	
Apportionment Factor - Note 2	69.74%	
Effective State Tax Rate		4.10%
Michigan Single Business Tax Rate	6.00%	
Apportionment Factor - Note 2	14.75%	
Effective State Tax Rate		0.89%
West Virginia Corporation Income Tax Rate	6.50%	
Apportionment Factor - Note 2	2.15%	
Effective State Tax Rate		0.14%
Ohio Franchise Tax Rate	0.00%	
Phase-out Factor Note 1	0.00%	
Apportionment Factor - Note 2	0.00%	
Effective State Tax Rate		0.00%
Kentucky Corporation Income Tax Rate	5.00%	
Apportionment Factor - Note 2	1.13%	
Effective State Tax Rate		0.06%
Missouri Corporation Income Tax Rate	6.25%	
Apportionment Factor - Note 2	0.01%	
Effective State Tax Rate		0.00%
Illinois Corporation Income Tax Rate	9.50%	
Apportionment Factor - Note 2	1.65%	
Effective State Tax Rate		0.16%
Total Effective State Income Tax Rate		<u>5.35%</u>

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
Indiana Michigan Power Company

Line No.	(A) Account	(B) Total Company	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	Revenue Taxes					
2	Gross Receipts Tax	21,159,024				21,159,024
3	Real Estate and Personal Property Taxes					
4	Real and Personal Property - Michigan	46,562,994	46,562,994			
5	Real and Personal Property - Indiana	19,071,046	19,071,046			
6	Real and Personal Property - Other Jurisdictions	23,092	23,092			
7	Payroll Taxes					
8	Federal Insurance Contribution (FICA)	12,814,839		12,814,839		
9	Federal Unemployment Tax	72,338		72,338		
10	State Unemployment Insurance	389,086		389,086		
11	Production Taxes					
12	State Severance Taxes	-				-
13	Miscellaneous Taxes					
14	State Business & Occupation Tax	-				-
15	State Public Service Commission Fees	2,553,155			2,553,155	
16	State Franchise Taxes	26,789			26,789	
17	State Lic/Registration Fee	423			423	
18	Misc. State and Local Tax	(13,882)			(13,882)	
19	Sales & Use	136,859				136,859
20	Federal Excise Tax	2,445				2,445
21	Gross Receipts Audit	(239,325)				(239,325)
22						
23	Total Taxes by Allocable Basis	102,558,883	65,657,132	13,276,263	2,566,485	21,059,003

(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

	Production	Transmission	Distribution	General	Total
24 Functionalized Net Plant (TCOS, Lns 41 thru 46)	2,792,093,317	1,114,031,367	1,680,272,791	125,918,406	5,712,315,880
MICHIGAN JURISDICTION					
25 Percentage of Plant in MICHIGAN JURISDICTION	82.71%	16.36%	18.49%	14.99%	
26 Net Plant in MICHIGAN JURISDICTION (Ln 24 * Ln 25)	2,309,340,382	182,255,532	310,682,439	18,875,169	2,821,153,522
27 Less: Net Value of Exempted Generation Plant	448,826,670				
28 Taxable Property Basis (Ln 26 - Ln 27)	1,860,513,712	182,255,532	310,682,439	18,875,169	2,372,326,852
29 Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
30 Weighted Net Plant (Ln 28 * Ln 29)	1,860,513,712	182,255,532	310,682,439	18,875,169	
31 General Plant Allocator (Ln 30 / (Total - General Plant))	79.05%	7.74%	13.20%	-100.00%	
32 Functionalized General Plant (Ln 31 * General Plant)	14,921,705	1,461,727	2,491,737	(18,875,169)	-
33 Weighted MICHIGAN JURISDICTION Plant (Ln 30 + 32)	1,875,435,417	183,717,259	313,174,176	0	2,372,326,852
34 Functional Percentage (Ln 33/Total Ln 33)	79.05%	7.74%	13.20%		
INDIANA JURISDICTION					
35 Percentage of Plant in INDIANA JURISDICTION	17.29%	83.64%	81.51%	84.86%	
36 Net Plant in INDIANA JURISDICTION (Ln 24 * Ln 35)	482,752,934	931,775,835	1,369,590,352	106,854,359	2,890,973,481
37 Less: Net Value of Exempted Generation Plant	135,862,530				
38 Taxable Property Basis (Ln 36 - Ln 37)	346,890,404	931,775,835	1,369,590,352	106,854,359	2,755,110,951
39 Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
40 Weighted Net Plant (Ln 38 * Ln 39)	346,890,404	931,775,835	1,369,590,352	106,854,359	
41 General Plant Allocator (Ln 40 / (Total - General Plant))	13.10%	35.18%	51.72%	-100.00%	
42 Functionalized General Plant (Ln 41 * General Plant)	13,996,662	37,596,172	55,261,526	(106,854,359)	-
43 Weighted INDIANA JURISDICTION Plant (Ln 40 + 42)	360,887,066	969,372,007	1,424,851,878	0	2,755,110,951
44 Functional Percentage (Ln 43/Total Ln 43)	13.10%	35.18%	51.72%		

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
Indiana Michigan Power Company

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
1	Revenue Taxes			
2	Gross Receipts Tax	21,159,024	(30,176) 20,884,000 993 73,473 230,734	pg. 263, ln.18(i) pg. 263, ln.19(i) pg. 263.2, ln.30(i) pg. 263.2, ln.31(i) pg. 263.3, ln.8(i)

Line No.	(A) Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)	(B) Tax Year	(C) Total Company	(D) FERC FORM 1 Tie-Back	(E) FERC FORM 1 Reference	(F) Tax Year Factor (Note 2)	(G) Transmission Function (Note 2)
3	Real Estate and Personal Property Taxes Total (Ln 4 + Ln 5 + Ln 6 + Ln 7)		65,657,132				9,814,909
4	Real and Personal Property - Michigan	2012 2017 2018 2019 2017 2019 2017 2018	46,562,994	7,005 443,600 45,797,382 88,000 (23,209) 50,199 4,017 196,000	pg. 263.1, ln.23(i) pg. 263.1, ln.24(i) pg. 263.1, ln.25(i) pg. 263.1, ln.26(i) pg. 263.1, ln.27(i) pg. 263.1, ln.29(i) pg. 263.1, ln.30(i) pg. 263.1, ln.31(i)	10.03% 6.87% 6.66% 7.74% 6.87% 7.74% 6.87% 6.66%	3,103,703 702 30,455 3,050,108 6,815 (1,593) 3,888 276 13,054
5	Real and Personal Property - Indiana	2018 2019 2019	19,071,046	246,646 18,196,600 627,800	pg. 263, ln.27(i) pg. 263, ln.28(i) pg. 263, ln.30(i)	33.98% 35.18% 35.18%	6,707,093 83,822 6,402,383 220,888 - - - -
6	Real and Personal Property - Other	2018 2018 2018 2018 2018 2018	23,092	6,618 595 5,134 2,415 1,030 7,300	pg. 263.2, ln.16(i) pg. 263.2, ln.40(i) pg. 263.3, ln.21(i) pg. 263.3, ln.23(i) pg. 263.3, ln.24(i) pg. 263.3, ln.25(i)	17.81% 17.81% 17.81% 17.81% 17.81% 17.81%	4,113 1,179 106 915 430 183 1,300
7	Real and Personal Property - Other Jurisdictions		-				- - - -

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
8	Payroll Taxes			
9	Federal Insurance Contribution (FICA)	12,814,839	12,814,839	pg. 263, ln.5(i)
10	Federal Unemployment Tax	72,338	72,338	pg. 263, ln.6(i)
11	State Unemployment Insurance	389,086	35,537 360,938 (7,389)	pg. 263, ln.16(i) pg. 263.1, ln.12(i) pg. 263.2, ln.24(i)
12	Production Taxes			
13	State Severance Taxes	-		
14	Miscellaneous Taxes			
15	State Business & Occupation Tax	-		
16	State Public Service Commission Fees	2,553,155	935,414 774,550 566,396 276,795	pg. 263, ln.26(i) pg. 263, ln.25(i) pg. 263.1, ln.13(i) pg. 263.1, ln.14(i)
17	State Franchise Taxes	26,789	34,689 (7,900)	pg. 263, ln.37(i) pg. 263.2, ln.8(i)
18	State Lic/Registration Fee	423	300 50 21 32 20	pg. 263.1, Ln. 33(i) pg. 263.1, Ln. 10(i) pg. 263.3, Ln. 17(i) pg. 263, Ln. 15(i) pg. 263.3, Ln. 32(i)
19	Misc. State and Local Tax	(13,882)	(13,882)	pg. 263.3, Ln. 37(i)
20	Sales & Use	136,859	149 12,042 102,752 21,916	pg. 263, ln.23(i) pg. 263.1, ln.15(i) pg. 263.1, ln.16(i) pg. 263.1, ln.17(i)
21	Federal Excise Tax	2,445	2,445	pg. 263, ln.7(i)
22	Gross Receipts Audit	(239,325)	(239,325)	pg. 263.3, ln.6(i)
23	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14.(c))	102,558,883	102,558,883	

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

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

AEP East Companies
Cost of Service Formula Rate Using 2019 FF1 Balances
Worksheet I RESERVED FOR FUTURE USE
Indiana Michigan Power Company

AEP East Companies
 Cost of Service Formula Rate Using 2019 FF1 Balances
 Worksheet K Supporting Calculation of TRUE-UP PJM RTEP Project Revenue Requirement Billed to Benefiting Zones
 Indiana Michigan Power Company

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

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

ROE w/o incentives (TCOS, ln 156)				10.35%
Project ROE Incentive Adder				0
ROE with additional 0 basis point incentive				10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 154 through 156)				
	%	Cost	Weighted cost	
Long Term Debt	51.55%	4.32%	2.225%	
Preferred Stock	0.00%	0.00%	0.000%	
Common Stock	48.45%	10.35%	5.015%	
			R =	7.239%

SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR RTEPPROJECTS				
TRUE-UP YEAR	2019	Rev Require	W Incentives	Incentive Amounts
	As Projected in Prior Year WS J	\$ 5,249,721	\$ 5,249,721	\$ -
	Actual after True-up	\$ 5,686,029	\$ 5,686,029	\$ -
	True-up of ARR For 2019	436,308	436,308	-

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

Rate Base (TCOS, ln 68)	846,991,324
R (from A. above)	7.239%
Return (Rate Base x R)	61,317,882

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

Return (from B. above)	61,317,882
Effective Tax Rate (TCOS, ln 114)	23.37%
Income Tax Calculation (Return x CIT)	14,329,338
ITC Adjustment	(865,826)
Excess Deferred Income Tax	(6,157,690)
Tax Affect of Permanent Differences	1,980,853
Income Taxes	9,286,675

II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical 0 basis point ROE increase.

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

Annual Revenue Requirement (TCOS, ln 1)	142,571,243
Lease Payments (TCOS, Ln 95)	
Return (TCOS, ln 126)	61,317,882
Income Taxes (TCOS, ln 125)	9,286,675
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	71,966,686

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

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	71,966,686
Return (from I.B. above)	61,317,882
Income Taxes (from I.C. above)	9,286,675
Annual Revenue Requirement, with 0 Basis Point ROE increase	142,571,243
Depreciation (TCOS, ln 100)	30,229,401
Annual Rev. Req. w/ 0 Basis Point ROE increase, less Depreciation	112,341,842

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

Net Transmission Plant (TCOS, ln 42)	1,064,621,215
Annual Revenue Requirement, with 0 Basis Point ROE increase	142,571,243
FCR with 0 Basis Point increase in ROE	13.39%
Annual Rev. Req. w / 0 Basis Point ROE increase, less Dep.	112,341,842
FCR with 0 Basis Point ROE increase, less Depreciation	10.55%
FCR less Depreciation (TCOS, ln 10)	10.55%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2019 (TCOS, ln 21)	1,545,033,460
Annual Depreciation and Amortization Expense (TCOS, ln 100)	30,229,401
Composite Depreciation Rate	1.96%
Depreciable Life for Composite Depreciation Rate	51.11
Round to nearest whole year	51

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

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

A. Base Plan Facilities

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

Project Description:

RTEP ID: b0839 (Replace existing 450 MVA transformer at Twin Branch 345 / 138 kV with a 675 MVA transformer)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	856,880	856,880	-
Prior Yr True-Up	869,687	869,687	-
True-Up Adjustment	12,807	12,807	-

Details		Current Year	2019
Investment	8,327,150		
Service Year (yyyy)	2009	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	163,277

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2009	8,327,150	81,639	8,245,511	8,286,331	956,036	956,036	\$ -	\$ -	\$ -	\$ -	\$ -
2010	8,245,511	163,277	8,082,234	8,163,873	1,024,752	1,024,752	\$ -	\$ 1,408,114	\$ (383,362)	\$ 1,408,114	\$ (383,362)
2011	8,082,234	163,277	7,918,956	8,000,595	1,007,523	1,007,523	\$ -	\$ 1,487,355	\$ (479,832)	\$ 1,487,355	\$ (479,832)
2012	7,918,956	163,277	7,755,679	7,837,318	990,293	990,293	\$ -	\$ 1,319,695	\$ (329,402)	\$ 1,319,695	\$ (329,402)
2013	7,755,679	163,277	7,592,401	7,674,040	973,064	973,064	\$ -	\$ 1,272,484	\$ (299,420)	\$ 1,272,484	\$ (299,420)
2014	7,592,401	163,277	7,429,124	7,510,763	955,834	955,834	\$ -	\$ 1,249,385	\$ (293,551)	\$ 1,249,385	\$ (293,551)
2015	7,429,124	163,277	7,265,847	7,347,485	938,605	938,605	\$ -	\$ 1,278,273	\$ (339,668)	\$ 1,278,273	\$ (339,668)
2016	7,265,847	163,277	7,102,569	7,184,208	921,375	921,375	\$ -	\$ 1,254,654	\$ (333,279)	\$ 1,254,654	\$ (333,279)
2017	7,102,569	163,277	6,939,292	7,020,930	904,146	904,146	\$ -	\$ 1,132,871	\$ (228,725)	\$ 1,132,871	\$ (228,725)
2018	6,939,292	163,277	6,776,014	6,857,653	886,916	886,916	\$ -	\$ 933,326	\$ (46,410)	\$ 933,326	\$ (46,410)
2019	6,776,014	163,277	6,612,737	6,694,375	869,687	869,687	\$ -	\$ 856,880	\$ 12,807	\$ 856,880	\$ 12,807
2020	6,612,737	163,277	6,449,459	6,531,098	852,457	852,457	\$ -	\$ -	\$ -	\$ -	\$ -
2021	6,449,459	163,277	6,286,182	6,367,821	835,228	835,228	\$ -	\$ -	\$ -	\$ -	\$ -
2022	6,286,182	163,277	6,122,904	6,204,543	817,998	817,998	\$ -	\$ -	\$ -	\$ -	\$ -
2023	6,122,904	163,277	5,959,627	6,041,266	800,769	800,769	\$ -	\$ -	\$ -	\$ -	\$ -
2024	5,959,627	163,277	5,796,350	5,877,988	783,539	783,539	\$ -	\$ -	\$ -	\$ -	\$ -
2025	5,796,350	163,277	5,633,072	5,714,711	766,310	766,310	\$ -	\$ -	\$ -	\$ -	\$ -
2026	5,633,072	163,277	5,469,795	5,551,433	749,080	749,080	\$ -	\$ -	\$ -	\$ -	\$ -
2027	5,469,795	163,277	5,306,517	5,388,156	731,851	731,851	\$ -	\$ -	\$ -	\$ -	\$ -
2028	5,306,517	163,277	5,143,240	5,224,878	714,621	714,621	\$ -	\$ -	\$ -	\$ -	\$ -
2029	5,143,240	163,277	4,979,962	5,061,601	697,392	697,392	\$ -	\$ -	\$ -	\$ -	\$ -
2030	4,979,962	163,277	4,816,685	4,898,324	680,162	680,162	\$ -	\$ -	\$ -	\$ -	\$ -
2031	4,816,685	163,277	4,653,407	4,735,046	662,933	662,933	\$ -	\$ -	\$ -	\$ -	\$ -
2032	4,653,407	163,277	4,490,130	4,571,769	645,703	645,703	\$ -	\$ -	\$ -	\$ -	\$ -
2033	4,490,130	163,277	4,326,852	4,408,491	628,474	628,474	\$ -	\$ -	\$ -	\$ -	\$ -
2034	4,326,852	163,277	4,163,575	4,245,214	611,244	611,244	\$ -	\$ -	\$ -	\$ -	\$ -
2035	4,163,575	163,277	4,000,298	4,081,936	594,015	594,015	\$ -	\$ -	\$ -	\$ -	\$ -
2036	4,000,298	163,277	3,837,020	3,918,659	576,785	576,785	\$ -	\$ -	\$ -	\$ -	\$ -
2037	3,837,020	163,277	3,673,743	3,755,381	559,556	559,556	\$ -	\$ -	\$ -	\$ -	\$ -
2038	3,673,743	163,277	3,510,465	3,592,104	542,326	542,326	\$ -	\$ -	\$ -	\$ -	\$ -
2039	3,510,465	163,277	3,347,188	3,428,826	525,097	525,097	\$ -	\$ -	\$ -	\$ -	\$ -
2040	3,347,188	163,277	3,183,910	3,265,549	507,867	507,867	\$ -	\$ -	\$ -	\$ -	\$ -
2041	3,183,910	163,277	3,020,633	3,102,272	490,638	490,638	\$ -	\$ -	\$ -	\$ -	\$ -
2042	3,020,633	163,277	2,857,355	2,938,994	473,408	473,408	\$ -	\$ -	\$ -	\$ -	\$ -
2043	2,857,355	163,277	2,694,078	2,775,717	456,179	456,179	\$ -	\$ -	\$ -	\$ -	\$ -
2044	2,694,078	163,277	2,530,800	2,612,439	438,949	438,949	\$ -	\$ -	\$ -	\$ -	\$ -
2045	2,530,800	163,277	2,367,523	2,449,162	421,720	421,720	\$ -	\$ -	\$ -	\$ -	\$ -
2046	2,367,523	163,277	2,204,246	2,285,884	404,490	404,490	\$ -	\$ -	\$ -	\$ -	\$ -
2047	2,204,246	163,277	2,040,968	2,122,607	387,261	387,261	\$ -	\$ -	\$ -	\$ -	\$ -
2048	2,040,968	163,277	1,877,691	1,959,329	370,031	370,031	\$ -	\$ -	\$ -	\$ -	\$ -
2049	1,877,691	163,277	1,714,413	1,796,052	352,802	352,802	\$ -	\$ -	\$ -	\$ -	\$ -
2050	1,714,413	163,277	1,551,136	1,632,775	335,572	335,572	\$ -	\$ -	\$ -	\$ -	\$ -
2051	1,551,136	163,277	1,387,858	1,469,497	318,343	318,343	\$ -	\$ -	\$ -	\$ -	\$ -
2052	1,387,858	163,277	1,224,581	1,306,220	301,113	301,113	\$ -	\$ -	\$ -	\$ -	\$ -
2053	1,224,581	163,277	1,061,303	1,142,942	283,884	283,884	\$ -	\$ -	\$ -	\$ -	\$ -
2054	1,061,303	163,277	898,026	979,665	266,654	266,654	\$ -	\$ -	\$ -	\$ -	\$ -
2055	898,026	163,277	734,749	816,387	249,425	249,425	\$ -	\$ -	\$ -	\$ -	\$ -
2056	734,749	163,277	571,471	653,110	232,195	232,195	\$ -	\$ -	\$ -	\$ -	\$ -
2057	571,471	163,277	408,194	489,832	214,966	214,966	\$ -	\$ -	\$ -	\$ -	\$ -
2058	408,194	163,277	244,916	326,555	197,736	197,736	\$ -	\$ -	\$ -	\$ -	\$ -
2059	244,916	163,277	81,639	180,507	180,507	180,507	\$ -	\$ -	\$ -	\$ -	\$ -
2060	81,639	81,639	-	40,819	85,946	85,946	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals			8,327,150		31,173,465	31,173,465	-				

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1465.2 (Replace the 100 MVAR 765 kV shunt reactor bank on Rockport - Jefferson 765 kV line with a 300 MVAR bank at Rockport Station)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	65,156	65,156	-
Prior Yr True-Up	66,050	66,050	-
True-Up Adjustment	893	893	-

Details		Current Year	2019
Investment	585,981		
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	11,490

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2013	585,981	5,745	580,236	583,109	67,276	67,276	\$ -	\$ 92,625	\$ (25,349)	\$ 92,625	\$ (25,349)	\$ -
2014	580,236	11,490	568,746	574,491	72,112	72,112	\$ -	\$ 87,393	\$ (15,281)	\$ 87,393	\$ (15,281)	\$ -
2015	568,746	11,490	557,256	563,001	70,899	70,899	\$ -	\$ 87,463	\$ (16,564)	\$ 87,463	\$ (16,564)	\$ -
2016	557,256	11,490	545,767	551,512	69,687	69,687	\$ -	\$ 85,936	\$ (16,249)	\$ 85,936	\$ (16,249)	\$ -
2017	545,767	11,490	534,277	540,022	68,474	68,474	\$ -	\$ 77,494	\$ (9,020)	\$ 77,494	\$ (9,020)	\$ -
2018	534,277	11,490	522,787	528,532	67,262	67,262	\$ -	\$ 70,215	\$ (2,953)	\$ 70,215	\$ (2,953)	\$ -
2019	522,787	11,490	511,297	517,042	66,050	66,050	\$ -	\$ 65,156	\$ -	\$ 65,156	\$ -	\$ 893
2020	511,297	11,490	499,807	505,552	64,837	64,837	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	499,807	11,490	488,318	494,062	63,625	63,625	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	488,318	11,490	476,828	482,573	62,412	62,412	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	476,828	11,490	465,338	471,083	61,200	61,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	465,338	11,490	453,848	459,593	59,987	59,987	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	453,848	11,490	442,358	448,103	58,775	58,775	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	442,358	11,490	430,868	436,613	57,562	57,562	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	430,868	11,490	419,379	425,123	56,350	56,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	419,379	11,490	407,889	413,634	55,138	55,138	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	407,889	11,490	396,399	402,144	53,925	53,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	396,399	11,490	384,909	390,654	52,713	52,713	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	384,909	11,490	373,419	379,164	51,500	51,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	373,419	11,490	361,929	367,674	50,288	50,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	361,929	11,490	350,440	356,185	49,075	49,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	350,440	11,490	338,950	344,695	47,863	47,863	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	338,950	11,490	327,460	333,205	46,651	46,651	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	327,460	11,490	315,970	321,715	45,438	45,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	315,970	11,490	304,480	310,225	44,226	44,226	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	304,480	11,490	292,991	298,735	43,013	43,013	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	292,991	11,490	281,501	287,246	41,801	41,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	281,501	11,490	270,011	275,756	40,588	40,588	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	270,011	11,490	258,521	264,266	39,376	39,376	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	258,521	11,490	247,031	252,776	38,163	38,163	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	247,031	11,490	235,541	241,286	36,951	36,951	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	235,541	11,490	224,051	229,796	35,739	35,739	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	224,051	11,490	212,562	218,307	34,526	34,526	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	212,562	11,490	201,072	206,817	33,314	33,314	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	201,072	11,490	189,582	193,327	32,101	32,101	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	189,582	11,490	178,092	183,837	30,889	30,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	178,092	11,490	166,602	172,347	29,676	29,676	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	166,602	11,490	155,113	160,858	28,464	28,464	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	155,113	11,490	143,623	149,368	27,252	27,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	143,623	11,490	132,133	137,878	26,039	26,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	132,133	11,490	120,643	126,388	24,827	24,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	120,643	11,490	109,153	114,898	23,614	23,614	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	109,153	11,490	97,664	103,408	22,402	22,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	97,664	11,490	86,174	91,919	21,189	21,189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	86,174	11,490	74,684	80,429	19,977	19,977	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	74,684	11,490	63,194	68,939	18,764	18,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	63,194	11,490	51,704	57,449	17,552	17,552	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	51,704	11,490	40,214	45,959	16,340	16,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	40,214	11,490	28,725	34,469	15,127	15,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	28,725	11,490	17,235	22,980	13,915	13,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	17,235	11,490	5,745	11,490	12,702	12,702	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	5,745	5,745	-	2,872	6,048	6,048	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals		585,981			2,193,675	2,193,675	-					

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1465.3 (Transpose the Rockport - Sullivan 765 kV line and the Rockport - Jefferson 765 kV line)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	2,433,873	2,433,873	-
Prior Yr True-Up	2,467,350	2,467,350	-
True-Up Adjustment	33,477	33,477	-

Details	2019	Current Year	2019
Investment	21,957,101		
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	4	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	430,531

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2013	21,957,101	287,021	21,670,080	21,813,591	2,588,853	2,588,853	\$ -	\$ 1,301,059	\$ 1,287,794	\$ 1,301,059	\$ 1,287,794	\$ -
2014	21,670,080	430,531	21,239,549	21,454,814	2,694,504	2,694,504	\$ -	\$ 3,243,481	\$ (548,977)	\$ 3,243,481	\$ (548,977)	\$ -
2015	21,239,549	430,531	20,809,017	21,024,283	2,649,073	2,649,073	\$ -	\$ 3,604,460	\$ (955,387)	\$ 3,604,460	\$ (955,387)	\$ -
2016	20,809,017	430,531	20,378,486	20,593,752	2,603,642	2,603,642	\$ -	\$ 3,506,792	\$ (903,150)	\$ 3,506,792	\$ (903,150)	\$ -
2017	20,378,486	430,531	19,947,955	20,163,220	2,558,211	2,558,211	\$ -	\$ 3,162,406	\$ (604,195)	\$ 3,162,406	\$ (604,195)	\$ -
2018	19,947,955	430,531	19,517,423	19,732,689	2,512,781	2,512,781	\$ -	\$ 2,623,914	\$ (111,133)	\$ 2,623,914	\$ (111,133)	\$ -
2019	19,517,423	430,531	19,086,892	19,302,157	2,467,350	2,467,350	\$ -	\$ 2,433,873	\$ 33,477	\$ 2,433,873	\$ 33,477	\$ -
2020	19,086,892	430,531	18,656,360	18,871,626	2,421,919	2,421,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	18,656,360	430,531	18,225,829	18,441,095	2,376,488	2,376,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	18,225,829	430,531	17,795,298	18,010,563	2,331,057	2,331,057	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	17,795,298	430,531	17,364,766	17,580,032	2,285,626	2,285,626	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	17,364,766	430,531	16,934,235	17,149,500	2,240,195	2,240,195	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	16,934,235	430,531	16,503,703	16,718,969	2,194,764	2,194,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	16,503,703	430,531	16,073,172	16,288,438	2,149,333	2,149,333	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	16,073,172	430,531	15,642,641	15,857,906	2,103,903	2,103,903	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	15,642,641	430,531	15,212,109	15,427,375	2,058,472	2,058,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	15,212,109	430,531	14,781,578	14,996,843	2,013,041	2,013,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	14,781,578	430,531	14,351,046	14,566,312	1,967,610	1,967,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	14,351,046	430,531	13,920,515	14,135,781	1,922,179	1,922,179	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	13,920,515	430,531	13,489,984	13,705,249	1,876,748	1,876,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	13,489,984	430,531	13,059,452	13,274,718	1,831,317	1,831,317	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	13,059,452	430,531	12,628,921	12,844,187	1,785,886	1,785,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	12,628,921	430,531	12,198,389	12,413,655	1,740,455	1,740,455	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	12,198,389	430,531	11,767,858	11,983,124	1,695,025	1,695,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	11,767,858	430,531	11,337,327	11,552,592	1,649,594	1,649,594	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	11,337,327	430,531	10,906,795	11,122,061	1,604,163	1,604,163	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	10,906,795	430,531	10,476,264	10,691,530	1,558,732	1,558,732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	10,476,264	430,531	10,045,732	10,260,998	1,513,301	1,513,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	10,045,732	430,531	9,615,201	9,830,467	1,467,870	1,467,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	9,615,201	430,531	9,184,670	9,399,935	1,422,439	1,422,439	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	9,184,670	430,531	8,754,138	8,969,404	1,377,008	1,377,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	8,754,138	430,531	8,323,607	8,538,873	1,331,577	1,331,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	8,323,607	430,531	7,893,076	8,108,341	1,286,146	1,286,146	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	7,893,076	430,531	7,462,544	7,677,810	1,240,716	1,240,716	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	7,462,544	430,531	7,032,013	7,247,278	1,195,285	1,195,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	7,032,013	430,531	6,601,481	6,816,747	1,149,854	1,149,854	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	6,601,481	430,531	6,170,950	6,386,216	1,104,423	1,104,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	6,170,950	430,531	5,740,419	5,955,684	1,058,992	1,058,992	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	5,740,419	430,531	5,309,887	5,525,153	1,013,561	1,013,561	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	5,309,887	430,531	4,879,356	5,094,621	968,130	968,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	4,879,356	430,531	4,448,824	4,664,090	922,699	922,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	4,448,824	430,531	4,018,293	4,233,559	877,268	877,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	4,018,293	430,531	3,587,762	3,803,027	831,838	831,838	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	3,587,762	430,531	3,157,230	3,372,496	786,407	786,407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	3,157,230	430,531	2,726,699	2,941,965	740,976	740,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	2,726,699	430,531	2,296,167	2,511,433	695,545	695,545	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	2,296,167	430,531	1,865,636	2,080,902	650,114	650,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	1,865,636	430,531	1,435,105	1,650,370	604,683	604,683	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	1,435,105	430,531	1,004,573	1,219,839	559,252	559,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	1,004,573	430,531	574,042	789,308	513,821	513,821	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	574,042	430,531	143,510	356,776	468,390	468,390	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	143,510	430,531	-	71,755	151,082	151,082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	21,957,101		21,957,101		81,812,299	81,812,299	-					

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1659.14 (Fort Wayne - Marion: Relocate 138 kV line due to new 765 kV build into Sorenson)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected		125,631	125,631
Prior Yr True-Up		133,041	133,041
True-Up Adjustment		7,411	7,411

Details		Current Year	2019
Investment	1,112,263		
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	21,809

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2016	1,112,263	3,635	1,108,628	1,110,446	120,812	120,812	\$ -	\$ 226,163	\$ (105,351)	\$ 226,163	\$ (105,351)	\$ -
2017	1,108,628	21,809	1,086,819	1,097,724	137,644	137,644	\$ -	\$ 7,946	\$ 129,698	\$ 7,946	\$ 129,698	\$ -
2018	1,086,819	21,809	1,065,010	1,075,915	135,343	135,343	\$ -	\$ 18,182	\$ 117,161	\$ 18,182	\$ 117,161	\$ -
2019	1,065,010	21,809	1,043,201	1,054,105	133,041	133,041	\$ -	\$ 125,631	\$ 7,411	\$ 125,631	\$ 7,411	\$ -
2020	1,043,201	21,809	1,021,392	1,032,296	130,740	130,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	1,021,392	21,809	999,583	1,010,487	128,439	128,439	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	999,583	21,809	977,774	988,678	126,137	126,137	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	977,774	21,809	955,965	966,869	123,836	123,836	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	955,965	21,809	934,156	945,060	121,534	121,534	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	934,156	21,809	912,346	923,251	119,233	119,233	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	912,346	21,809	890,537	901,442	116,932	116,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	890,537	21,809	868,728	879,633	114,630	114,630	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	868,728	21,809	846,919	857,824	112,329	112,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	846,919	21,809	825,110	836,015	110,028	110,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	825,110	21,809	803,301	814,206	107,726	107,726	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	803,301	21,809	781,492	792,397	105,425	105,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	781,492	21,809	759,683	770,587	103,124	103,124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	759,683	21,809	737,874	748,778	100,822	100,822	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	737,874	21,809	716,065	726,969	98,521	98,521	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	716,065	21,809	694,256	705,160	96,220	96,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	694,256	21,809	672,447	683,351	93,918	93,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	672,447	21,809	650,638	661,542	91,617	91,617	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	650,638	21,809	628,828	639,733	89,316	89,316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	628,828	21,809	607,019	617,924	87,014	87,014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	607,019	21,809	585,210	596,115	84,713	84,713	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	585,210	21,809	563,401	574,306	82,411	82,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	563,401	21,809	541,592	552,497	80,110	80,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	541,592	21,809	519,783	530,688	77,809	77,809	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	519,783	21,809	497,974	508,878	75,507	75,507	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	497,974	21,809	476,165	487,069	73,206	73,206	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	476,165	21,809	454,356	465,260	70,905	70,905	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	454,356	21,809	432,547	443,451	68,603	68,603	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	432,547	21,809	410,738	421,642	66,302	66,302	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	410,738	21,809	388,929	399,833	64,001	64,001	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	388,929	21,809	367,119	378,024	61,699	61,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	367,119	21,809	345,310	356,215	59,398	59,398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	345,310	21,809	323,501	334,406	57,097	57,097	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	323,501	21,809	301,692	312,597	54,795	54,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	301,692	21,809	279,883	290,788	52,494	52,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	279,883	21,809	258,074	268,979	50,192	50,192	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	258,074	21,809	236,265	247,170	47,891	47,891	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	236,265	21,809	214,456	225,360	45,590	45,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	214,456	21,809	192,647	203,551	43,288	43,288	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	192,647	21,809	170,838	181,742	40,987	40,987	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	170,838	21,809	149,029	159,933	38,686	38,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	149,029	21,809	127,220	138,124	36,384	36,384	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	127,220	21,809	105,411	116,315	34,083	34,083	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	105,411	21,809	83,601	94,506	31,782	31,782	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	83,601	21,809	61,792	72,697	29,480	29,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	61,792	21,809	39,983	50,888	27,179	27,179	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	39,983	21,809	18,174	29,079	24,878	24,878	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	18,174	21,809	-	9,087	19,133	19,133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	1,112,263				4,202,984	4,202,984	-					

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2048 (Tanners Creek - Support for Transformer A/B Replacement)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	91,807	91,807	-
Prior Yr True-Up	93,052	93,052	-
True-Up Adjustment	1,245	1,245	-

Details	818,037	Current Year	2019
Investment	818,037		
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	16,040

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2013	818,037		818,037	818,037	86,322	86,322	\$ -	\$ -	\$ -	\$ 0	\$ -	\$ -
2014	818,037	16,040	801,997	810,017	101,515	101,515	\$ -	\$ 139,756	\$ (38,241)	\$ 91,807	\$ (38,241)	\$ (38,241)
2015	801,997	16,040	785,957	793,977	99,823	99,823	\$ -	\$ 133,078	\$ (33,255)	\$ 133,078	\$ (33,255)	\$ (33,255)
2016	785,957	16,040	769,917	777,937	98,130	98,130	\$ -	\$ 132,118	\$ (33,988)	\$ 132,118	\$ (33,988)	\$ (33,988)
2017	769,917	16,040	753,877	761,897	96,437	96,437	\$ -	\$ 119,121	\$ (22,684)	\$ 119,121	\$ (22,684)	\$ (22,684)
2018	753,877	16,040	737,837	745,857	94,745	94,745	\$ -	\$ 98,812	\$ (4,067)	\$ 98,812	\$ (4,067)	\$ (4,067)
2019	737,837	16,040	721,797	729,817	93,052	93,052	\$ -	\$ 91,807	\$ 1,245	\$ 91,807	\$ 1,245	\$ 1,245
2020	721,797	16,040	705,757	713,777	91,360	91,360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	705,757	16,040	689,717	697,737	89,667	89,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	689,717	16,040	673,678	681,698	87,975	87,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	673,678	16,040	657,638	665,658	86,282	86,282	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	657,638	16,040	641,598	649,618	84,589	84,589	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	641,598	16,040	625,558	633,578	82,897	82,897	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	625,558	16,040	609,518	617,538	81,204	81,204	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	609,518	16,040	593,478	601,498	79,512	79,512	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	593,478	16,040	577,438	585,458	77,819	77,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	577,438	16,040	561,398	569,418	76,127	76,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	561,398	16,040	545,358	553,378	74,434	74,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	545,358	16,040	529,318	537,338	72,741	72,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	529,318	16,040	513,278	521,298	71,049	71,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	513,278	16,040	497,238	505,258	69,356	69,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	497,238	16,040	481,198	489,218	67,664	67,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	481,198	16,040	465,158	473,178	65,971	65,971	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	465,158	16,040	449,118	457,138	64,278	64,278	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	449,118	16,040	433,078	441,098	62,586	62,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	433,078	16,040	417,038	425,058	60,893	60,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	417,038	16,040	400,998	408,018	59,201	59,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	400,998	16,040	384,958	392,978	57,508	57,508	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	384,958	16,040	368,918	376,938	55,816	55,816	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	368,918	16,040	352,878	360,898	54,123	54,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	352,878	16,040	336,838	344,858	52,430	52,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	336,838	16,040	320,798	328,818	50,738	50,738	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	320,798	16,040	304,758	312,778	49,045	49,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	304,758	16,040	288,718	296,738	47,353	47,353	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	288,718	16,040	272,678	280,698	45,660	45,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	272,678	16,040	256,638	264,658	43,968	43,968	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	256,638	16,040	240,598	248,618	42,275	42,275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	240,598	16,040	224,558	232,578	40,582	40,582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	224,558	16,040	208,518	216,538	38,890	38,890	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	208,518	16,040	192,478	200,498	37,197	37,197	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	192,478	16,040	176,438	184,458	35,505	35,505	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	176,438	16,040	160,398	168,418	33,812	33,812	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	160,398	16,040	144,358	152,378	32,119	32,119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	144,358	16,040	128,320	136,338	30,427	30,427	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	128,320	16,040	112,280	120,300	28,734	28,734	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	112,280	16,040	96,240	104,260	27,042	27,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	96,240	16,040	80,200	88,220	25,349	25,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	80,200	16,040	64,160	72,180	23,657	23,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	64,160	16,040	48,120	56,140	21,964	21,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	48,120	16,040	32,080	40,100	20,271	20,271	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	32,080	16,040	16,040	24,060	18,579	18,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	16,040	16,040	-	8,020	16,886	16,886	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals		818,037			3,105,559	3,105,559	-					

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1818 (Expand the Allen station by installing a second 345/138 kV transformer and adding four exits by cutting in the Lincoln-Sterling and Timber Switch -Milan 138 kV double circuit tower line)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected		1,164,196	1,164,196
Prior Yr True-Up		1,502,204	1,502,204
True-Up Adjustment		338,008	338,008

Details	13,008,915	Current Year	2019
Investment	13,008,915		
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	255,077

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	13,008,915	42,513	12,966,403	12,987,659	1,413,007	1,413,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2015	12,966,403	255,077	12,711,326	12,838,864	1,609,870	1,609,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	12,711,326	255,077	12,456,249	12,583,787	1,582,954	1,582,954	\$ -	\$ 248,467	\$ 1,361,403	\$ 248,467	\$ 1,361,403	\$ -
2017	12,456,249	255,077	12,201,172	12,328,711	1,556,037	1,556,037	\$ -	\$ 562,247	\$ 1,020,707	\$ 562,247	\$ 1,020,707	\$ -
2018	12,201,172	255,077	11,946,096	12,073,634	1,529,121	1,529,121	\$ -	\$ 1,427,903	\$ 128,134	\$ 1,427,903	\$ 128,134	\$ -
2019	11,946,096	255,077	11,691,019	11,818,557	1,502,204	1,502,204	\$ -	\$ 1,271,398	\$ 257,723	\$ 1,271,398	\$ 257,723	\$ -
2020	11,691,019	255,077	11,435,942	11,563,480	1,475,288	1,475,288	\$ -	\$ 1,164,196	\$ 338,008	\$ 1,164,196	\$ 338,008	\$ -
2021	11,435,942	255,077	11,180,865	11,308,404	1,448,372	1,448,372	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	11,180,865	255,077	10,925,788	11,053,327	1,421,455	1,421,455	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	10,925,788	255,077	10,670,712	10,798,250	1,394,539	1,394,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	10,670,712	255,077	10,415,635	10,543,173	1,367,622	1,367,622	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	10,415,635	255,077	10,160,558	10,288,097	1,340,706	1,340,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	10,160,558	255,077	9,905,481	10,033,020	1,313,789	1,313,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	9,905,481	255,077	9,650,405	9,777,943	1,286,873	1,286,873	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	9,650,405	255,077	9,395,328	9,522,866	1,259,957	1,259,957	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	9,395,328	255,077	9,140,251	9,267,789	1,233,040	1,233,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	9,140,251	255,077	8,885,174	9,012,713	1,206,124	1,206,124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	8,885,174	255,077	8,630,097	8,757,636	1,179,207	1,179,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	8,630,097	255,077	8,375,021	8,502,559	1,152,291	1,152,291	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	8,375,021	255,077	8,119,944	8,247,482	1,125,374	1,125,374	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	8,119,944	255,077	7,864,867	7,992,406	1,098,458	1,098,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	7,864,867	255,077	7,609,790	7,737,329	1,071,542	1,071,542	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	7,609,790	255,077	7,354,714	7,482,252	1,044,625	1,044,625	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	7,354,714	255,077	7,099,637	7,227,175	1,017,709	1,017,709	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	7,099,637	255,077	6,844,560	6,972,098	990,792	990,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	6,844,560	255,077	6,589,483	6,717,022	963,876	963,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	6,589,483	255,077	6,334,407	6,461,945	936,959	936,959	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	6,334,407	255,077	6,079,330	6,206,868	910,043	910,043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	6,079,330	255,077	5,824,253	5,951,791	883,127	883,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	5,824,253	255,077	5,569,176	5,696,715	856,210	856,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	5,569,176	255,077	5,314,099	5,441,638	829,294	829,294	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	5,314,099	255,077	5,059,023	5,186,561	802,377	802,377	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	5,059,023	255,077	4,803,946	4,931,484	775,461	775,461	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	4,803,946	255,077	4,548,869	4,676,408	748,545	748,545	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	4,548,869	255,077	4,293,792	4,421,331	721,628	721,628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	4,293,792	255,077	4,038,716	4,166,254	694,712	694,712	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	4,038,716	255,077	3,783,639	3,911,177	667,795	667,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	3,783,639	255,077	3,528,562	3,656,100	640,879	640,879	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	3,528,562	255,077	3,273,485	3,401,024	613,962	613,962	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	3,273,485	255,077	3,018,408	3,145,947	587,046	587,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	3,018,408	255,077	2,763,332	2,890,870	560,130	560,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	2,763,332	255,077	2,508,255	2,635,793	533,213	533,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	2,508,255	255,077	2,253,178	2,380,717	506,297	506,297	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	2,253,178	255,077	1,998,101	2,125,640	479,380	479,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	1,998,101	255,077	1,743,025	1,870,563	452,464	452,464	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	1,743,025	255,077	1,487,948	1,615,486	425,547	425,547	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	1,487,948	255,077	1,232,871	1,360,409	398,631	398,631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	1,232,871	255,077	977,794	1,105,333	371,715	371,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	977,794	255,077	722,718	850,256	344,798	344,798	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	722,718	255,077	467,641	595,179	317,882	317,882	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	467,641	255,077	212,564	340,102	290,965	290,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	212,564	255,077	-	106,282	223,779	223,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	13,008,915				49,157,671	49,157,671	-					

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

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

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

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

A. Base Plan Facilities

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

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

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected		374,139	374,139
Prior Yr True-Up		397,763	397,763
True-Up Adjustment		23,624	23,624

Details		Current Year	2019
Investment	3,315,853		
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	65,017

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2016	3,315,853		3,315,853	3,315,853	349,898	349,898	\$ -	\$ 486,138	\$ (136,240)	\$ 486,138	\$ (136,240)	\$ -
2017	3,315,853	65,017	3,250,836	3,283,345	411,485	411,485	\$ -	\$ 574,408	\$ (162,923)	\$ 574,408	\$ (162,923)	\$ -
2018	3,250,836	65,017	3,185,820	3,218,328	404,624	404,624	\$ -	\$ 355,679	\$ 48,945	\$ 355,679	\$ 48,945	\$ -
2019	3,185,820	65,017	3,120,803	3,153,311	397,763	397,763	\$ -	\$ 374,139	\$ 23,624	\$ 374,139	\$ 23,624	\$ -
2020	3,120,803	65,017	3,055,786	3,088,294	390,902	390,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	3,055,786	65,017	2,990,769	3,023,278	384,042	384,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	2,990,769	65,017	2,925,753	2,958,261	377,181	377,181	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	2,925,753	65,017	2,860,736	2,893,244	370,320	370,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	2,860,736	65,017	2,795,719	2,828,228	363,459	363,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	2,795,719	65,017	2,730,702	2,763,211	356,599	356,599	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	2,730,702	65,017	2,665,686	2,698,194	349,738	349,738	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	2,665,686	65,017	2,600,669	2,633,177	342,877	342,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	2,600,669	65,017	2,535,652	2,568,161	336,016	336,016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	2,535,652	65,017	2,470,636	2,503,144	329,156	329,156	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	2,470,636	65,017	2,405,619	2,438,127	322,295	322,295	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	2,405,619	65,017	2,340,602	2,373,110	315,434	315,434	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	2,340,602	65,017	2,275,585	2,308,094	308,573	308,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	2,275,585	65,017	2,210,569	2,243,077	301,713	301,713	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	2,210,569	65,017	2,145,552	2,178,060	294,852	294,852	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	2,145,552	65,017	2,080,535	2,113,044	287,991	287,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	2,080,535	65,017	2,015,518	2,048,027	281,130	281,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	2,015,518	65,017	1,950,502	1,983,010	274,270	274,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	1,950,502	65,017	1,885,485	1,917,993	267,409	267,409	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	1,885,485	65,017	1,820,468	1,852,977	260,548	260,548	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	1,820,468	65,017	1,755,452	1,787,960	253,687	253,687	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	1,755,452	65,017	1,690,435	1,722,943	246,827	246,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	1,690,435	65,017	1,625,418	1,657,927	239,966	239,966	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	1,625,418	65,017	1,560,401	1,592,910	233,105	233,105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	1,560,401	65,017	1,495,385	1,527,893	226,244	226,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	1,495,385	65,017	1,430,368	1,462,876	219,384	219,384	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	1,430,368	65,017	1,365,351	1,397,860	212,523	212,523	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	1,365,351	65,017	1,300,335	1,332,843	205,662	205,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	1,300,335	65,017	1,235,318	1,267,826	198,801	198,801	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	1,235,318	65,017	1,170,301	1,202,809	191,941	191,941	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	1,170,301	65,017	1,105,284	1,137,793	185,080	185,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	1,105,284	65,017	1,040,268	1,072,776	178,219	178,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	1,040,268	65,017	975,251	1,007,759	171,358	171,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	975,251	65,017	910,234	942,743	164,498	164,498	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	910,234	65,017	845,217	877,726	157,637	157,637	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	845,217	65,017	780,201	812,709	150,776	150,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	780,201	65,017	715,184	747,692	143,915	143,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	715,184	65,017	650,167	682,676	137,055	137,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	650,167	65,017	585,151	617,659	130,194	130,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	585,151	65,017	520,134	552,642	123,333	123,333	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	520,134	65,017	455,117	487,625	116,472	116,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	455,117	65,017	390,100	422,609	109,612	109,612	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	390,100	65,017	325,084	357,592	102,751	102,751	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	325,084	65,017	260,067	292,575	95,890	95,890	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	260,067	65,017	195,050	227,559	89,029	89,029	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	195,050	65,017	130,033	162,542	82,169	82,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	130,033	65,017	65,017	97,525	75,308	75,308	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	65,017	65,017	-	32,508	68,447	68,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals		3,315,853			12,588,155	12,588,155	-					

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1465.4 (Make switching improvements at Sullivan and Jefferson 765 kV stations)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	-	-	-
Prior Yr True-Up	-	-	-
True-Up Adjustment	-	-	-

Details		Current Year	2019
Investment	-	-	-
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	-

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2016	-	-	-	-	-	-	-	\$ 149,902	\$ (149,902)	\$ 149,902	\$ (149,902)	\$ -
2017	-	-	-	-	-	-	-	\$ 92,121	\$ (92,121)	\$ 92,121	\$ (92,121)	\$ -
2018	-	-	-	-	-	-	-	\$ 77,231	\$ (77,231)	\$ 77,231	\$ (77,231)	\$ -
2019	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-	-	-
2041	-	-	-	-	-	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-	-	-	-	-	-
2045	-	-	-	-	-	-	-	-	-	-	-	-
2046	-	-	-	-	-	-	-	-	-	-	-	-
2047	-	-	-	-	-	-	-	-	-	-	-	-
2048	-	-	-	-	-	-	-	-	-	-	-	-
2049	-	-	-	-	-	-	-	-	-	-	-	-
2050	-	-	-	-	-	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-	-	-	-	-	-
2052	-	-	-	-	-	-	-	-	-	-	-	-
2053	-	-	-	-	-	-	-	-	-	-	-	-
2054	-	-	-	-	-	-	-	-	-	-	-	-
2055	-	-	-	-	-	-	-	-	-	-	-	-
2056	-	-	-	-	-	-	-	-	-	-	-	-
2057	-	-	-	-	-	-	-	-	-	-	-	-
2058	-	-	-	-	-	-	-	-	-	-	-	-
2059	-	-	-	-	-	-	-	-	-	-	-	-
2060	-	-	-	-	-	-	-	-	-	-	-	-
2061	-	-	-	-	-	-	-	-	-	-	-	-
2062	-	-	-	-	-	-	-	-	-	-	-	-
2063	-	-	-	-	-	-	-	-	-	-	-	-
2064	-	-	-	-	-	-	-	-	-	-	-	-
2065	-	-	-	-	-	-	-	-	-	-	-	-
2066	-	-	-	-	-	-	-	-	-	-	-	-
2067	-	-	-	-	-	-	-	-	-	-	-	-
2068	-	-	-	-	-	-	-	-	-	-	-	-
2069	-	-	-	-	-	-	-	-	-	-	-	-
2070	-	-	-	-	-	-	-	-	-	-	-	-
2071	-	-	-	-	-	-	-	-	-	-	-	-
2072	-	-	-	-	-	-	-	-	-	-	-	-
2073	-	-	-	-	-	-	-	-	-	-	-	-
2074	-	-	-	-	-	-	-	-	-	-	-	-
2075	-	-	-	-	-	-	-	-	-	-	-	-
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.

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1465.5 (Make switching changes at Sullivan 765 kV station)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected		70,226	70,226
Prior Yr True-Up		76,544	76,544
True-Up Adjustment		6,319	6,319

Details	Investment	633,540	Current Year	2019
Investment		633,540		
Service Year (yyyy)		2017	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)		5	FCR w/o incentives, less depreciation	10.55%
Useful life		51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)		No	Annual Depreciation Expense	12,422

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2017	633,540	7,246	626,294	629,917	73,717	73,717	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2018	626,294	12,422	613,871	620,082	77,855	77,855	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2019	613,871	12,422	601,449	607,660	76,544	76,544	\$ -	\$ 70,226	\$ 6,319	\$ 70,226	\$ 6,319	\$ -
2020	601,449	12,422	589,027	595,238	75,234	75,234	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	589,027	12,422	576,604	582,815	73,923	73,923	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	576,604	12,422	564,182	570,393	72,612	72,612	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	564,182	12,422	551,760	557,971	71,301	71,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	551,760	12,422	539,337	545,548	69,990	69,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	539,337	12,422	526,915	533,126	68,679	68,679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	526,915	12,422	514,492	520,704	67,368	67,368	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	514,492	12,422	502,070	508,281	66,058	66,058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	502,070	12,422	489,648	495,859	64,747	64,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	489,648	12,422	477,225	483,437	63,436	63,436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	477,225	12,422	464,803	471,014	62,125	62,125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	464,803	12,422	452,381	458,592	60,814	60,814	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	452,381	12,422	439,958	446,170	59,503	59,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	439,958	12,422	427,536	433,747	58,193	58,193	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	427,536	12,422	415,114	421,325	56,882	56,882	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	415,114	12,422	402,691	408,902	55,571	55,571	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	402,691	12,422	390,269	396,480	54,260	54,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	390,269	12,422	377,847	384,058	52,949	52,949	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	377,847	12,422	365,424	371,635	51,638	51,638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	365,424	12,422	353,002	359,213	50,328	50,328	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	353,002	12,422	340,580	346,791	49,017	49,017	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	340,580	12,422	328,157	334,368	47,706	47,706	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	328,157	12,422	315,735	321,946	46,395	46,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	315,735	12,422	303,312	309,524	45,084	45,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	303,312	12,422	290,890	297,101	43,773	43,773	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	290,890	12,422	278,468	284,679	42,462	42,462	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	278,468	12,422	266,045	272,257	41,152	41,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	266,045	12,422	253,623	259,834	39,841	39,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	253,623	12,422	241,201	247,412	38,530	38,530	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	241,201	12,422	228,778	234,990	37,219	37,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	228,778	12,422	216,356	222,567	35,908	35,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	216,356	12,422	203,934	210,145	34,597	34,597	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	203,934	12,422	191,511	197,722	33,287	33,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	191,511	12,422	179,089	185,300	31,976	31,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	179,089	12,422	166,667	172,878	30,665	30,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	166,667	12,422	154,244	160,455	29,354	29,354	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	154,244	12,422	141,822	148,033	28,043	28,043	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	141,822	12,422	129,400	135,611	26,732	26,732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	129,400	12,422	116,977	123,188	25,422	25,422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	116,977	12,422	104,555	110,766	24,111	24,111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	104,555	12,422	92,132	98,344	22,800	22,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	92,132	12,422	79,710	85,921	21,489	21,489	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	79,710	12,422	67,288	73,499	20,178	20,178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	67,288	12,422	54,865	61,077	18,867	18,867	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	54,865	12,422	42,443	48,654	17,556	17,556	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	42,443	12,422	30,021	36,232	16,246	16,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	30,021	12,422	17,598	23,810	14,935	14,935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	17,598	12,422	5,176	11,387	13,624	13,624	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	5,176	5,176	-	2,588	5,449	5,449	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2076	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	633,540	633,540	-	-	2,366,145	2,366,145	-	-	-	-	-	-

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2831.1 (Upgrade the Tanner Creek-Miami Fort 345kV circuit)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected		67,813	67,813
Prior Yr True-Up	80,337		80,337
True-Up Adjustment		12,524	12,524

Details		Current Year	2019
Investment	653,739		
Service Year (yyyy)	2018	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	5	FCR w/o incentives, less depreciation	10.55%
Useful life	51	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	12,818

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't. From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't. From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2018	653,739	7,477	646,262	650,001	76,067	76,067	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2019	646,262	12,818	633,443	639,853	80,337	80,337	\$ -	\$ 67,813	\$ 12,524	\$ 67,813	\$ 12,524	\$ -
2020	633,443	12,818	620,625	627,034	78,985	78,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	620,625	12,818	607,807	614,216	77,632	77,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	607,807	12,818	594,988	601,397	76,280	76,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	594,988	12,818	582,170	588,579	74,927	74,927	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	582,170	12,818	569,351	575,761	73,574	73,574	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	569,351	12,818	556,533	562,942	72,222	72,222	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	556,533	12,818	543,715	550,124	70,869	70,869	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	543,715	12,818	530,896	537,305	69,516	69,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	530,896	12,818	518,078	524,487	68,164	68,164	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	518,078	12,818	505,259	511,668	66,811	66,811	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	505,259	12,818	492,441	498,850	65,458	65,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	492,441	12,818	479,622	486,032	64,106	64,106	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	479,622	12,818	466,804	473,213	62,753	62,753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	466,804	12,818	453,986	460,395	61,401	61,401	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	453,986	12,818	441,167	447,576	60,048	60,048	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	441,167	12,818	428,349	434,758	58,695	58,695	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	428,349	12,818	415,530	421,940	57,343	57,343	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	415,530	12,818	402,712	409,121	55,990	55,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	402,712	12,818	389,894	396,303	54,637	54,637	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	389,894	12,818	377,075	383,484	53,285	53,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	377,075	12,818	364,257	370,666	51,932	51,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	364,257	12,818	351,438	357,847	50,579	50,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	351,438	12,818	338,620	345,029	49,227	49,227	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	338,620	12,818	325,801	332,211	47,874	47,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	325,801	12,818	312,983	319,392	46,522	46,522	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	312,983	12,818	300,165	306,574	45,169	45,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	300,165	12,818	287,346	293,755	43,816	43,816	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	287,346	12,818	274,528	280,937	42,464	42,464	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	274,528	12,818	261,709	268,119	41,111	41,111	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	261,709	12,818	248,891	255,300	39,758	39,758	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	248,891	12,818	236,073	242,482	38,406	38,406	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	236,073	12,818	223,254	229,663	37,053	37,053	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	223,254	12,818	210,436	216,845	35,701	35,701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	210,436	12,818	197,617	204,026	34,348	34,348	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	197,617	12,818	184,799	191,208	32,995	32,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	184,799	12,818	171,980	178,390	31,643	31,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	171,980	12,818	159,162	165,571	30,290	30,290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	159,162	12,818	146,344	152,753	28,937	28,937	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	146,344	12,818	133,525	139,934	27,585	27,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	133,525	12,818	120,707	127,116	26,232	26,232	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	120,707	12,818	107,888	114,298	24,879	24,879	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	107,888	12,818	95,070	101,479	23,527	23,527	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	95,070	12,818	82,252	88,661	22,174	22,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	82,252	12,818	69,433	75,842	20,822	20,822	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	69,433	12,818	56,615	63,024	19,469	19,469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	56,615	12,818	43,796	50,205	18,116	18,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	43,796	12,818	30,978	37,387	16,764	16,764	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	30,978	12,818	18,159	24,569	15,411	15,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	18,159	12,818	5,341	11,750	14,058	14,058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	5,341	-	-	2,671	5,623	5,623	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2076	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2077	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	653,739				2,441,585	2,441,585	-					

** 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.

AEP East Companies
Cost of Service Formula Rate Using 2019 FF1 Balances
Worksheet L Reserved for Future Use
Indiana Michigan 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
 Indiana Michigan Power Company

Line No	Month (a)	Average Balance of Common Equity				Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	
(Note A)		(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	2,352,848,356	-	(6,033,664)	(13,760,206)	2,372,642,226
2	January	2,385,108,475	-	(5,968,838)	(13,626,681)	2,404,703,994
3	February	2,387,720,844	-	(5,940,324)	(13,493,156)	2,407,154,324
4	March	2,432,140,062	-	(5,910,125)	(13,402,355)	2,451,452,541
5	April	2,438,121,864	-	(5,874,530)	(13,268,830)	2,457,265,224
6	May	2,438,349,258	-	(5,712,083)	(13,135,305)	2,457,196,646
7	June	2,472,751,094	-	(5,700,947)	(13,044,504)	2,491,496,545
8	July	2,510,901,308	-	(5,670,736)	(12,910,979)	2,529,483,023
9	August	2,533,232,589	-	(5,645,279)	(12,777,453)	2,551,655,322
10	September	2,541,940,561	-	(5,632,538)	(12,686,652)	2,560,259,751
11	October	2,541,763,453	-	(5,692,147)	(12,553,127)	2,560,008,726
12	November	2,534,249,595	-	(5,675,353)	(12,419,602)	2,552,344,549
13	December of Rate Year	2,544,375,638	-	(5,658,229)	(11,586,900)	2,561,620,767
14	Average of the 13 Monthly Balances	2,470,269,469	-	(5,778,061)	(12,974,288)	2,489,021,818

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Acct 221 Bonds (b)	Less: Acct 222 Reacquired Bonds (c)	LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
(Note A)		(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	-	-	-	2,654,833,358	-	2,654,833,358
16	January	-	-	-	2,654,697,525	-	2,654,697,525
17	February	-	-	-	2,654,561,013	-	2,654,561,013
18	March	-	-	-	2,654,423,818	-	2,654,423,818
19	April	-	-	-	2,654,285,937	-	2,654,285,937
20	May	-	-	-	2,654,147,367	-	2,654,147,367
21	June	-	-	-	2,654,008,104	-	2,654,008,104
22	July	-	-	-	2,653,868,144	-	2,653,868,144
23	August	-	-	-	2,653,727,485	-	2,653,727,485
24	September	-	-	-	2,653,586,122	-	2,653,586,122
25	October	-	-	-	2,628,444,053	-	2,628,444,053
26	November	-	-	-	2,628,301,273	-	2,628,301,273
27	December of Rate Year	-	-	-	2,628,157,779	-	2,628,157,779
28	Average of the 13 Monthly Balances	-	-	-	2,648,233,998	-	2,648,233,998

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 2019						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)				110,571,187		
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.				2,028,231		
32	Plus: Allowed Hedge Recovery From Ln 55 below.				2,028,231		
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)				2,146,670		
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)				1,581,397		
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)				1,712		
37	Total Interest Expense (Ln 30 - 31 + 33 + 34 - 35 - 36)				114,297,542		
38	Average Cost of Debt for 2019 (Ln 37/ Ln 28 (g))				4.32%		

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 2019	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Amortization Period		
				Remaining Unamortized Balance	Beginning	Ending
40 Senior Unsecured Notes - Series F			-	-	November 2004	November 2014
41 Senior Unsecured Notes - Series G	-		-	-	12/07/05	11/30/15
42 Senior Unsecured Notes - Series H	421,741		421,741	7,222,303	11/14/06	2/28/2037
43 Senior Unsecured Notes - Series J	1,606,490		1,606,490	5,154,153	03/15/13	3/15/2023
44			-			
45			-			
46			-			
47			-			
48			-			
49			-			
50 Total Hedge Amortization	2,028,231	-		12,376,456		
51 Hedge Gain or Loss Prior to Application of Recovery Limit (Sum of Lines 40 to 48)			2,028,231			
52 Total Average Capital Structure Balance for 2019 (TCOS, Ln 157)			5,137,255,816			
53 Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005			
54 Limit of Recoverable Amount			2,568,628			
55 Recoverable Hedge Amortization (Lesser of Ln 51 or Ln 54)			2,028,231			

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
Indiana Michigan Power Company

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

Line	(A) Date	(B) Property Description	(C) Function (T) or (G) T = Transmission G = General	(D) Basis	(E) Proceeds	(F) (Gain) / Loss	(G) Functional Allocator	(H) Functionalized Proceeds (Gain) / Loss	(I) FERC Account
1						-	0.000%	-	
2						-	0.000%	-	
3						-	0.000%	-	
4					Net (Gain) or Loss for 2019	- <u> </u>		- <u> </u>	

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
Indiana Michigan Power Company

1 Total AEP East Operating Company PBOP Settlement Amount (127,041,505)

Allocation of PBOP Settlement Amount for 2019

Line#	Company	Total Company Amount						
		Actual Expense (Including AEPSC Billed OPEB)	Ratio of Company Actual to Total	Allocation of PBOB Recovery Allowance	Labor Allocator for 2019	Actual Expense	Allowable Expense	One Year Functional Expense (Over)/Under
		(A)	(B)=(A)/Total (A)	(C)=(B) * -127041505	(D)	(E)=(A) * (D)	(F)=(C) * (D)	(G)=(E) - (F)
		(Line 14)						
2	APCo	(16,579,431)	36.54%	(46,417,424)	9.207%	(1,526,469)	(4,273,655)	2,747,186
3	I&M	(12,008,757)	26.46%	(33,620,910)	4.475%	(537,347)	(1,504,410)	967,063
4	KPCo	(3,820,808)	8.42%	(10,697,114)	7.824%	(298,938)	(836,937)	537,999
5	KNGP	(375,907)	0.83%	(1,052,427)	11.212%	(42,147)	(117,998)	75,851
6	OPCo	(11,910,183)	26.25%	(33,344,933)	11.570%	(1,377,978)	(3,857,923)	2,479,946
7	WPCo	(681,751)	1.50%	(1,908,698)	3.184%	(21,710)	(60,781)	39,071
8	Sum of Lines 2 to 7	(45,376,837)		(127,041,505)		(3,804,589)	(10,651,705)	6,847,116

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

	APCo	I&M	KPCo	KNGSPT	OPCo	WPCo	AEP East Total
9 Direct Charged PBOP Expense per Actuarial Report	(12,806,463)	(10,919,675)	(3,093,622)	(261,837)	(8,879,280)	(329,102)	(36,289,979)
10 Additional PBOP Ledger Entries (from Company Records)	351,068	1,340,266	305,809	-	-	(263,278)	
11 Medicare Subsidy							-
12 Net Company Expense (Ln 9 + Ln 10 + Ln 11)	(12,455,395)	(9,579,409)	(2,787,813)	(261,837)	(8,879,280)	(592,380)	(34,556,114)
13 PBOP Expenses From AEP Service Corporation (from Company Records)	(4,124,036)	(2,429,348)	(1,032,995)	(114,070)	(3,030,903)	(89,371)	(10,820,723)
14 Company PBOP Expense (Ln 12 + Ln 13)	(16,579,431)	(12,008,757)	(3,820,808)	(375,907)	(11,910,183)	(681,751)	(45,376,837)

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

AEP EAST COMPANIES
Worksheet - P CALCULATION OF
TOTAL WEIGHTED AVERAGE DEPRECIATION RATES
FOR TRANSMISSION PLANT PROPERTY ACCOUNT
EFFECTIVE AS OF 3/6/2019
FOR MULTIPLE JURISDICTION COMPANIES
Appalachian Power Company

	VIRGINIA			WEST VIRGINIA			FERC WHOLESALE			FERC KINGSFORT			COMPANY	
	(1) PLANT ACCT.	VA SCC RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	(2) PSC OF WV APPROVED RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	(3) FERC RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	(4) FERC RATES	ALLOCATION FACTOR (5)	WTD AVG. DEPREC. RATE	WTD AVG. DEPREC. RATE
TRANSMISSION PLANT														
Land Rights - Va.	350.1	0.66%	1.000000	0.66%										0.66%
Energy Storage Equip	351.0				14.22%	1.000000	14.22%							14.22%
Structures & Improvements	352.0	1.55%	0.492648	0.76%	1.62%	0.414603	0.67%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	1.63%
Station Equipment	353.0	1.95%	0.492648	0.96%	2.37%	0.414603	0.98%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	2.14%
Towers & Fixtures	354.0	1.14%	0.492648	0.56%	1.59%	0.414603	0.66%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	1.42%
Poles & Fixtures	355.0	2.77%	0.492648	1.36%	2.71%	0.414603	1.12%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	2.68%
Overhead Conductor	356.0	1.01%	0.492648	0.50%	1.53%	0.414603	0.63%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	1.33%
Underground Conduit	351.0	1.23%	0.492648	0.61%	3.71%	0.414603	1.54%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	2.35%
Underground Conductors	351.0	3.18%	0.492648	1.57%	5.24%	0.414603	2.17%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	3.94%
GENERAL PLANT														
Structures & Improvements	390.0	1.50%	0.519557	0.78%	1.91%	0.425935	0.81%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.78%
Office Furniture & Equipment	391.0	2.78%	0.519557	1.44%	3.17%	0.425935	1.35%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.98%
Transportation Equipment	392.0	0.00%	0.519557	0.00%	3.40%	0.425935	1.45%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.64%
Stores Equipment	393.0	1.60%	0.519557	0.83%	1.80%	0.425935	0.77%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.79%
Tools Shop & Garage Equipment	394.0	2.07%	0.519557	1.08%	2.57%	0.425935	1.09%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.36%
Laboratory Equipment	395.0	1.53%	0.519557	0.79%	4.01%	0.425935	1.71%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.69%
Power Operated Equipment	396.0	0.00%	0.519557	0.00%	3.90%	0.425935	1.66%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.85%
Communication Equipment	397.0	3.27%	0.519557	1.70%	4.98%	0.425935	2.12%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	4.01%
Miscellaneous Equipment	398.0	2.51%	0.519557	1.30%	2.70%	0.425935	1.15%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.64%

(1) As approved in VA Case No. PUE 2011-00037 on Nov. 30, 2011. Depreciation rates were made effective on January 1, 2012.

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

(2) Approved by PSC of WV Order dated May 26, 2015 in Case No. 14-1151-E-D effective June 1, 2015.

(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) Energy Storage Equipment is a new account established per FERC Order 784.

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 jurisdiction's rate is multiplied by an allocation factor, and the product for each jurisdiction is added with the other jurisdictions to derive the composite rate 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 October 31, 2018
FOR MULTIPLE JURISDICTION COMPANIES
INDIANA MICHIGAN POWER COMPANY

	<u>INDIANA</u>				<u>MICHIGAN</u>			<u>FERC WHOLESALE</u>			<u>COMPANY</u>
	(1) PLANT ACCT.	IURC RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	(2) MPSC APPROVED RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	(3) FERC RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	WTD AVG. DEPREC. RATE
TRANSMISSION PLANT											
Land Improvements	350.1	1.4800%	0.652103	0.9651%	1.4400%	0.144206	0.2077%	1.4400%	0.203691	0.2933%	1.47%
Structures & Improvements	352.0	1.5500%	0.652103	1.0108%	1.5000%	0.144206	0.2163%	1.5000%	0.203691	0.3055%	1.53%
Station Equipment	353.0	1.8600%	0.652103	1.2129%	1.8400%	0.144206	0.2653%	1.8400%	0.203691	0.3748%	1.85%
Towers & Fixtures	354.0	1.6900%	0.652103	1.1021%	1.5700%	0.144206	0.2264%	1.5700%	0.203691	0.3198%	1.65%
Poles & Fixtures	355.0	2.8500%	0.652103	1.8585%	2.8300%	0.144206	0.4081%	2.8300%	0.203691	0.5764%	2.84%
Overhead Conductors	356.0	1.9700%	0.652103	1.2846%	1.8900%	0.144206	0.2725%	1.8900%	0.203691	0.3850%	1.94%
Underground Conduit	357.0	1.8600%	0.652103	1.2129%	1.7700%	0.144206	0.2552%	1.7700%	0.203691	0.3605%	1.83%
Underground Conductors	358.0	1.7000%	0.652103	1.1086%	1.6600%	0.144206	0.2394%	1.6600%	0.203691	0.3381%	1.69%
Trails & Roads	359.0	1.5000%	0.652103	0.9782%	1.4800%	0.144206	0.2134%	1.4800%	0.203691	0.3015%	1.49%

(1) As approved in Indiana Case No. 44075.

(2) As approved in MICHIGAN Case No. U16801.

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

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

GENERAL NOTES:

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

I&M falls under the authority of Indiana, Michigan and the FERC. Therefore, I&M's rates are a composite of the jurisdictions under which it operates. Each jurisdiction's rate is multiplied by an allocation factor, and the product for each jurisdiction is added with the other jurisdictions to derive the composite rate 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
PJM FORMULA RATE
WORKSHEET P - TRANSMISSION DEPRECIATION RATES
EFFECTIVE AS OF 09/1/2016
FOR SINGLE JURISDICTION COMPANIES
KINGSPORT POWER COMPANY**

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

Reference:

Note 1: Rates Approved In Tennessee Regulatory Authority Docket No. 16-00001.
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
<i>TRANSMISSION PLANT</i>		
Land Rights	350.1	1.44%
Structures & Improvements	352.0	2.08%
Station Equipment	353.0	2.15%
Towers & Fixtures	354.0	2.61%
Poles & Fixtures	355.0	3.95%
Overhead Conductors	356.0	2.91%
Underground Conduit	357.0	2.99%
Underground Conductors	358.0	2.62%

Reference:

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

General Note

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

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

	PLANT ACCT.	RATES Note 1
<i>TRANSMISSION PLANT</i>		
Structures & Improvements	352.0	2.02%
Station Equipment	353.0	2.29%
Twrs and Fixtures Above 69 KV	354.0	1.88%
Twrs and Fixtures Below 69 KV	354.0	1.88%
Poles and Fixtures Above 69 KV	355.0	3.52%
Poles and Fixtures Below 69 KV	355.0	3.52%
Overhead Conductor & Devices Above	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
<i>TRANSMISSION PLANT</i>		
Structures & Improvements	352.0	1.15%
Station Equipment	353.0	2.22%
Towers & Fixtures	354.0	2.65%
Poles & Fixtures	355.0	2.41%
Overhead Conductors	356.0	1.32%
Underground Conduit	351.0	9.94%
Underground Conductors	351.0	13.98%
Trails & Roads	359.0	-
<i>GENERAL PLANT</i>		
Structures & Improvements	390.0	1.08%
Office Furniture & Equipment	391.0	2.13%
Stores Equipment	393.0	1.78%
Tools Shop & Garage Equipment	394.0	1.65%
Communication Equipment	397.0	5.09%
Miscellaneous Equipment	398.0	2.76%

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

General Note:

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

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

Reconciliation Revenue Requirement For Year 2016 Available May 25, 2017 <hr/> \$0	-	2016 Forecasted Revenue Requirement For Year 2016 <hr/> \$0	=	True-up Adjustment - Over (Under) Recovery <hr/> \$0
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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
		0.2960%				

An over or under collection will be recovered prorata over 2016, held for 2017 and returned prorata over 2018

<u>Calculation of Interest</u>			<u>Monthly</u>			
January	Year 2016	-	0.2960%	12	-	-
February	Year 2016	-	0.2960%	11	-	-
March	Year 2016	-	0.2960%	10	-	-
April	Year 2016	-	0.2960%	9	-	-
May	Year 2016	-	0.2960%	8	-	-
June	Year 2016	-	0.2960%	7	-	-
July	Year 2016	-	0.2960%	6	-	-
August	Year 2016	-	0.2960%	5	-	-
September	Year 2016	-	0.2960%	4	-	-
October	Year 2016	-	0.2960%	3	-	-
November	Year 2016	-	0.2960%	2	-	-
December	Year 2016	-	0.2960%	1	-	-
				<hr/>		
			<u>Annual</u>			
January through December	Year 2017	-	0.2960%	12	-	-

<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>			<u>Monthly</u>			
January	Year 2018	-	0.2960%		-	-
February	Year 2018	-	0.2960%		-	-
March	Year 2018	-	0.2960%		-	-
April	Year 2018	-	0.2960%		-	-
May	Year 2018	-	0.2960%		-	-
June	Year 2018	-	0.2960%		-	-
July	Year 2018	-	0.2960%		-	-
August	Year 2018	-	0.2960%		-	-
September	Year 2018	-	0.2960%		-	-
October	Year 2018	-	0.2960%		-	-
November	Year 2018	-	0.2960%		-	-
December	Year 2018	-	0.2960%		-	-
				<hr/>		

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

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

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

Reconciliation Revenue Requirement For Year 2016 Available May 25, 2017 <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> \$0	-	2016 Forecasted Revenue Requirement For Year 2016 <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> \$0	=	True-up Adjustment - Over (Under) Recovery <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> \$0
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Interest Rate on Amount of Refunds or Surcharge from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.2960%				

An over or under collection will be recovered prorata over 2016, held for 2017 and returned prorata over 2018

<u>Calculation of Interest</u>				<u>Monthly</u>		
January	Year 2016	-	0.2960%	12	-	-
February	Year 2016	-	0.2960%	11	-	-
March	Year 2016	-	0.2960%	10	-	-
April	Year 2016	-	0.2960%	9	-	-
May	Year 2016	-	0.2960%	8	-	-
June	Year 2016	-	0.2960%	7	-	-
July	Year 2016	-	0.2960%	6	-	-
August	Year 2016	-	0.2960%	5	-	-
September	Year 2016	-	0.2960%	4	-	-
October	Year 2016	-	0.2960%	3	-	-
November	Year 2016	-	0.2960%	2	-	-
December	Year 2016	-	0.2960%	1	-	-
				-----	-	-
				-	-	-
				<u>Annual</u>		
January through December	Year 2017	-	0.2960%	12	-	-

<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				<u>Monthly</u>		
January	Year 2018	-	0.2960%	-	-	-
February	Year 2018	-	0.2960%	-	-	-
March	Year 2018	-	0.2960%	-	-	-
April	Year 2018	-	0.2960%	-	-	-
May	Year 2018	-	0.2960%	-	-	-
June	Year 2018	-	0.2960%	-	-	-
July	Year 2018	-	0.2960%	-	-	-
August	Year 2018	-	0.2960%	-	-	-
September	Year 2018	-	0.2960%	-	-	-
October	Year 2018	-	0.2960%	-	-	-
November	Year 2018	-	0.2960%	-	-	-
December	Year 2018	-	0.2960%	-	-	-
				-----	-	-
				-	-	-

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

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

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

Reconciliation Revenue Requirement For Year 2016 Available May 25, 2017 <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/> \$0	-	2016 Forecasted Revenue Requirement For Year 2016 <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/> \$0	=	True-up Adjustment - Over (Under) Recovery <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/> \$0
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Interest Rate on Amount of Refunds or Surplus from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.2960%				

An over or under collection will be recovered prorata over 2016, held for 2017 and returned prorata over 2018

Calculation of Interest

				Monthly		
January	Year 2016	-	0.2960%	12	-	-
February	Year 2016	-	0.2960%	11	-	-
March	Year 2016	-	0.2960%	10	-	-
April	Year 2016	-	0.2960%	9	-	-
May	Year 2016	-	0.2960%	8	-	-
June	Year 2016	-	0.2960%	7	-	-
July	Year 2016	-	0.2960%	6	-	-
August	Year 2016	-	0.2960%	5	-	-
September	Year 2016	-	0.2960%	4	-	-
October	Year 2016	-	0.2960%	3	-	-
November	Year 2016	-	0.2960%	2	-	-
December	Year 2016	-	0.2960%	1	-	-
				-----	-	-

				Annual		
January through Decem	Year 2017	-	0.2960%	12	-	-

Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months

				Monthly		
January	Year 2018	-	0.2960%	-	-	-
February	Year 2018	-	0.2960%	-	-	-
March	Year 2018	-	0.2960%	-	-	-
April	Year 2018	-	0.2960%	-	-	-
May	Year 2018	-	0.2960%	-	-	-
June	Year 2018	-	0.2960%	-	-	-
July	Year 2018	-	0.2960%	-	-	-
August	Year 2018	-	0.2960%	-	-	-
September	Year 2018	-	0.2960%	-	-	-
October	Year 2018	-	0.2960%	-	-	-
November	Year 2018	-	0.2960%	-	-	-
December	Year 2018	-	0.2960%	-	-	-
				-----	-	-

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

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