For Twelve Months Ended 2019

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

AEP Indiana Michigan Transmission Company

Line No.			Total	Allocator		Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 113)				$232,569,129
2	REVENUE CREDITS	(Worksheet E, ln 8) (Note A)	1,040,262	DA	1.00000	$ 1,040,262
3	Facility Credits under PJM OATT Section 30.9	Worksheet E, ln 9) (Note X)				0
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)				$ 231,528,867

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)		46,913,545	DA	1.00000	$ 46,913,545
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)					
7	Annual Rate	((ln 1- ln 80)/((ln 33) x 100))				12.75%
8	Monthly Rate	(ln 7 / 12)				1.06%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)					
10	Annual Rate	((ln 1- ln 80 - ln 83)/((ln 33) x 100))				10.52%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)					
12	Annual Rate	(((ln 1 - ln 80 - ln 83 - ln 108 - ln 109) /((ln 33) x 100))				2.49%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note B) (Worksheet J/K)					-
14	**REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES**					
15	Total Load Dispatch & Scheduling (Account 561)	Line 63 Below				750,874
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)					
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)					
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)				750,874

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Line No.	(1) RATE BASE CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total NOTE C	(4) Allocator		(5) Total Transmission
	GROSS PLANT IN SERVICE					
19	Transmission	(Worksheet A ln 14.(d) & Ln 117)	1,946,801,073	DA	1.00000	1,908,028,907
20	Less: Transmission ARO (Enter Negative)	(Worksheet A ln 14.(e))	-	TP	0.98008	-
21	General Plant	(Worksheet A ln 14.(h))	19,272,653	W/S	0.98008	18,888,822
22	Less: General Plant ARO (Enter Negative)	(Worksheet A ln 14.(i))	-	W/S	0.98008	-
23	Intangible Plant	(Worksheet A ln 14.(j))	15,885,300	W/S	0.98008	15,568,931
24	TOTAL GROSS PLANT	(Sum of Lines: 19 to 23)	1,981,959,026	**GP=**	**0.980084**	1,942,486,660
				GTD=	**0.98008**	
25	ACCUMULATED DEPRECIATION AND AMORTIZATION					
26	Transmission	(Worksheet A ln 28.(d) & Ln 43.(b))	84,331,600	**TP1=**	1.00000	84,331,600
27	Less: Transmission ARO (Enter Negative)	(Worksheet A ln 28.(e))	-	**TP1=**	1.00000	-
28	General Plant	(Worksheet A ln 28.(h))	599,138	W/S	0.98008	587,205
29	Less: General Plant ARO (Enter Negative)	(Worksheet A ln 28.(i))	-	W/S	0.98008	-
30	Intangible Plant	(Worksheet A ln 28.(j))	5,765,952	W/S	0.98008	5,651,118.08
31	TOTAL ACCUMULATED DEPRECIATION	(Sum of Lines: 26 to 30)	90,696,689			90,569,923
32	NET PLANT IN SERVICE					
33	Transmission	(ln 19 + ln 20 - ln 26 - ln 27)	1,862,469,473			1,823,697,307
34	General Plant	(ln 21 + ln 22 - ln 28 - ln 29)	18,673,515			18,301,617
35	Intangible Plant	(ln 23 - ln 30)	10,119,348			9,917,813
36	TOTAL NET PLANT IN SERVICE	(Sum of Lines: 33 to 35)	1,891,262,337	**NP=**	**0.979196**	1,851,916,737
37	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)				
38	Account No. 281.1 (enter negative)	(Worksheet B, ln 2 & ln 5.E)	-	NA		-
39	Account No. 282.1 (enter negative)	(Worksheet B, ln 7 & ln 10.E)	(295,464,096)	DA		(295,464,096)
40	Account No. 283.1 (enter negative)	(Worksheet B, ln 12 & ln 15.E)	(17,567,700)	DA		(17,567,700)
41	Account No. 190.1	(Worksheet B, ln 17 & ln 20.E)	6,556,943	DA		6,556,943
42	Account No. 255 (enter negative)	(Worksheet B, ln 24 & ln 25.E)	-	DA		-
43	TOTAL ADJUSTMENTS	(sum lns 38 to 42)	(306,474,853)			(306,474,853)
44	PLANT HELD FOR FUTURE USE	(Worksheet A ln 44.(e)) ln 45.(e))	-	DA		-
45	REGULATORY ASSETS	(Worksheet A ln 51.(e))	-	DA		-
46	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y	(Worksheet A ln 54.(e))	-	W/S	0.98008	-
47	WORKING CAPITAL	(Note E)				
48	Cash Working Capital	(1/8 * ln 66)	2,391,396			2,343,770
49	Transmission Materials & Supplies	(Worksheet C, ln 2.(F))	2,500	TP	0.98008	2,450
50	A&G Materials & Supplies	(Worksheet C, ln 3.(F))	-	W/S	0.98008	-
51	Stores Expense	(Worksheet C, ln 4.(F))	-	GP	0.98008	-
52	Prepayments (Account 165) - Labor Allocated	(Worksheet C, ln 8.(G))	-	W/S	0.98008	-
53	Prepayments (Account 165) - Gross Plant	(Worksheet C, ln 8.(F))	443,952	GP	0.98008	435,110
54	Prepayments (Account 165) - Transmission Only	(Worksheet C, ln 8.(E))	-	DA	1.00000	-
55	Prepayments (Account 165) - Unallocable	(Worksheet C, ln 8.(D))	-	NA	0.00000	-
56	TOTAL WORKING CAPITAL	(sum lns 48 to 55)	2,837,848			2,781,330
57	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, ln 8.B)	-	DA	1.00000	-
58	RATE BASE (sum lns 36, 43, 44, 45, 46, 56, 57)		1,587,625,332			1,548,223,213

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

AEP Indiana Michigan Transmission Company

Line No.	(1) EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total	(4) Allocator		(5) Total Transmission
	OPERATION & MAINTENANCE EXPENSE					
59	Customer Related Expense	322 & 323.164,171,178.b	-			
60	Regional Marketing Expenses	322.131.b	-			
61	Transmission	321.112.b	19,882,045			
62	TOTAL O&M EXPENSES	(sum lns 59 to 61)	19,882,045			
63	Less: Total Account 561	(Note G) (Worksheet F, ln 14.C)	750,874			
64	Less: Account 565	(Note H) 321.96.b				
65	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, ln 4.C)	-			
66	Total O&M Allocable to Transmission	(lns 61 - 63 - 64 - 65)	19,131,171	TP	0.98008	18,750,158
67	Administrative and General	323.197.b (Notes J & M)	5,911,266			
68	Less: Acct. 924, Property Insurance	323.185.b	670,336			
69	Acct. 928, Reg. Com. Exp.	323.189.b	70,875			
70	Acct. 930.1, Gen. Advert. Exp.	323.191.b	1,535			
71	Acct. 930.2, Misc. Gen. Exp.	323.192.b	147,384			
72	Balance of A & G	(ln 67 - sum ln 68 to ln 71)	5,021,136	W/S	0.98008	4,921,136
73	Plus: Acct. 924, Property Insurance	(ln 68)	670,336	GP(h)	0.98008	656,986
74	Acct. 928 - Transmission Specific	Worksheet F ln 21.(E) (Note L)	72,091	TP	0.98008	70,655
75	Acct 930.1 - Only safety related ads -Direct	Worksheet F ln 38.(E) (Note L)	-	TP	0.98008	-
76	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F ln 43.(E) (Note L)	1,547	DA	1.00000	1,547
77	PBOP Adjustment	Worksheet O Ln 16.(B), (Note K & M)	388,989	W/S	0.98008	381,242
78	A & G Subtotal	(sum lns 72 to 77)	6,154,098			6,031,565
79	O & M EXPENSE SUBTOTAL	(ln 66 + ln 78)	25,285,269			24,781,723
80	Plus: Transmission Lease Payments To Affiliates in Acct 565	(Company Records) (Note H)	-	DA	1.00000	-
81	TOTAL O & M EXPENSE	(ln 79 + ln 80)	25,285,269			24,781,723
82	DEPRECIATION AND AMORTIZATION EXPENSE					
83	Transmission	336.7.f	40,718,765	TP1	1.00000	40,718,765
84	General	336.10.f	429,079	W/S	0.98008	420,534
85	Intangible	336.1.f	2,941,792	W/S	0.98008	2,883,204
86	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 83+84+85)	44,089,636			44,022,502
87	TAXES OTHER THAN INCOME	(Note N)				
88	Labor Related					
89	Payroll	Worksheet H ln 23.(D)	-	W/S	0.98008	-
90	Plant Related					
91	Property	Worksheet H-p2 ln 3.(C) & ln 3.(G)	17,313,970	DA	1.00000	17,313,970
92	Gross Receipts/Sales & Use	Worksheet H ln 23.(F)	4	NA	0.00000	-
93	Other	Worksheet H ln 23.(E)	-	GP	0.98008	-
94	TOTAL OTHER TAXES	(sum lns 89 to 93)	17,313,974			17,313,970
95	INCOME TAXES	(Note O)				
96	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =		24.98%			
97	EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =		25.50%			
98	where WCLTD=(ln 136) and WACC = (ln 139)					
99	and FIT, SIT & p are as given in Note O.					
100	GRCF=1 / (1 - T) = (from ln 96)		1.3330			
101	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, ln 19.c)	-			
102	Excess Deferred Income Tax	(Note T)	1,161,092	NP(h)	0.97920	1,136,937
103	Tax Effect of Permanent and Flow-Through Differences	(Note T)	382,670	NP(h)	0.97920	374,709
104	Income Tax Calculation	(ln 97 * ln 109)	30,095,635			29,348,713
105	ITC adjustment	(ln 100 * ln 101)	-	NP(h)	0.97920	-
106	Excess Deferred Income Tax	(ln 100 * ln 102)	1,547,743			1,515,544
107	Tax Effect of Permanent and Flow-Through Differences	(ln 100 * ln 103)	510,102			499,489
108	TOTAL INCOME TAXES	(sum lns 104 to 107)	32,153,480			31,363,747
109	RETURN ON RATE BASE (Rate Base*WACC)	(ln 58 * ln 139)	118,016,144			115,087,187
110	INTEREST ON IPP CONTRIBUTION FOR CONST.	(Note F) (Worksheet D, ln 2.(B))	-	DA	1.00000	-
111	(Gains) / Losses on Sales of Plant Held for Future Use	(Worksheet N, ln 4, Cols. ((F) & (H))	-			-
112	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use	(ln 111 * ln97)	-			-
113	TOTAL REVENUE REQUIREMENT (sum lns 81, 86, 94, 108, 109, 110, 111, 112)		236,858,503			232,569,129

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

AEP Indiana Michigan Transmission Company

SUPPORTING CALCULATIONS

ln No.										
	TRANSMISSION PLANT INCLUDED IN PJM TARIFF									
114	Total transmission plant	(ln 19)								1,946,801,073
115	Less transmission plant excluded from PJM Tariff (Worksheet A, ln 42.(d)) (Note P)									38,772,166
116	Less transmission plant included in OATT Ancillary Services (Worksheet A, ln 42, Col. (b)) (Note Q)									-
117	Transmission plant included in PJM Tariff	(ln 114 - ln 115 - ln 116)								1,908,028,907
118	Percent of transmission plant in PJM Tariff	(ln 117 / ln 114)							**TP=**	**0.98008**
				Payroll Billed from						
119	WAGES & SALARY ALLOCATOR (W/S)	(Note R)	Direct Payroll	AEP Service Corp.	Total					
120	*Line Deliberately Left Blank*									
121	Transmission	354.21.b	-	6,270,549	6,270,549	TP	0.98008			6,145,666
122	Regional Market Expenses	354.22.b	-	-	-	NA	0.00000			-
123	*Line Deliberately Left Blank*									
124	Other (Excludes A&G)	354.24,25,26.b	-	-	-	NA	0.00000			-
125	Total	(sum lns 121, 122, & 124)	-	6,270,549	6,270,549					6,145,666
126	Transmission related amount								**W/S=**	**0.98008**
	Actual (Uncapped) Capital Structure									
127	WEIGHTED AVERAGE COST OF CAPITAL (WACC)									$
128	Long Term Interest	(Worksheet M, ln.36, col.(d))								**32,858,640**
129	Preferred Dividends	(Worksheet M, ln. 45, col.(d))								-
130	Development of Common Stock:									
131	Proprietary Capital	(Worksheet M, ln. 14, col.(b))								1,041,589,687
132	Less: Preferred Stock	(Worksheet M, ln. 14, col.(c))								-
133	Less: Account 216.1	(Worksheet M, ln. 14, col.(d))								-
134	Less: Account 219	(Worksheet M, ln. 14, col.(e))								-
135	Common Stock	(ln 131 - ln 132 - ln 133 - ln 134)								1,041,589,687
					Capital Structure Percentages			Cost		
					$	%	Cap Limit	(Note S)		Weighted
136	Long Term Debt (Note S) Worksheet M, ln 28, col. (q), ln 37, col. (d))				849,303,846	44.92%	45.00%	3.87%		0.0174
137	Preferred Stock (ln 132)				-	0.00%	0.00%	0.00%		0.0000
138	Common Stock (ln 135)				1,041,589,687	55.08%	55.00%	10.35%		0.0569
139	Total (Sum lns 136 to 138)				1,890,893,533	100.00%			**WACC=**	**0.074335**
140	Capital Structure Equity Limit (Note Z)		55.00%							

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AEP Indiana Michigan Transmission Company

Letter	Notes
	General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line#.Column.X
A	Revenue credits include: 1) Forfeited Discounts. 2) Miscellaneous Service Revenues. 3) Rental revenues earned on assets included in the rate base. 4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service. 5) Other electric revenues. 6) Revenues for grandfathered PTP contracts included in the load divisor. 7) If AEP Transmission Companies have any directly assigned transmission facilities, the revenue credits in the formula rate shall include all revenues associated with those directly assigned transmission facilities, irrespective of whether the loads of the customer are included in the formula rate divisor; provided however, such addition to revenue credits shall not be reflected if the costs of such directly assigned transmission facilities are not included in the transmission plant balances on which the formula rate ATRR is based. See Worksheet E for details.
B	The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's. Interest will be calculated based on Worksheet R and any over under recovery will be filed and posted as part of the informational filing.
C	Transmission Plant Balances in this study are projected or actual average 13 month balances.
D	The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flow throughs and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B. In compliance with FERC Rulemaking the calculation of ADIT in the annual projection will be performed in accordance with IRS regulation Section 1.167(l)-l(h)(6)(ii). Detailed balances for the projected or actual period, distinguished between utility and non-utility balances, will be filed and posted as part of the informational filing. The company will not include the ADIT portion of deferred hedge gains and losses in rate base.
E	Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission, as shown on line 66. It excludes: 1) Load Scheduling & Dispatch Charges in account 561 that are collected in the OATT Ancilliary Services Revenue, as shown on line 63. 2) Costs of Transmission of Electricity by Others, as described in Note H. 3) The impact of state regulatory deferrals and amortizations, as shown on line 65 4) All A&G Expenses, as shown on line 78.
F	Consistent with Paragraph 657 of Order 2003-A, the amount on line 57 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 110.
G	Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 & 561.8 (lines 16 & 17 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances.
H	Removes cost of transmission service provided by others to determine the basis of cash working capital on line 66. To the extent such service is incurred to provide the PJM service at issue, e.g. lease payments to affiliates, such costs are added back on line 80 to determine the total O&M collected in the formula. The amounts on line80 is also excluded in the calculation of the FCR percentage calculated on lines 6 through 12. The addbacks on line80 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity. The company records referenced on line80 is the AEP Indiana Michigan Transmission Company general ledger.
I	Removes the impact of state regulatory deferrals or their amortization from Transmission O&M expense.
J	General Plant and Administrative & General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages & Salaries "W/S" allocator. The allocation basis for accounts 924, 928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
K	The Post-employment Benefit Other than Pension (PBOP) expense is fixed based on an approved ratio of PBOP expense to direct labor expense.
L	Expenses reported for these A&G accounts will be included in the cost of service only to the extent they are directly assignable to transmission service. Worksheet F allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.
M	See note K above. Recoverable PBOP expense is based on a rate of $(0.058) cents per dollar of direct labor. This rate may be adjusted up or down every four years based on a comparison of the Allowable TransCo PBOP Expense and the Actual PBOP Expense for a four year Historic and four year Projected period. If the over or under collection is greater than plus or minus 20% of the recoverable amount, an adjustment will be proposed in a Section 205 rate filing.
N	Includes only FICA, unemployment, highway, property and other assessments. Gross receipts, sales & use and taxes related to income are excluded.
O	The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT. A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) (ln 101) multiplied by (1/1-T) . If the applicable tax rates are zero enter 0. Inputs Required: FIT = 21.00% SIT= 5.04% (State Income Tax Rate or Composite SIT. Worksheet G)) p = 0.00% (percent of federal income tax deductible for state purposes)
P	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-ochange rate and post-change rate each is in effect. 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.
O	Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note P.
R	Includes functional wages & salaries billed by AEP Service Corporation for support of the operating company.
S	Long Term Debt cost rate = long-term interest (Ln 128)/average long term debt (Ln 136). Preferred Stock cost rate = preferred dividends (Ln 129)/preferred outstanding (ln 137). Common Stock cost rate (ROE) = 11.49%, the rate accepted by FERC in Docket No. ER10-355. It includes an additional 50 basis points for PJM RTO membership. All Transmission Companies other than AEP Appalachian Transmission Company utilize their own capital structure and costs as shown on Worksheet M. The calculations on Worksheet M will use the projected or actual 13 month average balances of long-term debt, common and preferred equity and calendar year long term debt interest expenses, preferred dividends and approved ROE. The long term debt balances and long term debt cost rate shall not include any amounts related to hedging activity. As shown on Worksheet Q, the AEP Appalachian Transmission Company capital structure and weighted cost of capital (WACC) shall be based on the weighted composite of the AEP East Operating Companies beginning and ending average outstanding LTD and PS issuances with the common equity portion in Docket No. ER08-1329, and (2) the weighted composite LTD and PS cost using projected or actual calendar year LTD expense and PS dividends of the AEP East Operating Companies excluding all interest rate hedging costs and/or gains, until the Company establishes its own actual capital structure.
T	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.
U	Cash investment in prepaid pension and benefits recorded in FERC Account 165 is permitted to be included in the formula. A labor expense allocation factor will be used to allocate total company costs. All
V	The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.
W	AEP Transmission Companies will record depreciation expense using composites of the depreciation rates shown on Worksheet P which rates will not be changed absent a Section 205 or 206 filing at FERC to seek a change in depreciation rates. No other changes to the formula rate may be included in that filing.
x	Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration 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 liabiliites 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.

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

Line No	Month (a)	Gross Plant In Service				
		Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 99	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), ln 5
1	December Prior to Rate Year	1,807,420,338	-	18,837,709	-	14,604,921
2	January	1,813,701,914	-	18,878,250	-	14,825,344
3	February	1,814,926,804	-	18,886,330	-	14,999,086
4	March	1,813,645,395	-	18,954,983	-	14,696,802
5	April	1,820,437,819	-	18,997,956	-	14,872,977
6	May	1,890,246,485	-	19,074,168	-	15,083,109
7	June	1,945,249,020	-	19,334,339	-	15,358,154
8	July	1,986,268,347	-	19,398,551	-	15,611,777
9	August	1,994,696,534	-	19,412,897	-	15,956,092
10	September	2,007,675,134	-	19,485,711	-	16,073,291
11	October	2,043,717,573	-	19,614,186	-	16,362,834
12	November	2,099,942,372	-	19,754,539	-	16,861,156
13	December of Rate Year	2,270,486,206	-	19,914,871	-	21,203,358
14	Average of the 13 Monthly Balances	1,946,801,073	-	19,272,653	-	15,885,300

Line No	Month (a)	Accumulated Depreciation				
		Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, ln 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, ln 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, ln 21, Col. (b)
15	December Prior to Rate Year	66,769,847	-	386,938	-	4,626,891
16	January	69,890,982	-	421,645	-	4,860,719
17	February	72,596,979	-	456,474	-	5,098,220
18	March	75,738,157	-	491,908	-	5,170,427
19	April	78,693,514	-	526,820	-	5,405,786
20	May	80,481,503	-	561,893	-	5,644,081
21	June	83,763,492	-	597,250	-	5,756,462
22	July	86,117,870	-	633,310	-	6,002,844
23	August	89,485,915	-	669,540	-	6,253,452
24	September	93,012,013	-	705,813	-	6,335,359
25	October	96,341,236	-	742,232	-	6,593,660
26	November	99,669,889	-	778,946	-	6,856,786
27	December of Rate Year	103,749,399	-	816,017	-	6,352,688
28	Average of the 13 Monthly Balances	84,331,600	-	599,138	-	5,765,952

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

Line No	Month (a)	OATT Ancillary Services (GSU) Plant In Service (b)	OATT Ancillary Services (GSU) Accumulated Depreciation (c)	Excluded Plant - Plant In Service (d)	Excluded Plant - Accumulated Depreciation (e)
	(Note A)	Company Records (included in total in column (d) of gross plant above)	Company Records (included in total in column (d) of accumulated depreciation above)	Company Records	Company Records
29	December Prior to Rate Year	-	-	26,942,059	-
30	January	-	-	39,427,832	-
31	February	-	-	39,428,399	-
32	March	-	-	39,427,582	-
33	April	-	-	39,428,177	-
34	May	-	-	38,993,417	-
35	June	-	-	39,063,505	-
36	July	-	-	39,161,438	-
37	August	-	-	39,216,592	-
38	September	-	-	39,241,795	-
39	October	-	-	39,969,958	-
40	November	-	-	41,109,951	-
41	December of Rate Year	-	-	42,627,455	-
42	Average of the 13 Monthly Balances	-	-	38,772,166	-

43	Transmission Accumulated Depreciation net of GSU	84,331,600

	Plant Held For Future Use	Source of Data	Balance @ December 31, 2019	Balance @ December 31, 2018	Average Balance for 2019
	(a)	(b)	(c)	(d)	(e)
44	**Plant Held For Future Use**	FF1, page 214, ln 47, Col. (d)	-	-	-
45	**Transmission Plant Held For Future Use (Included in total on line 4**	Company Records - Note 1	-	-	-

Regulatory Assets and Liabilities Approved for Recovery In Ratebase

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

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

Unfunded Reserves Summary (Company Records)

	Description	Account
52		

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

53a				-
53b				-
54	Total	-	-	-

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

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

Line Number	(A) Description	(B) Source	(C) Balance @ December 31, 2019	(D) Balance @ December 31, 2018	(E) Average Balance for 2019
1	**Account 281**				
2	Year End Utility Deferrals	FF1, p. 272 - 273, ln 8, Col. (k)	-	-	-
3	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 4 (Note 1)	-	-	-
4	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 3 (Note 1)	-	-	-
5	Transmission Related Deferrals	Ln 2 - ln 3 - ln 4	-	-	-
6	**Account 282**				
7	Year End Utility Deferrals	FF1, p. 274 - 275, ln 5, Col. (k)	306,411,949	284,516,243	295,464,096
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	-	-	-
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	-	-	-
10	Transmission Related Deferrals	Ln 7 - ln 8 - ln 9	306,411,949	284,516,243	295,464,096
11	**Account 283**				
12	Year End Utility Deferrals	FF1, p. 276 - 277, ln 9, Col. (k)	19,716,211	15,419,189	17,567,700
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)			-
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	-	-	-
15	Transmission Related Deferrals	Ln 12 - ln 13 - ln 14	19,716,211	15,419,189	17,567,700
16	**Account 190**				
17	Year End Utility Deferrals	FF1, p. 234, ln 8, Col. (c)	7,127,396	5,986,490	6,556,943
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)			-
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	-	-	-
20	Transmission Related Deferrals	Ln 17 - ln 18 - ln 19	7,127,396	5,986,490	6,556,943
21	**Account 255**				
22	Year End ITC Balances	FF1, p. 266-267, ln 8, Col. (h)	-	-	-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable in Ratebase	Ln 22 - ln 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section I.I67(I)-I(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksheets B-1 and B-2.

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

AEP Indiana Michigan Transmission Company
SPECIFIED DEFERRED CREDITS - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2019

(DEBIT) CREDIT

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE ELECTRIC	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2018			FUNCTIONALIZATION 12/31/2019		
	ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2018	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2018	BALANCE AS OF 12-31-2019	UTILITY (B+C+D+E)/2	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1.00	ACCOUNT 281:														
2.01															
2.02		0	0			0	0	0	0						
2.03															
2.04		0	0	0	0	0									
2.05		0	0	0	0	0									
2.06		0	0	0	0	0									
3	TOTAL ACCOUNT 281	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ACCOUNT 281 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	ACCOUNT 282:														
5.01	BOOK VS. TAX DEPRECIATION	180,900,361	208,227,725			194,564,043	0	194,564,043	0		180,900,361			208,227,725	
5.02	481 a BONUS DEPRECIATION	0	2,975,827			1,487,914	0	1,487,914	0		-			2,975,827	
5.03	R & D DEDUCTION - SECTION 174	39,875	39,875			39,875	0	39,875	0		39,875			39,875	
5.04	TAX DEPRECIATION LOOKBACK	0	(5,901,291)			(2,950,645)	0	(2,950,645)	0		-			(5,901,291)	
5.05	GAIN/LOSS ON ACRS/MACRS PROPERTY	110,681	(930,089)			(409,704)	0	(409,704)	0		110,681			(930,089)	
5.06	ABFUDC	6,190,134	7,723,798			6,956,966	0	6,956,966	0		6,190,134			7,723,798	
5.07	INT EXP CAPITALIZED FOR TAX	(12,461,443)	(15,419,785)			(13,940,614)	0	(13,940,614)	0		(12,461,443)			(15,419,785)	
5.08	BOOK/TAX UNIT OF PROPERTY ADJ	2,288,797	773,714			1,531,256	0	1,531,256	0		2,288,797			773,714	
5.09	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	126,771	126,771			126,771	0	126,771	0		126,771			126,771	
5.10	TX ACCEL AMORT - CAPITALIZED SOFTWARE	139,189	123,724			131,456	0	131,456	0		139,189			123,724	
5.11	CAPITALIZED RELOCATION COSTS	26,032	26,032			26,032	0	26,032	0		26,032			26,032	
5.12	CAPITALIZED SOFTWARE COST-BOOK	2,443,176	3,303,203			2,873,190	0	2,873,190	0		2,443,176			3,303,203	
5.13	REMOVAL CST	181,815	339,223			260,519	0	260,519	0		181,815			339,223	
5.14	EXCESS ADFIT - PROTECTED	106,810,039	106,968,882			106,889,460	0	106,889,460	0		106,810,039			106,968,882	
5.15	EXCESS ADFIT - UNPROTECTED	(2,279,184)	(1,965,660)			(2,122,422)	0	(2,122,422)	0		(2,279,184)			(1,965,660)	
5.16	NON-UTILITY DEFERRED FIT	0	0	0	0	0	0	0	0						
5.17	SFAS 109 FLOW-THRU 282.3	18,693,798	22,320,829	(18,693,798)	(22,320,829)	0	0	0	0						
5.18	SFAS 109 EXCESS DFIT 282.4	(104,530,855)	(105,003,222)	104,530,855	105,003,222	0	0	0	0						
6	TOTAL ACOUNT 282	198,679,186	223,729,556	85,837,057	82,682,394	295,464,097	0	295,464,096	0	0	284,516,243	0	0	306,411,949	0
7	ACCOUNT 282 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	ACCOUNT 283:														
9.01	REG ASSET-TRANSCO PRE-FORMATION COSTS	0	0			0	0	0	0		0			0	
9.02	STATE NOL CURRENT BENEFIT	0	0			0	0	0	0		-			-	
9.03	EXCESS ADFIT - UNPROTECTED	(8,666,176)	(10,410,609)			(9,538,393)	0	(9,538,393)	0		(8,666,176)			(10,410,609)	
9.04	NON-UTILITY DEFERRED FIT 283.2	-	-	0	0	0									
9.05	SFAS 109 FLOW-THRU 283.3	4,969,238	5,933,385	(4,969,238)	(5,933,385)	0									
9.06	SFAS 109 EXCESS DFIT 283.4	(215,522)	9,355,472	215,522	(9,355,472)	0									
9.07	SFAS 133 ADIT FED - SFAS 133 NONAFFIL 2830006	-	-	0	0	0									
9.08	ADIT - FED-HDG-CF-INT RATE 2830015	-	-	0	0	0									
9.09				0	0	0									
10		(3,912,460)	4,878,247	(4,753,716)	(15,288,856)	(9,538,393)	0	(9,538,393)	0	0	(8,666,176)	0	0	(10,410,609)	0
11	DEFD STATE INCOME TAXES	24,085,365	30,126,820			27,106,093	0	27,106,093	0		24,085,365			30,126,820	
11.01				0	0	0									
12	TOTAL ACCOUNT 283	20,172,905	35,005,068	(4,753,716)	(15,288,856)	17,567,700	0	17,567,700	0	0	15,419,189	0	0	19,716,211	0
13	ACCOUNT 283 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	JURISDICTIONAL AMOUNTS FUNCTIONALIZED														
15	TOTAL COMPANY AMOUNTS FUNCTIONALIZED														
16	REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANT														
17	NOTE: POST 1970 ACCUMULATED DEFERRED														
18	INV TAX CRED. (JDITC) IN A/C 255														
18.01		0	0			0	0	0	0						
18.02		0	0			0	0	0	0						
19															
20	TOTAL ACCOUNT 255	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

DEBIT (CREDIT)

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE ELECTRIC UTILITY	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2018			FUNCTIONALIZATION 12/31/2019		
	ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2018	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2018	BALANCE AS OF 12-31-2019	(B+C+D+E)/2	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1	ACCOUNT 190:														
2.01	NOL & TAX CREDIT C/F - DEF TAX ASSET	0	9,962			4,981	0	4,981	0		-			9,962	
2.02	INT EXP CAPITALIZED FOR TAX	0	0			0	0	0	0		-			-	
2.03	CWC - BOOK RECEIPTS	763,869	914,475			839,172	0	839,172	0		763,869			914,475	
2.04	PROV POSS REV REFDS	(107,120)	(175,442)			(141,281)	0	(141,281)	0		(107,120)			(175,442)	
2.05	ACCRD COMPANYWIDE INCENTV PLAN	271,820	51,772			161,796	0	161,796	0		271,820			51,772	
2.06	ACCRUED INTEREST-LONG-TERM-FIN 48	(6)	0			(3)	0	(3)	0		(6)			-	
2.07	FIN 48 DSIT	0	(4)			(2)	0	(2)	0					(4)	
2.08	DEFD STATE INCOME TAXES	5,057,927	6,326,632			5,692,280	0	5,692,280	0		5,057,927			6,326,632	
2.09	NOL-DEFERRED TAX ASSET RECLASS	0	0			0	0	0	0		-			-	
2.10	NON-UTILITY DEFERRED FIT	-	-	0	0	0									
2.11	SFAS 109 FLOW-THRU 190.3	-	-	0	0	0									
2.12	SFAS 109 EXCESS DFIT 190.4	25,483,016	33,938,244	(25,483,016)	(33,938,244)	0									
2.13	SFAS 133 ADIT FED - SFAS NONAFFIL 1900006	-	-	0	0	0									
2.14	ADIT FED - PENSION OCI NAF 1900009	-	-	0	0	0									
2.15	ADIT-FED-HDG-CF-INT RATE1900015	-	-	0	0	0									
2.16				0	0	0									
2.17				0	0	0									
2.18				0	0	0									
2.19				0	0	0									
2.20				0	0	0	0	0	0						
2.21		0	0			0	0	0	0						
3	TOTAL ACCOUNT 190	31,469,506	41,065,640	(25,483,016)	(33,938,244)	6,556,943	0	6,556,943	0	0	5,986,490	0	0	7,127,396	0
4	ACCOUNT 190 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0

INDIANA MICHIGAN TRANSMISSION COMPANY
Worksheet B-3
Excess/ Deficient ADIT Worksheet
For Year Ended December 31, 2019
Debit/(Credit)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
								1/1/2019 Beginning Balances		Balance Sheet Entries			Tax Expense Entries		12/31/2019 Ending Balance		
Line No.	Account (NOTE A)	Description of Account	Protected Unprotected	Tax Rate Change Act	Excess Balance at Remeasurement	Amortization Methodology (NOTE C)	Amortization Period	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals	Balance Sheet Account Reclassifications	182.3	254	410/411 Excess Amortization NOTE C	410/411 Deferred Tax Expense/ (Benefit)	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals	Reference
															Sum of Cols (I) - (O)		
	Deferred Tax Account (NOTE B)																
1a	190/4001	ADFIT - FAS 109 Excess	N/A	TCJA 2017				25,483,016				8,455,228			33,938,244		WS B - 2 Col B, Line 2.12
1b	282/1001	ADFIT - Utility Property	Protected	TCJA 2017	(106,249,253)	**ARAM**	**Life of Asset**		(106,810,039)				81,797	(240,640)		(106,968,882)	WS B - 1 Col B, Line 5.14
1c	282/1001	ADFIT - Utility Property	Unprotected	TCJA 2017	2,532,427	**10 Years**	**1/2018 - 12/2027**		1,719,184				(245,712)	(67,812)		1,965,683	WS B - 1 Col B, Line 5.15
1d	282/4001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017				106,810,039				158,843			106,968,882		WS B - 1 Col B, Line 5.18
1e	282/4001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017				(2,279,184)				313,524				(1,965,660)	
1f	283/1001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017	3,966,093	**10 Years**	**1/2018 - 12/2027**						(997,177)	2,741,611		3,325,471	WS B - 1 Col B, Line 9.03
1g	283/4001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017				215,523				(9,570,994)			(9,355,471)		WS B - 1 Col B, Line 9.06
1h	**NOTE D**																
	Regulatory Deferral Accounts																
2a	182.3	Regulatory Asset		TCJA 2017				1,055,138							(1,055,138)		Company Records
2b	254	Regulatory Liability		TCJA 2017				(129,174,256)				643,399			(128,530,857)		FERC Form 1 p. 278 Ln. 3 Cols. (b) (f)
2c	**NOTE D**																
3		Total For Accounting Entries (Sum of Lines 1a through 2b)						0	(95,864,680)	-	-	-	1,161,092	(2,433,159)	-	(94,592,613)	
													NOTE E				

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

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

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

NOTE D: In the event of future tax rate changes, additional lines will be inserted as required to reflect any new ADIT or regulatory deferral accounts that may be necessary to track that tax rate change.

NOTE E: The amount of excess amortization entries shown in lines 1a through 1h are shown as a debit or credit to the ADIT account from which it is being amortized. The total in line 3 is the offset as charged to the 410/411 account.

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

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, ln 8, Col. (c) & (b)	2,529	2,470	2,500
3	General Materials & Supplies	FF1, p. 227, ln 11, Col. (c) & (b)			-
4	Stores Expense (Undistributed) - Account 163	FF1, p. 227, ln 16, Col. (c) & (b)			-

Prepayment Balance Summary (Note 1)

5		Average of YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)
6	Totals as of December 31, 2019	533,791	0	0	533,791	0	533,791
7	Totals as of December 31, 2018	354,113	0	0	354,113	0	354,113
8	**Average Balance**	443,952	-	-	443,952	-	443,952

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	240,922	-		240,922		240,922	
11	1650021	Prepaid Insurance - EIS	112,816	-		112,816		112,816	
12	1650023	Prepaid Lease	180,053	-		180,053		180,053	
13	1650003	Prepaid Rents	0	-		-		-	
14	165001217	Prepaid Use Tax	0	-		-		-	
15	1650005	Prepaid Employee Benefits	0	-		-		-	
16	1650006	Other Prepayments	0	-		-		-	
17	1650009	Prepaid Carry Cost-Factored AR	0	-		-		-	
18	1650010	Prepaid Pension Benefits	0	-		-		-	
19	1650014	FAS 158 Qual Contra Asset	0	-		-		-	
20	1650016	FAS 112 ASSETS	0	-		-		-	
21	1650031	Prepaid OCIP Work Comp	0	-		-	-	-	
22	1650032	Prepaid OCIP Work Comp LT	0	-			-	-	
23	1650033	Prepaid OCIP Work Comp - Aff	0	-			-	-	
24	1650034	Prepaid OCIP Work Comp LT - Aff	0	-			-	-	
25							-	-	
		Subtotal - Form 1, p 111.57.c	533,791	0	0	533,791	0	533,791	

Prepayments Account 165 - Balance @ 12/31/ 2018

26	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
27	1650001	Prepaid Insurance	205,967	-		205,967		205,967	
28	1650021	Prepaid Insurance - EIS	98,733	-		98,733		98,733	
29	1650023	Prepaid Lease	49,412	-		49,412		49,412	
30	1650003	Prepaid Rents	0	-		-		-	
31	165001217	Prepaid Use Tax	0	-		-		-	
32	1650005	Prepaid Employee Benefits	0	-		-		-	
33	1650006	Other Prepayments	0	-		-		-	
34	1650009	Prepaid Carry Cost-Factored AR	0	-		-		-	
35	1650010	Prepaid Pension Benefits	0	-		-		-	
34	1650014	FAS 158 Qual Contra Asset	0	-		-		-	
35	1650016	FAS 112 ASSETS	0	-		-		-	
36	1650031	Prepaid OCIP Work Comp	0	-		-	-	-	
37	1650032	Prepaid OCIP Work Comp LT	0	-			-	-	
38	1650033	Prepaid OCIP Work Comp - Aff	0	-			-	-	
39	1650034	Prepaid OCIP Work Comp LT - Aff	0	-			-	-	
40							-	-	
		Subtotal - Form 1, p 111.57.d	354,113	0	0	354,113	0	354,113	

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

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

Line Number	(A) Description	(B) 2019
1	Net Funds from IPP Customers 12/31/2018 (2019 FORM 1, P269)	-
2	Interest Expense (Company Records - Note 1)	-
3	Revenue Credits to Generators (Company Records - Note 1)	-
4	Other Adjustments	
5	Accounting Adjustment (Company Records - Note 1)	-
6		-
7	Net Funds from IPP Customers 12/31/2019 (2019 FORM 1, P269)	-
8	Average Balance for Year as Indicated in Column ((ln 1 + ln 7)/2)	-

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

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

Line Number	Description	Total Company	Non-Transmission	Transmission
1	**Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)**		-	
2	**Account 451,Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)**		-	
3	**Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)**	1,040,263	1	1,040,262
4	**Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)**		-	
5	**Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)**	268,936,220	268,936,220	
5a	**Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)**		-	
5b	**Account 457.2, Miscellaneous Revenues (FF1p.300.24.(b); Company Records - Note 1)**		-	
6	**Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))**	269,976,482	268,936,220	1,040,262
7	**Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)**		-	
8	**Total Other Operating Revenues To Reduce Revenue Requirement**	269,976,482	268,936,220	1,040,262
9	**Facility Credits under PJM OATT Section 30.9**			

Note 1 The total company data on this worksheet comes from the indicated FF1 source, or AEP Indiana Michigan Transmission Company's general ledger. The functional amounts identified as transmission revenue also come from the general ledger.
Note 2 The total of line 4 and line 5 will equal total Account 456 as listed on FF1 p.300.21-22.(b)

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet F Supporting Allocation of Specific O&M or A&G Expenses
AEP Indiana Michigan Transmission Company

Line Number	(A) Item No.	(B) Description	(C) 2019 Expense	(D) 100% Non-Transmission	(E) 100% Transmission Specific	(F) Explanation
		Regulatory O&M Deferrals & Amortizations				
1						
2						
3						
4		**Total**	-			
		Detail of Account 561 Per FERC Form 1				
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	-			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	460,265			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling	-			
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	-			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	290,609			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	-			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	-			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	-			
14		**Total of Account 561**	750,874			
		Account 928				
15	9280000	Regulatory Commission Exp	396	396	-	
16	9280001	Regulatory Commission Exp-Adm	13	13	-	
17	9280002	Regulatory Commission Exp-Case	(1,626)	(1,626)	-	
18	9280005	Reg Com Exp-FERC Trans Cases	72,091	-	72,091	
19				-	-	
20				-	-	
21		**Total (FERC Form 1 p.323.189.b)**	70,875	(1,216)	72,091	
		Account 930.1				
22	9301000	General Advertising Expenses	61	61	-	
23	9301001	Newspaper Advertising Space	479	479	-	
24	9301010	Publicity	306	306	-	
25	9301012	Public Opinion Surveys	26	26	-	
26	9301015	Other Corporate Comm Exp	663	663		
27				-	-	
28				-	-	
29				-	-	
30				-	-	
31				-	-	
32				-	-	
33				-	-	
34				-	-	
35				-	-	
36				-	-	
37				-	-	
38		**Total (FERC Form 1 p.323.191.b)**	1,535	1,535	-	
		Account 930.2				
39	9302000	Misc General Expenses	131,645	131,645	-	
40	9302003	Corporate & Fiscal Expenses	14,193	14,193	-	
41	9302006	Assoc Bus Dev - Materials Sold	-	-	-	
42	9302007	Assoc Business Development Exp	1,547	-	1,547	
43		**Total (FERC Form 1 p.323.192.b)**	147,384	145,838	1,547	

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

1	Indiana State Tax Rate	4.90%	
	Apportionment Factor - Note 1	83.36%	
	Effective State Tax Rate		4.08%
2	Michigan Tax Rate	6.00%	
	Apportionment Factor - Note 1	16.07%	
	Effective State Tax Rate		0.96%
3	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
4	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
5	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
	Total Effective State Income Tax Rate		5.04%

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

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet H page 1 Supporting Taxes Other than Income
AEP Indiana Michigan Transmission Company

Line No.	(A) Account	(B) Total Company NOTE 1	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	**Revenue Taxes**					
2	Gross Receipts Tax	4				4
3	**Real Estate and Personal Property Taxes**					
4	Real and Personal Property - Michigan	6,528,993	6,528,993			
5	Real and Personal Property - Indiana	10,784,977	10,784,977			
6	Real and Personal Property - Tennessee	-	-			
7	Real and Personal Property - Other Jurisdictions	-	-			
8	**Payroll Taxes**					
9	Federal Insurance Contribution (FICA)	-		-		
10	Federal Unemployment Tax	-		-		
11	State Unemployment Insurance	-		-		
12	*Line Deliberately Left Blank*					
13	State Severance Taxes	-				-
14	**Miscellaneous Taxes**					
15	State Business & Occupation Tax	-				-
16	State Public Service Commission Fees	-			-	
17	State Franchise Taxes	-			-	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	-				-
21	Federal Excise Tax	-				-
22	Michigan Single Business Tax	-				-
23	Total Taxes by Allocable Basis	17,313,974	17,313,970	-	-	4

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

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

Functional Property Tax Allocation

Line No.		Lines 24-58 Column (B) Deliberately Left Blank	Transmission	Lines 24-58 Column (D) Deliberately Left Blank	General	Total
24	Functionalized Net Plant (TCOS, Lns 33 thru 36)	-	1,862,469,473	-	18,673,515	1,881,142,989
	MICHIGAN JURISDICTION					
25	Percentage of Plant in MICHIGAN JURISDICTION					
26	Net Plant in MICHIGAN JURISDICTION (Ln 24 * Ln 25)	-	-	-	-	-
27	Less: Net Value of Exempted Generation Plant					
28	Taxable Property Basis (Ln 26 - Ln 27)	-	-	-	-	-
29	Relative Valuation Factor					-
30	Weighted Net Plant (Ln 28 * Ln 29)	-	-	-	-	
31	General Plant Allocator (Ln 30 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%	
32	Functionalized General Plant (Ln 31 * General Plant)	-	-	-	-	-
33	Weighted MICHIGAN JURISDICTION Plant (Ln 30 + 32)	-	-	-	-	-
34	Functional Percentage (Ln 33/Total Ln 33)	0.00%	100.00%	0.00%		
	INDIANA JURISDICTION					
35	Net Plant in INDIANA JURISDICTION (Ln 24 - Ln 26)	-	1,862,469,473	-	18,673,515	1,881,142,989
36	Less: Net Value Exempted Generation Plant					
37	Taxable Property Basis	-	1,862,469,473	-	18,673,515	1,881,142,989
38	Relative Valuation Factor					
39	Weighted Net Plant (Ln 37 * Ln 38)	-	-	-	-	
40	General Plant Allocator (Ln 39 / (Total - General Plant)	0.00%	100.00%	0.00%	-100.00%	
41	Functionalized General Plant (Ln 41 * General Plant)	-	-	-	-	
42	Weighted INDIANA JURISDICTION Plant (Ln 39 + 41)	-	-	-	-	-
43	Functional Percentage (Ln 42/Total Ln 42)	0.00%	100.00%	0.00%		

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet H page 2 Form 1 Source Reference of Company Amounts on WS H
AEP Indiana Michigan Transmission 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	4		
			1	P.263 ln 26 (i)
			3	P.263 ln 27 (i)

	(A) "Real Estate and Personal Propety 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)**		17,313,970				17,313,970
4	Real and Personal Property - Michigan		6,528,993				6,528,993
		2017		405,893	P.263 ln 20 (i)	100.00%	405,893
		2018		6,123,100	P.263 ln 21 (i)	100.00%	6,123,100
							-
							-
							-
							-
5	Real and Personal Property - Indiana		10,784,977				10,784,977
		2018		613,977	P.263 ln 23 (i)	100.00%	613,977
		2019		10,171,000	P.263 ln 24 (i)	100.00%	10,171,000
							-
							-
							-
							-
6	Real and Personal Property - Tennessee		-				-
							-
							-
7	Real and Personal Property - Other Jurisdictions		-				-
							-

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
8	**Payroll Taxes**			
9	Federal Insurance Contribution (FICA)	-		
				P.263 ln 6 (i)
10	Federal Unemployment Tax	-		
				P.263 ln 9 (i)
11	State Unemployment Insurance	-		
				P.263.1 ln 23 (i)
				P.263.2 ln 33 (i)
				P.263.3 ln 16 (i)
12	*Line Left Deliberately Blank*			
13	State Severance Taxes	-		
14	**Miscellaneous Taxes**			
15	State Business & Occupation Tax	-		
				P.263 ln 21 (i)
				P.263 ln 22 (i)
16	State Public Service Commission Fees	-		
				P.263 ln 26 (i)
				P.263 ln 27 (i)
				P.263.3 ln 20 (i)
17	State Franchise Taxes	-		
				P.263 ln 12 (i)
				P.263 ln 13 (i)
				P.263.1 ln 34 (i)
				P.263.2 ln 10 (i)
				P.263.2 ln 11 (i)
				P.263.2 ln 38 (i)
				P.263.2 ln 39 (i)
				P.263.3 ln 27 (i)
				P.263.3 ln 28 (i)
				P.263.4 ln 20 (i)
				P.263.4 ln 27 (i)
18	State Lic/Registration Fee	-		
			-	P.263.1 ln 13 (i)
				P.263.2 ln 13 (i)
				P.263.3 ln 8 (i)
				P.263.4 ln 21 (i)
19	Misc. State and Local Tax	-		
				P.263.1 ln 12 (i)
20	Sales & Use	-		
			-	P.263 ln 10 (i)
				P.263 ln 31(i)
				P.263.2 ln 16 (i)
				P.263.2 ln 17 (i)
				P.263.3 ln 21 (i)
21	Federal Excise Tax	-		
				P.263 ln 13 (i)
				P.263 ln 14 (i)
22	Michigan Single Business Tax	-		
23	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14,(c))	17,313,970	17,313,974	

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

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

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

Reserved for Future Use

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet K Supporting Calculation of TRUE-UP PJM RTEP Project Revenue Requirement Billed to Benefiting Zones
AEP Indiana Michigan Transmission Company

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

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

ROE w/o incentives (TCOS, ln 138)			10.35%
Project ROE Incentive Adder			0
ROE with additional 0 basis point incentive			10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the True-Up TCOS, lns 136 through 138)			
	%	Cost	Weighted cost
Long Term Debt	44.92%	3.87%	1.738%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	55.00%	10.35%	5.693%
		R =	7.430%

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

Rate Base (True-Up TCOS, ln 58)	1,548,223,213
R (fom A. above)	7.430%
Return (Rate Base x R)	115,036,559

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

Return (from B. above)	115,036,559
Effective Tax Rate (TCOS, ln 97)	25.50%
Income Tax Calculation (Return x CIT)	29,335,802
ITC Adjustment	-
Excess Deferred Income Tax	1,515,544
Tax Affect of Permanent Differences	499,489
Income Taxes	31,350,836

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)	232,569,129
Lease Payments (TCOS, Lns 80)	-
Return (TCOS, ln 109)	115,087,187
Income Taxes (TCOS, ln 108)	31,363,747
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	86,118,195

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

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	86,118,195
Return (from I.B. above)	115,036,559
Income Taxes (from I.C. above)	31,350,836
Annual Revenue Requirement, with 0 Basis Point ROE increase	232,505,590
Depreciation (TCOS, ln 83)	40,718,765
Annual Rev. Req, w/ 0 Basis Point ROE increase, less Depreciation	191,786,825

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

Net Transmission Plant (Projected TCOS, ln 33)	1,823,697,307
Annual Revenue Requirement, with 0 Basis Point ROE increase	232,505,590
FCR with 0 Basis Point increase in ROE	12.75%
Annual Rev. Req, w / 0 Basis Point ROE increase, less Dep.	191,786,825
FCR with 0 Basis Point ROE increase, less Depreciation	10.52%
FCR less Depreciation (TCOS, ln 10)	10.52%
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 19	1,908,028,907
Annual Depreciation and Amortization Expense (TCOS, ln 83)	40,718,765
Composite Depreciation Rate	2.13%
Depreciable Life for Composite Depreciation Rate	46.86
Average Life in Whole Years	47

SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR RTEPPROJECTS

TRUE-UP YEAR	Rev Require	W Incentives	Incentive Amounts
As Projected in Prior Year WS J	$ 47,297,505	$ 47,297,505	$ -
Actual After True-up	$ 46,913,545	$ 46,913,545	$ -
True-up of ARR For 2019	(383,960)	(383,960)	-

Note 1: Until AEP Indiana Michigan Transmission Company establishes Transmission plant in service the depreciation expense component of the carrying charge will be calculated as in the Operating Company formula approved in Docket No. ER08-1329. The calculation for AEP Indiana Michigan Transmission Company is shown on Worksheet P.

AEP Indiana Michigan Transmission Company 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	744,108	744,108	-
Prior Yr True-Up	742,745	742,745	-
True-Up Adjustment	(1,363)	(1,363)	-

Details

Investment	6,636,011	Current Year	2019
Service Year (yyyy)	2012	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	141,192

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 **
2012	6,636,011	-	6,636,011	6,636,011	698,099	698,099	$ -	$ 655,786	$ 99,630	$ 655,786	$ 99,630	$ -
2013	6,636,011	141,192	6,494,819	6,565,415	831,864	831,864	$ -	$ 758,010	$ 85,590	$ 758,010	$ 85,590	$ -
2014	6,494,819	141,192	6,353,628	6,424,223	817,011	817,011	$ -	$ 735,370	$ 97,252	$ 735,370	$ 97,252	$ -
2015	6,353,628	141,192	6,212,436	6,283,032	802,158	802,158	$ -	$ 1,351,122	$ (529,479)	$ 1,351,122	$ (529,479)	$ -
2016	6,212,436	141,192	6,071,244	6,141,840	787,305	787,305	$ -	$ 758,565	$ 28,740	$ 758,565	$ 28,740	$ -
2017	6,071,244	141,192	5,930,052	6,000,648	772,451	772,451	$ -	$ 1,860,187	$ (1,087,736)	$ 1,860,187	$ (1,087,736)	$ -
2018	5,930,052	141,192	5,788,861	5,859,457	757,598	757,598	$ -	$ 1,592,956	$ (835,358)	$ 1,592,956	$ (835,358)	$ -
2019	5,788,861	141,192	5,647,669	5,718,265	742,745	742,745	$ -	$ 744,108	$ (1,363)	$ 744,108	$ (1,363)	$ -
2020	5,647,669	141,192	5,506,477	5,577,073	727,892	727,892	$ -		$ -		$ -	$ -
2021	5,506,477	141,192	5,365,285	5,435,881	713,039	713,039	$ -		$ -		$ -	$ -
2022	5,365,285	141,192	5,224,094	5,294,690	698,186	698,186	$ -		$ -		$ -	$ -
2023	5,224,094	141,192	5,082,902	5,153,498	683,332	683,332	$ -		$ -		$ -	$ -
2024	5,082,902	141,192	4,941,710	5,012,306	668,479	668,479	$ -		$ -		$ -	$ -
2025	4,941,710	141,192	4,800,519	4,871,114	653,626	653,626	$ -		$ -		$ -	$ -
2026	4,800,519	141,192	4,659,327	4,729,923	638,773	638,773	$ -		$ -		$ -	$ -
2027	4,659,327	141,192	4,518,135	4,588,731	623,920	623,920	$ -		$ -		$ -	$ -
2028	4,518,135	141,192	4,376,943	4,447,539	609,067	609,067	$ -		$ -		$ -	$ -
2029	4,376,943	141,192	4,235,752	4,306,348	594,213	594,213	$ -		$ -		$ -	$ -
2030	4,235,752	141,192	4,094,560	4,165,156	579,360	579,360	$ -		$ -		$ -	$ -
2031	4,094,560	141,192	3,953,368	4,023,964	564,507	564,507	$ -		$ -		$ -	$ -
2032	3,953,368	141,192	3,812,177	3,882,772	549,654	549,654	$ -		$ -		$ -	$ -
2033	3,812,177	141,192	3,670,985	3,741,581	534,801	534,801	$ -		$ -		$ -	$ -
2034	3,670,985	141,192	3,529,793	3,600,389	519,948	519,948	$ -		$ -		$ -	$ -
2035	3,529,793	141,192	3,388,601	3,459,197	505,094	505,094	$ -		$ -		$ -	$ -
2036	3,388,601	141,192	3,247,410	3,318,005	490,241	490,241	$ -		$ -		$ -	$ -
2037	3,247,410	141,192	3,106,218	3,176,814	475,388	475,388	$ -		$ -		$ -	$ -
2038	3,106,218	141,192	2,965,026	3,035,622	460,535	460,535	$ -		$ -		$ -	$ -
2039	2,965,026	141,192	2,823,834	2,894,430	445,682	445,682	$ -		$ -		$ -	$ -
2040	2,823,834	141,192	2,682,643	2,753,239	430,829	430,829	$ -		$ -		$ -	$ -
2041	2,682,643	141,192	2,541,451	2,612,047	415,975	415,975	$ -		$ -		$ -	$ -
2042	2,541,451	141,192	2,400,259	2,470,855	401,122	401,122	$ -		$ -		$ -	$ -
2043	2,400,259	141,192	2,259,068	2,329,663	386,269	386,269	$ -		$ -		$ -	$ -
2044	2,259,068	141,192	2,117,876	2,188,472	371,416	371,416	$ -		$ -		$ -	$ -
2045	2,117,876	141,192	1,976,684	2,047,280	356,563	356,563	$ -		$ -		$ -	$ -
2046	1,976,684	141,192	1,835,492	1,906,088	341,709	341,709	$ -		$ -		$ -	$ -
2047	1,835,492	141,192	1,694,301	1,764,897	326,856	326,856	$ -		$ -		$ -	$ -
2048	1,694,301	141,192	1,553,109	1,623,705	312,003	312,003	$ -		$ -		$ -	$ -
2049	1,553,109	141,192	1,411,917	1,482,513	297,150	297,150	$ -		$ -		$ -	$ -
2050	1,411,917	141,192	1,270,726	1,341,321	282,297	282,297	$ -		$ -		$ -	$ -
2051	1,270,726	141,192	1,129,534	1,200,130	267,444	267,444	$ -		$ -		$ -	$ -
2052	1,129,534	141,192	988,342	1,058,938	252,590	252,590	$ -		$ -		$ -	$ -
2053	988,342	141,192	847,150	917,746	237,737	237,737	$ -		$ -		$ -	$ -
2054	847,150	141,192	705,959	776,554	222,884	222,884	$ -		$ -		$ -	$ -
2055	705,959	141,192	564,767	635,363	208,031	208,031	$ -		$ -		$ -	$ -
2056	564,767	141,192	423,575	494,171	193,178	193,178	$ -		$ -		$ -	$ -
2057	423,575	141,192	282,383	352,979	178,325	178,325	$ -		$ -		$ -	$ -
2058	282,383	141,192	141,192	211,788	163,471	163,471	$ -		$ -		$ -	$ -
2059	141,192	141,192	-	70,596	148,618	148,618	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		6,636,011			23,739,435	23,739,435	-					

** 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	1,728,141	1,728,141	-
Prior Yr True-Up	1,725,616	1,725,616	-
True-Up Adjustment	(2,525)	(2,525)	-

Details

Investment	15,264,784	Current Year		2019
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)		-
Service Month (1-12)	6	FCR w/o incentives, less depreciation		10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.		10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense		324,783

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 **
2013	15,264,784	162,391	15,102,393	15,183,588	1,759,683	1,759,683	$ -	$ 1,578,782	$ 180,901	$ 1,578,782	$ 180,901	$ -
2014	15,102,393	324,783	14,777,610	14,940,001	1,896,450	1,896,450	$ -	$ 1,735,811	$ 160,639	$ 1,735,811	$ 160,639	$ -
2015	14,777,610	324,783	14,452,827	14,615,219	1,862,283	1,862,283	$ -	$ 1,857,418	$ 4,865	$ 1,857,418	$ 4,865	$ -
2016	14,452,827	324,783	14,128,045	14,290,436	1,828,116	1,828,116	$ -	$ 1,808,629	$ 19,487	$ 1,808,629	$ 19,487	$ -
2017	14,128,045	324,783	13,803,262	13,965,653	1,793,950	1,793,950	$ -	$ 1,924,179	$ (130,229)	$ 1,924,179	$ (130,229)	$ -
2018	13,803,262	324,783	13,478,479	13,640,871	1,759,783	1,759,783	$ -	$ 1,648,242	$ 111,541	$ 1,648,242	$ 111,541	$ -
2019	13,478,479	324,783	13,153,697	13,316,088	1,725,616	1,725,616	$ -	$ 1,728,141	$ (2,525)	$ 1,728,141	$ (2,525)	$ -
2020	13,153,697	324,783	12,828,914	12,991,306	1,691,450	1,691,450	$ -		$ -		$ -	$ -
2021	12,828,914	324,783	12,504,132	12,666,523	1,657,283	1,657,283	$ -		$ -		$ -	$ -
2022	12,504,132	324,783	12,179,349	12,341,740	1,623,116	1,623,116	$ -		$ -		$ -	$ -
2023	12,179,349	324,783	11,854,566	12,016,958	1,588,949	1,588,949	$ -		$ -		$ -	$ -
2024	11,854,566	324,783	11,529,784	11,692,175	1,554,783	1,554,783	$ -		$ -		$ -	$ -
2025	11,529,784	324,783	11,205,001	11,367,392	1,520,616	1,520,616	$ -		$ -		$ -	$ -
2026	11,205,001	324,783	10,880,218	11,042,610	1,486,449	1,486,449	$ -		$ -		$ -	$ -
2027	10,880,218	324,783	10,555,436	10,717,827	1,452,283	1,452,283	$ -		$ -		$ -	$ -
2028	10,555,436	324,783	10,230,653	10,393,044	1,418,116	1,418,116	$ -		$ -		$ -	$ -
2029	10,230,653	324,783	9,905,870	10,068,262	1,383,949	1,383,949	$ -		$ -		$ -	$ -
2030	9,905,870	324,783	9,581,088	9,743,479	1,349,783	1,349,783	$ -		$ -		$ -	$ -
2031	9,581,088	324,783	9,256,305	9,418,697	1,315,616	1,315,616	$ -		$ -		$ -	$ -
2032	9,256,305	324,783	8,931,523	9,093,914	1,281,449	1,281,449	$ -		$ -		$ -	$ -
2033	8,931,523	324,783	8,606,740	8,769,131	1,247,283	1,247,283	$ -		$ -		$ -	$ -
2034	8,606,740	324,783	8,281,957	8,444,349	1,213,116	1,213,116	$ -		$ -		$ -	$ -
2035	8,281,957	324,783	7,957,175	8,119,566	1,178,949	1,178,949	$ -		$ -		$ -	$ -
2036	7,957,175	324,783	7,632,392	7,794,783	1,144,783	1,144,783	$ -		$ -		$ -	$ -
2037	7,632,392	324,783	7,307,609	7,470,001	1,110,616	1,110,616	$ -		$ -		$ -	$ -
2038	7,307,609	324,783	6,982,827	7,145,218	1,076,449	1,076,449	$ -		$ -		$ -	$ -
2039	6,982,827	324,783	6,658,044	6,820,435	1,042,283	1,042,283	$ -		$ -		$ -	$ -
2040	6,658,044	324,783	6,333,261	6,495,653	1,008,116	1,008,116	$ -		$ -		$ -	$ -
2041	6,333,261	324,783	6,008,479	6,170,870	973,949	973,949	$ -		$ -		$ -	$ -
2042	6,008,479	324,783	5,683,696	5,846,087	939,783	939,783	$ -		$ -		$ -	$ -
2043	5,683,696	324,783	5,358,914	5,521,305	905,616	905,616	$ -		$ -		$ -	$ -
2044	5,358,914	324,783	5,034,131	5,196,522	871,449	871,449	$ -		$ -		$ -	$ -
2045	5,034,131	324,783	4,709,348	4,871,740	837,283	837,283	$ -		$ -		$ -	$ -
2046	4,709,348	324,783	4,384,566	4,546,957	803,116	803,116	$ -		$ -		$ -	$ -
2047	4,384,566	324,783	4,059,783	4,222,174	768,949	768,949	$ -		$ -		$ -	$ -
2048	4,059,783	324,783	3,735,000	3,897,392	734,783	734,783	$ -		$ -		$ -	$ -
2049	3,735,000	324,783	3,410,218	3,572,609	700,616	700,616	$ -		$ -		$ -	$ -
2050	3,410,218	324,783	3,085,435	3,247,826	666,449	666,449	$ -		$ -		$ -	$ -
2051	3,085,435	324,783	2,760,652	2,923,044	632,283	632,283	$ -		$ -		$ -	$ -
2052	2,760,652	324,783	2,435,870	2,598,261	598,116	598,116	$ -		$ -		$ -	$ -
2053	2,435,870	324,783	2,111,087	2,273,478	563,949	563,949	$ -		$ -		$ -	$ -
2054	2,111,087	324,783	1,786,305	1,948,696	529,783	529,783	$ -		$ -		$ -	$ -
2055	1,786,305	324,783	1,461,522	1,623,913	495,616	495,616	$ -		$ -		$ -	$ -
2056	1,461,522	324,783	1,136,739	1,299,131	461,449	461,449	$ -		$ -		$ -	$ -
2057	1,136,739	324,783	811,957	974,348	427,283	427,283	$ -		$ -		$ -	$ -
2058	811,957	324,783	487,174	649,565	393,116	393,116	$ -		$ -		$ -	$ -
2059	487,174	324,783	162,391	324,783	358,949	358,949	$ -		$ -		$ -	$ -
2060	162,391	162,391	-	81,196	170,933	170,933	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		15,264,784			53,804,790	53,804,790	-					

** 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 (Replace both Tanners Creek 345/138 kV transformers with one bigger transformer)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	663,516	663,516	-
Prior Yr True-Up	662,788	662,788	-
True-Up Adjustment	(728)	(728)	-

Details

Investment	5,805,543	Current Year	2019
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	123,522

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 **
2013	5,805,543	-	5,805,543	5,805,543	610,735	610,735	$ -	$ 461,439	$ 149,296	$ 461,439	$ 149,296	$ -
2014	5,805,543	123,522	5,682,021	5,743,782	727,760	727,760	$ -	$ 626,067	$ 101,693	$ 626,067	$ 101,693	$ -
2015	5,682,021	123,522	5,558,499	5,620,260	714,766	714,766	$ -	$ 697,699	$ 17,067	$ 697,699	$ 17,067	$ -
2016	5,558,499	123,522	5,434,976	5,496,738	701,771	701,771	$ -	$ 692,483	$ 9,288	$ 692,483	$ 9,288	$ -
2017	5,434,976	123,522	5,311,454	5,373,215	688,777	688,777	$ -	$ 737,310	$ (48,533)	$ 737,310	$ (48,533)	$ -
2018	5,311,454	123,522	5,187,932	5,249,693	675,782	675,782	$ -	$ 631,912	$ 43,870	$ 631,912	$ 43,870	$ -
2019	5,187,932	123,522	5,064,410	5,126,171	662,788	662,788	$ -	$ 663,516	$ (728)	$ 663,516	$ (728)	$ -
2020	5,064,410	123,522	4,940,888	5,002,649	649,794	649,794	$ -		$ -		$ -	$ -
2021	4,940,888	123,522	4,817,365	4,879,127	636,799	636,799	$ -		$ -		$ -	$ -
2022	4,817,365	123,522	4,693,843	4,755,604	623,805	623,805	$ -		$ -		$ -	$ -
2023	4,693,843	123,522	4,570,321	4,632,082	610,811	610,811	$ -		$ -		$ -	$ -
2024	4,570,321	123,522	4,446,799	4,508,560	597,816	597,816	$ -		$ -		$ -	$ -
2025	4,446,799	123,522	4,323,277	4,385,038	584,822	584,822	$ -		$ -		$ -	$ -
2026	4,323,277	123,522	4,199,755	4,261,516	571,828	571,828	$ -		$ -		$ -	$ -
2027	4,199,755	123,522	4,076,232	4,137,993	558,833	558,833	$ -		$ -		$ -	$ -
2028	4,076,232	123,522	3,952,710	4,014,471	545,839	545,839	$ -		$ -		$ -	$ -
2029	3,952,710	123,522	3,829,188	3,890,949	532,844	532,844	$ -		$ -		$ -	$ -
2030	3,829,188	123,522	3,705,666	3,767,427	519,850	519,850	$ -		$ -		$ -	$ -
2031	3,705,666	123,522	3,582,144	3,643,905	506,856	506,856	$ -		$ -		$ -	$ -
2032	3,582,144	123,522	3,458,621	3,520,382	493,861	493,861	$ -		$ -		$ -	$ -
2033	3,458,621	123,522	3,335,099	3,396,860	480,867	480,867	$ -		$ -		$ -	$ -
2034	3,335,099	123,522	3,211,577	3,273,338	467,873	467,873	$ -		$ -		$ -	$ -
2035	3,211,577	123,522	3,088,055	3,149,816	454,878	454,878	$ -		$ -		$ -	$ -
2036	3,088,055	123,522	2,964,533	3,026,294	441,884	441,884	$ -		$ -		$ -	$ -
2037	2,964,533	123,522	2,841,010	2,902,771	428,890	428,890	$ -		$ -		$ -	$ -
2038	2,841,010	123,522	2,717,488	2,779,249	415,895	415,895	$ -		$ -		$ -	$ -
2039	2,717,488	123,522	2,593,966	2,655,727	402,901	402,901	$ -		$ -		$ -	$ -
2040	2,593,966	123,522	2,470,444	2,532,205	389,907	389,907	$ -		$ -		$ -	$ -
2041	2,470,444	123,522	2,346,922	2,408,683	376,912	376,912	$ -		$ -		$ -	$ -
2042	2,346,922	123,522	2,223,399	2,285,161	363,918	363,918	$ -		$ -		$ -	$ -
2043	2,223,399	123,522	2,099,877	2,161,638	350,923	350,923	$ -		$ -		$ -	$ -
2044	2,099,877	123,522	1,976,355	2,038,116	337,929	337,929	$ -		$ -		$ -	$ -
2045	1,976,355	123,522	1,852,833	1,914,594	324,935	324,935	$ -		$ -		$ -	$ -
2046	1,852,833	123,522	1,729,311	1,791,072	311,940	311,940	$ -		$ -		$ -	$ -
2047	1,729,311	123,522	1,605,788	1,667,550	298,946	298,946	$ -		$ -		$ -	$ -
2048	1,605,788	123,522	1,482,266	1,544,027	285,952	285,952	$ -		$ -		$ -	$ -
2049	1,482,266	123,522	1,358,744	1,420,505	272,957	272,957	$ -		$ -		$ -	$ -
2050	1,358,744	123,522	1,235,222	1,296,983	259,963	259,963	$ -		$ -		$ -	$ -
2051	1,235,222	123,522	1,111,700	1,173,461	246,969	246,969	$ -		$ -		$ -	$ -
2052	1,111,700	123,522	988,178	1,049,939	233,974	233,974	$ -		$ -		$ -	$ -
2053	988,178	123,522	864,655	926,416	220,980	220,980	$ -		$ -		$ -	$ -
2054	864,655	123,522	741,133	802,894	207,986	207,986	$ -		$ -		$ -	$ -
2055	741,133	123,522	617,611	679,372	194,991	194,991	$ -		$ -		$ -	$ -
2056	617,611	123,522	494,089	555,850	181,997	181,997	$ -		$ -		$ -	$ -
2057	494,089	123,522	370,567	432,328	169,002	169,002	$ -		$ -		$ -	$ -
2058	370,567	123,522	247,044	308,805	156,008	156,008	$ -		$ -		$ -	$ -
2059	247,044	123,522	123,522	185,283	143,014	143,014	$ -		$ -		$ -	$ -
2060	123,522	123,522	-	61,761	130,019	130,019	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		5,805,543			20,768,547	20,768,547	-					

** 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	7,470,796	7,470,796	-
Prior Yr True-Up	7,028,403	7,028,403	-
True-Up Adjustment	(442,393)	(442,393)	-

Details			
Investment	60,574,052	Current Year	2019
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,288,810

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 **
2014	60,574,052	214,802	60,359,250	60,466,651	6,575,807	6,575,807	$ -	$ -	$ -	$ -	$ -	$ -
2015	60,359,250	1,288,810	59,070,440	59,714,845	7,570,726	7,570,726	$ -	$ 1,745,562	$ 5,825,164	$ 1,745,562	$ 5,825,164	$ -
2016	59,070,440	1,288,810	57,781,631	58,426,036	7,435,146	7,435,146	$ -	$ 1,596,924	$ 5,838,222	$ 1,596,924	$ 5,838,222	$ -
2017	57,781,631	1,288,810	56,492,821	57,137,226	7,299,565	7,299,565	$ -	$ 8,620,533	$ (1,320,968)	$ 8,620,533	$ (1,320,968)	$ -
2018	56,492,821	1,288,810	55,204,012	55,848,416	7,163,984	7,163,984	$ -	$ 6,863,859	$ 300,125	$ 6,863,859	$ 300,125	$ -
2019	55,204,012	1,288,810	53,915,202	54,559,607	7,028,403	7,028,403	$ -	$ 7,470,796	$ (442,393)	$ 7,470,796	$ (442,393)	$ -
2020	53,915,202	1,288,810	52,626,392	53,270,797	6,892,822	6,892,822	$ -	$ -	$ -	$ -	$ -	$ -
2021	52,626,392	1,288,810	51,337,583	51,981,988	6,757,241	6,757,241	$ -		$ -		$ -	$ -
2022	51,337,583	1,288,810	50,048,773	50,693,178	6,621,660	6,621,660	$ -		$ -		$ -	$ -
2023	50,048,773	1,288,810	48,759,964	49,404,368	6,486,079	6,486,079	$ -		$ -		$ -	$ -
2024	48,759,964	1,288,810	47,471,154	48,115,559	6,350,498	6,350,498	$ -		$ -		$ -	$ -
2025	47,471,154	1,288,810	46,182,344	46,826,749	6,214,917	6,214,917	$ -		$ -		$ -	$ -
2026	46,182,344	1,288,810	44,893,535	45,537,940	6,079,336	6,079,336	$ -		$ -		$ -	$ -
2027	44,893,535	1,288,810	43,604,725	44,249,130	5,943,755	5,943,755	$ -		$ -		$ -	$ -
2028	43,604,725	1,288,810	42,315,916	42,960,320	5,808,174	5,808,174	$ -		$ -		$ -	$ -
2029	42,315,916	1,288,810	41,027,106	41,671,511	5,672,593	5,672,593	$ -		$ -		$ -	$ -
2030	41,027,106	1,288,810	39,738,296	40,382,701	5,537,012	5,537,012	$ -		$ -		$ -	$ -
2031	39,738,296	1,288,810	38,449,487	39,093,892	5,401,431	5,401,431	$ -		$ -		$ -	$ -
2032	38,449,487	1,288,810	37,160,677	37,805,082	5,265,850	5,265,850	$ -		$ -		$ -	$ -
2033	37,160,677	1,288,810	35,871,867	36,516,272	5,130,270	5,130,270	$ -		$ -		$ -	$ -
2034	35,871,867	1,288,810	34,583,058	35,227,463	4,994,689	4,994,689	$ -		$ -		$ -	$ -
2035	34,583,058	1,288,810	33,294,248	33,938,653	4,859,108	4,859,108	$ -		$ -		$ -	$ -
2036	33,294,248	1,288,810	32,005,439	32,649,843	4,723,527	4,723,527	$ -		$ -		$ -	$ -
2037	32,005,439	1,288,810	30,716,629	31,361,034	4,587,946	4,587,946	$ -		$ -		$ -	$ -
2038	30,716,629	1,288,810	29,427,819	30,072,224	4,452,365	4,452,365	$ -		$ -		$ -	$ -
2039	29,427,819	1,288,810	28,139,010	28,783,415	4,316,784	4,316,784	$ -		$ -		$ -	$ -
2040	28,139,010	1,288,810	26,850,200	27,494,605	4,181,203	4,181,203	$ -		$ -		$ -	$ -
2041	26,850,200	1,288,810	25,561,391	26,205,795	4,045,622	4,045,622	$ -		$ -		$ -	$ -
2042	25,561,391	1,288,810	24,272,581	24,916,986	3,910,041	3,910,041	$ -		$ -		$ -	$ -
2043	24,272,581	1,288,810	22,983,771	23,628,176	3,774,460	3,774,460	$ -		$ -		$ -	$ -
2044	22,983,771	1,288,810	21,694,962	22,339,367	3,638,879	3,638,879	$ -		$ -		$ -	$ -
2045	21,694,962	1,288,810	20,406,152	21,050,557	3,503,298	3,503,298	$ -		$ -		$ -	$ -
2046	20,406,152	1,288,810	19,117,343	19,761,747	3,367,717	3,367,717	$ -		$ -		$ -	$ -
2047	19,117,343	1,288,810	17,828,533	18,472,938	3,232,136	3,232,136	$ -		$ -		$ -	$ -
2048	17,828,533	1,288,810	16,539,723	17,184,128	3,096,555	3,096,555	$ -		$ -		$ -	$ -
2049	16,539,723	1,288,810	15,250,914	15,895,319	2,960,975	2,960,975	$ -		$ -		$ -	$ -
2050	15,250,914	1,288,810	13,962,104	14,606,509	2,825,394	2,825,394	$ -		$ -		$ -	$ -
2051	13,962,104	1,288,810	12,673,294	13,317,699	2,689,813	2,689,813	$ -		$ -		$ -	$ -
2052	12,673,294	1,288,810	11,384,485	12,028,890	2,554,232	2,554,232	$ -		$ -		$ -	$ -
2053	11,384,485	1,288,810	10,095,675	10,740,080	2,418,651	2,418,651	$ -		$ -		$ -	$ -
2054	10,095,675	1,288,810	8,806,866	9,451,270	2,283,070	2,283,070	$ -		$ -		$ -	$ -
2055	8,806,866	1,288,810	7,518,056	8,162,461	2,147,489	2,147,489	$ -		$ -		$ -	$ -
2056	7,518,056	1,288,810	6,229,246	6,873,651	2,011,908	2,011,908	$ -		$ -		$ -	$ -
2057	6,229,246	1,288,810	4,940,437	5,584,842	1,876,327	1,876,327	$ -		$ -		$ -	$ -
2058	4,940,437	1,288,810	3,651,627	4,296,032	1,740,746	1,740,746	$ -		$ -		$ -	$ -
2059	3,651,627	1,288,810	2,362,818	3,007,222	1,605,165	1,605,165	$ -		$ -		$ -	$ -
2060	2,362,818	1,288,810	1,074,008	1,718,413	1,469,584	1,469,584	$ -		$ -		$ -	$ -
2061	1,074,008	1,074,008	-	537,004	1,130,500	1,130,500	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		60,574,052			215,633,452	215,633,452	-					

** 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	11,864,825	11,864,825	-
Prior Yr True-Up	11,872,249	11,872,249	-
True-Up Adjustment	7,424	7,424	-

Details			
Investment	99,133,366	Current Year	2019
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	2,109,221

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	99,133,366	1,054,610	98,078,756	98,606,061	11,427,828	11,427,828	$ -	$ 8,211,582	$ 3,216,246	$ 8,211,582	$ 3,216,246	$ -
2017	98,078,756	2,109,221	95,969,535	97,024,146	12,316,023	12,316,023	$ -	$ 9,400,319	$ 2,915,704	$ 9,400,319	$ 2,915,704	$ -
2018	95,969,535	2,109,221	93,860,315	94,914,925	12,094,136	12,094,136	$ -	$ 11,231,831	$ 862,305	$ 11,231,831	$ 862,305	$ -
2019	93,860,315	2,109,221	91,751,094	92,805,705	11,872,249	11,872,249	$ -	$ 11,864,825	$ 7,424	$ 11,864,825	$ 7,424	$ -
2020	91,751,094	2,109,221	89,641,874	90,696,484	11,650,362	11,650,362	$ -	$ -	$ -	$ -	$ -	$ -
2021	89,641,874	2,109,221	87,532,653	88,587,264	11,428,475	11,428,475	$ -	$ -	$ -	$ -	$ -	$ -
2022	87,532,653	2,109,221	85,423,433	86,478,043	11,206,588	11,206,588	$ -	$ -	$ -	$ -	$ -	$ -
2023	85,423,433	2,109,221	83,314,212	84,368,822	10,984,701	10,984,701	$ -		$ -		$ -	$ -
2024	83,314,212	2,109,221	81,204,992	82,259,602	10,762,814	10,762,814	$ -		$ -		$ -	$ -
2025	81,204,992	2,109,221	79,095,771	80,150,381	10,540,927	10,540,927	$ -		$ -		$ -	$ -
2026	79,095,771	2,109,221	76,986,550	78,041,161	10,319,040	10,319,040	$ -		$ -		$ -	$ -
2027	76,986,550	2,109,221	74,877,330	75,931,940	10,097,153	10,097,153	$ -		$ -		$ -	$ -
2028	74,877,330	2,109,221	72,768,109	73,822,720	9,875,266	9,875,266	$ -		$ -		$ -	$ -
2029	72,768,109	2,109,221	70,658,889	71,713,499	9,653,379	9,653,379	$ -		$ -		$ -	$ -
2030	70,658,889	2,109,221	68,549,668	69,604,278	9,431,492	9,431,492	$ -		$ -		$ -	$ -
2031	68,549,668	2,109,221	66,440,448	67,495,058	9,209,605	9,209,605	$ -		$ -		$ -	$ -
2032	66,440,448	2,109,221	64,331,227	65,385,837	8,987,718	8,987,718	$ -		$ -		$ -	$ -
2033	64,331,227	2,109,221	62,222,007	63,276,617	8,765,831	8,765,831	$ -		$ -		$ -	$ -
2034	62,222,007	2,109,221	60,112,786	61,167,396	8,543,944	8,543,944	$ -		$ -		$ -	$ -
2035	60,112,786	2,109,221	58,003,565	59,058,176	8,322,057	8,322,057	$ -		$ -		$ -	$ -
2036	58,003,565	2,109,221	55,894,345	56,948,955	8,100,170	8,100,170	$ -		$ -		$ -	$ -
2037	55,894,345	2,109,221	53,785,124	54,839,735	7,878,283	7,878,283	$ -		$ -		$ -	$ -
2038	53,785,124	2,109,221	51,675,904	52,730,514	7,656,396	7,656,396	$ -		$ -		$ -	$ -
2039	51,675,904	2,109,221	49,566,683	50,621,293	7,434,509	7,434,509	$ -		$ -		$ -	$ -
2040	49,566,683	2,109,221	47,457,463	48,512,073	7,212,622	7,212,622	$ -		$ -		$ -	$ -
2041	47,457,463	2,109,221	45,348,242	46,402,852	6,990,735	6,990,735	$ -		$ -		$ -	$ -
2042	45,348,242	2,109,221	43,239,021	44,293,632	6,768,848	6,768,848	$ -		$ -		$ -	$ -
2043	43,239,021	2,109,221	41,129,801	42,184,411	6,546,961	6,546,961	$ -		$ -		$ -	$ -
2044	41,129,801	2,109,221	39,020,580	40,075,191	6,325,074	6,325,074	$ -		$ -		$ -	$ -
2045	39,020,580	2,109,221	36,911,360	37,965,970	6,103,187	6,103,187	$ -		$ -		$ -	$ -
2046	36,911,360	2,109,221	34,802,139	35,856,750	5,881,300	5,881,300	$ -		$ -		$ -	$ -
2047	34,802,139	2,109,221	32,692,919	33,747,529	5,659,413	5,659,413	$ -		$ -		$ -	$ -
2048	32,692,919	2,109,221	30,583,698	31,638,308	5,437,526	5,437,526	$ -		$ -		$ -	$ -
2049	30,583,698	2,109,221	28,474,478	29,529,088	5,215,639	5,215,639	$ -		$ -		$ -	$ -
2050	28,474,478	2,109,221	26,365,257	27,419,867	4,993,752	4,993,752	$ -		$ -		$ -	$ -
2051	26,365,257	2,109,221	24,256,036	25,310,647	4,771,865	4,771,865	$ -		$ -		$ -	$ -
2052	24,256,036	2,109,221	22,146,816	23,201,426	4,549,978	4,549,978	$ -		$ -		$ -	$ -
2053	22,146,816	2,109,221	20,037,595	21,092,206	4,328,091	4,328,091	$ -		$ -		$ -	$ -
2054	20,037,595	2,109,221	17,928,375	18,982,985	4,106,204	4,106,204	$ -		$ -		$ -	$ -
2055	17,928,375	2,109,221	15,819,154	16,873,764	3,884,317	3,884,317	$ -		$ -		$ -	$ -
2056	15,819,154	2,109,221	13,709,934	14,764,544	3,662,430	3,662,430	$ -		$ -		$ -	$ -
2057	13,709,934	2,109,221	11,600,713	12,655,323	3,440,543	3,440,543	$ -		$ -		$ -	$ -
2058	11,600,713	2,109,221	9,491,493	10,546,103	3,218,656	3,218,656	$ -		$ -		$ -	$ -
2059	9,491,493	2,109,221	7,382,272	8,436,882	2,996,769	2,996,769	$ -		$ -		$ -	$ -
2060	7,382,272	2,109,221	5,273,051	6,327,662	2,774,882	2,774,882	$ -		$ -		$ -	$ -
2061	5,273,051	2,109,221	3,163,831	4,218,441	2,552,995	2,552,995	$ -		$ -		$ -	$ -
2062	3,163,831	2,109,221	1,054,610	2,109,221	2,331,108	2,331,108	$ -		$ -		$ -	$ -
2063	1,054,610	1,054,610	-	527,305	1,110,082	1,110,082	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		99,133,366			349,421,907	349,421,907	-					

** 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 (Sorenson: Add 765/345 kV transformer and all connection work)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	6,293,605	6,293,605	-
Prior Yr True-Up	6,312,041	6,312,041	-
True-Up Adjustment	18,436	18,436	-

Details

Investment	52,217,632	Current Year	2019
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,111,013

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	52,217,632	-	52,217,632	52,217,632	5,493,221	5,493,221	$ -	$ 5,279,934	$ 213,287	$ 5,279,934	$ 213,287	$ -
2017	52,217,632	1,111,013	51,106,618	51,662,125	6,545,796	6,545,796	$ -	$ 5,667,478	$ 878,318	$ 5,667,478	$ 878,318	$ -
2018	51,106,618	1,111,013	49,995,605	50,551,112	6,428,919	6,428,919	$ -	$ 4,860,385	$ 1,568,534	$ 4,860,385	$ 1,568,534	$ -
2019	49,995,605	1,111,013	48,884,591	49,440,098	6,312,041	6,312,041	$ -	$ 6,293,605	$ 18,436	$ 6,293,605	$ 18,436	$ -
2020	48,884,591	1,111,013	47,773,578	48,329,085	6,195,164	6,195,164	$ -	$ -	$ -	$ -	$ -	$ -
2021	47,773,578	1,111,013	46,662,565	47,218,071	6,078,287	6,078,287	$ -	$ -	$ -	$ -	$ -	$ -
2022	46,662,565	1,111,013	45,551,551	46,107,058	5,961,410	5,961,410	$ -	$ -	$ -	$ -	$ -	$ -
2023	45,551,551	1,111,013	44,440,538	44,996,044	5,844,533	5,844,533	$ -		$ -		$ -	$ -
2024	44,440,538	1,111,013	43,329,524	43,885,031	5,727,656	5,727,656	$ -		$ -		$ -	$ -
2025	43,329,524	1,111,013	42,218,511	42,774,018	5,610,779	5,610,779	$ -		$ -		$ -	$ -
2026	42,218,511	1,111,013	41,107,497	41,663,004	5,493,902	5,493,902	$ -		$ -		$ -	$ -
2027	41,107,497	1,111,013	39,996,484	40,551,991	5,377,025	5,377,025	$ -		$ -		$ -	$ -
2028	39,996,484	1,111,013	38,885,470	39,440,977	5,260,148	5,260,148	$ -		$ -		$ -	$ -
2029	38,885,470	1,111,013	37,774,457	38,329,964	5,143,271	5,143,271	$ -		$ -		$ -	$ -
2030	37,774,457	1,111,013	36,663,444	37,218,950	5,026,394	5,026,394	$ -		$ -		$ -	$ -
2031	36,663,444	1,111,013	35,552,430	36,107,937	4,909,517	4,909,517	$ -		$ -		$ -	$ -
2032	35,552,430	1,111,013	34,441,417	34,996,923	4,792,640	4,792,640	$ -		$ -		$ -	$ -
2033	34,441,417	1,111,013	33,330,403	33,885,910	4,675,763	4,675,763	$ -		$ -		$ -	$ -
2034	33,330,403	1,111,013	32,219,390	32,774,897	4,558,886	4,558,886	$ -		$ -		$ -	$ -
2035	32,219,390	1,111,013	31,108,376	31,663,883	4,442,009	4,442,009	$ -		$ -		$ -	$ -
2036	31,108,376	1,111,013	29,997,363	30,552,870	4,325,132	4,325,132	$ -		$ -		$ -	$ -
2037	29,997,363	1,111,013	28,886,350	29,441,856	4,208,255	4,208,255	$ -		$ -		$ -	$ -
2038	28,886,350	1,111,013	27,775,336	28,330,843	4,091,378	4,091,378	$ -		$ -		$ -	$ -
2039	27,775,336	1,111,013	26,664,323	27,219,829	3,974,501	3,974,501	$ -		$ -		$ -	$ -
2040	26,664,323	1,111,013	25,553,309	26,108,816	3,857,624	3,857,624	$ -		$ -		$ -	$ -
2041	25,553,309	1,111,013	24,442,296	24,997,802	3,740,747	3,740,747	$ -		$ -		$ -	$ -
2042	24,442,296	1,111,013	23,331,282	23,886,789	3,623,870	3,623,870	$ -		$ -		$ -	$ -
2043	23,331,282	1,111,013	22,220,269	22,775,776	3,506,993	3,506,993	$ -		$ -		$ -	$ -
2044	22,220,269	1,111,013	21,109,255	21,664,762	3,390,116	3,390,116	$ -		$ -		$ -	$ -
2045	21,109,255	1,111,013	19,998,242	20,553,749	3,273,239	3,273,239	$ -		$ -		$ -	$ -
2046	19,998,242	1,111,013	18,887,229	19,442,735	3,156,362	3,156,362	$ -		$ -		$ -	$ -
2047	18,887,229	1,111,013	17,776,215	18,331,722	3,039,485	3,039,485	$ -		$ -		$ -	$ -
2048	17,776,215	1,111,013	16,665,202	17,220,708	2,922,607	2,922,607	$ -		$ -		$ -	$ -
2049	16,665,202	1,111,013	15,554,188	16,109,695	2,805,730	2,805,730	$ -		$ -		$ -	$ -
2050	15,554,188	1,111,013	14,443,175	14,998,681	2,688,853	2,688,853	$ -		$ -		$ -	$ -
2051	14,443,175	1,111,013	13,332,161	13,887,668	2,571,976	2,571,976	$ -		$ -		$ -	$ -
2052	13,332,161	1,111,013	12,221,148	12,776,655	2,455,099	2,455,099	$ -		$ -		$ -	$ -
2053	12,221,148	1,111,013	11,110,134	11,665,641	2,338,222	2,338,222	$ -		$ -		$ -	$ -
2054	11,110,134	1,111,013	9,999,121	10,554,628	2,221,345	2,221,345	$ -		$ -		$ -	$ -
2055	9,999,121	1,111,013	8,888,108	9,443,614	2,104,468	2,104,468	$ -		$ -		$ -	$ -
2056	8,888,108	1,111,013	7,777,094	8,332,601	1,987,591	1,987,591	$ -		$ -		$ -	$ -
2057	7,777,094	1,111,013	6,666,081	7,221,587	1,870,714	1,870,714	$ -		$ -		$ -	$ -
2058	6,666,081	1,111,013	5,555,067	6,110,574	1,753,837	1,753,837	$ -		$ -		$ -	$ -
2059	5,555,067	1,111,013	4,444,054	4,999,560	1,636,960	1,636,960	$ -		$ -		$ -	$ -
2060	4,444,054	1,111,013	3,333,040	3,888,547	1,520,083	1,520,083	$ -		$ -		$ -	$ -
2061	3,333,040	1,111,013	2,222,027	2,777,534	1,403,206	1,403,206	$ -		$ -		$ -	$ -
2062	2,222,027	1,111,013	1,111,013	1,666,520	1,286,329	1,286,329	$ -		$ -		$ -	$ -
2063	1,111,013	1,111,013	-	555,507	1,169,452	1,169,452	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		52,217,632			186,801,537	186,801,537	-					

** 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: b1659.13 (Sorenson: Expansion work to establish 765 kV site)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	6,058,461	6,058,461	-
Prior Yr True-Up	6,061,220	6,061,220	-
True-Up Adjustment	2,759	2,759	-

Details

Investment	50,142,658	Current Year	2019
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,066,865

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	50,142,658	-	50,142,658	50,142,658	5,274,936	5,274,936	$ -	$ 4,514,116	$ 760,820	$ 4,514,116	$ 760,820	$ -
2017	50,142,658	1,066,865	49,075,793	49,609,226	6,285,685	6,285,685	$ -	$ 7,261,914	$ (976,229)	$ 7,261,914	$ (976,229)	$ -
2018	49,075,793	1,066,865	48,008,928	48,542,361	6,173,452	6,173,452	$ -	$ 5,720,037	$ 453,415	$ 5,720,037	$ 453,415	$ -
2019	48,008,928	1,066,865	46,942,063	47,475,496	6,061,220	6,061,220	$ -	$ 6,058,461	$ 2,759	$ 6,058,461	$ 2,759	$ -
2020	46,942,063	1,066,865	45,875,198	46,408,631	5,948,987	5,948,987	$ -	$ -	$ -	$ -	$ -	$ -
2021	45,875,198	1,066,865	44,808,333	45,341,766	5,836,754	5,836,754	$ -	$ -	$ -	$ -	$ -	$ -
2022	44,808,333	1,066,865	43,741,468	44,274,901	5,724,522	5,724,522	$ -	$ -	$ -	$ -	$ -	$ -
2023	43,741,468	1,066,865	42,674,603	43,208,035	5,612,289	5,612,289	$ -		$ -		$ -	$ -
2024	42,674,603	1,066,865	41,607,738	42,141,170	5,500,056	5,500,056	$ -		$ -		$ -	$ -
2025	41,607,738	1,066,865	40,540,873	41,074,305	5,387,824	5,387,824	$ -		$ -		$ -	$ -
2026	40,540,873	1,066,865	39,474,008	40,007,440	5,275,591	5,275,591	$ -		$ -		$ -	$ -
2027	39,474,008	1,066,865	38,407,143	38,940,575	5,163,358	5,163,358	$ -		$ -		$ -	$ -
2028	38,407,143	1,066,865	37,340,278	37,873,710	5,051,126	5,051,126	$ -		$ -		$ -	$ -
2029	37,340,278	1,066,865	36,273,412	36,806,845	4,938,893	4,938,893	$ -		$ -		$ -	$ -
2030	36,273,412	1,066,865	35,206,547	35,739,980	4,826,660	4,826,660	$ -		$ -		$ -	$ -
2031	35,206,547	1,066,865	34,139,682	34,673,115	4,714,427	4,714,427	$ -		$ -		$ -	$ -
2032	34,139,682	1,066,865	33,072,817	33,606,250	4,602,195	4,602,195	$ -		$ -		$ -	$ -
2033	33,072,817	1,066,865	32,005,952	32,539,385	4,489,962	4,489,962	$ -		$ -		$ -	$ -
2034	32,005,952	1,066,865	30,939,087	31,472,520	4,377,729	4,377,729	$ -		$ -		$ -	$ -
2035	30,939,087	1,066,865	29,872,222	30,405,655	4,265,497	4,265,497	$ -		$ -		$ -	$ -
2036	29,872,222	1,066,865	28,805,357	29,338,789	4,153,264	4,153,264	$ -		$ -		$ -	$ -
2037	28,805,357	1,066,865	27,738,492	28,271,924	4,041,031	4,041,031	$ -		$ -		$ -	$ -
2038	27,738,492	1,066,865	26,671,627	27,205,059	3,928,799	3,928,799	$ -		$ -		$ -	$ -
2039	26,671,627	1,066,865	25,604,762	26,138,194	3,816,566	3,816,566	$ -		$ -		$ -	$ -
2040	25,604,762	1,066,865	24,537,897	25,071,329	3,704,333	3,704,333	$ -		$ -		$ -	$ -
2041	24,537,897	1,066,865	23,471,032	24,004,464	3,592,101	3,592,101	$ -		$ -		$ -	$ -
2042	23,471,032	1,066,865	22,404,167	22,937,599	3,479,868	3,479,868	$ -		$ -		$ -	$ -
2043	22,404,167	1,066,865	21,337,301	21,870,734	3,367,635	3,367,635	$ -		$ -		$ -	$ -
2044	21,337,301	1,066,865	20,270,436	20,803,869	3,255,403	3,255,403	$ -		$ -		$ -	$ -
2045	20,270,436	1,066,865	19,203,571	19,737,004	3,143,170	3,143,170	$ -		$ -		$ -	$ -
2046	19,203,571	1,066,865	18,136,706	18,670,139	3,030,937	3,030,937	$ -		$ -		$ -	$ -
2047	18,136,706	1,066,865	17,069,841	17,603,274	2,918,704	2,918,704	$ -		$ -		$ -	$ -
2048	17,069,841	1,066,865	16,002,976	16,536,409	2,806,472	2,806,472	$ -		$ -		$ -	$ -
2049	16,002,976	1,066,865	14,936,111	15,469,544	2,694,239	2,694,239	$ -		$ -		$ -	$ -
2050	14,936,111	1,066,865	13,869,246	14,402,678	2,582,006	2,582,006	$ -		$ -		$ -	$ -
2051	13,869,246	1,066,865	12,802,381	13,335,813	2,469,774	2,469,774	$ -		$ -		$ -	$ -
2052	12,802,381	1,066,865	11,735,516	12,268,948	2,357,541	2,357,541	$ -		$ -		$ -	$ -
2053	11,735,516	1,066,865	10,668,651	11,202,083	2,245,308	2,245,308	$ -		$ -		$ -	$ -
2054	10,668,651	1,066,865	9,601,786	10,135,218	2,133,076	2,133,076	$ -		$ -		$ -	$ -
2055	9,601,786	1,066,865	8,534,921	9,068,353	2,020,843	2,020,843	$ -		$ -		$ -	$ -
2056	8,534,921	1,066,865	7,468,056	8,001,488	1,908,610	1,908,610	$ -		$ -		$ -	$ -
2057	7,468,056	1,066,865	6,401,190	6,934,623	1,796,378	1,796,378	$ -		$ -		$ -	$ -
2058	6,401,190	1,066,865	5,334,325	5,867,758	1,684,145	1,684,145	$ -		$ -		$ -	$ -
2059	5,334,325	1,066,865	4,267,460	4,800,893	1,571,912	1,571,912	$ -		$ -		$ -	$ -
2060	4,267,460	1,066,865	3,200,595	3,734,028	1,459,679	1,459,679	$ -		$ -		$ -	$ -
2061	3,200,595	1,066,865	2,133,730	2,667,163	1,347,447	1,347,447	$ -		$ -		$ -	$ -
2062	2,133,730	1,066,865	1,066,865	1,600,298	1,235,214	1,235,214	$ -		$ -		$ -	$ -
2063	1,066,865	1,066,865	-	533,433	1,122,981	1,122,981	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		50,142,658			179,378,600	179,378,600	-					

** 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 (Sorenson: Approx. 14 miles of 765 kV line from existing Dumont-Marysville line)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	7,533,264	7,533,264	-
Prior Yr True-Up	7,540,798	7,540,798	-
True-Up Adjustment	7,534	7,534	-

Details			
Investment	62,382,766	Current Year	2019
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,327,293

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	62,382,766	-	62,382,766	62,382,766	6,562,578	6,562,578	$ -	$ 5,764,647	$ 797,931	$ 5,764,647	$ 797,931	$ -
2017	62,382,766	1,327,293	61,055,473	61,719,120	7,820,057	7,820,057	$ -	$ 7,201,236	$ 618,821	$ 7,201,236	$ 618,821	$ -
2018	61,055,473	1,327,293	59,728,180	60,391,827	7,680,427	7,680,427	$ -	$ 7,115,546	$ 564,881	$ 7,115,546	$ 564,881	$ -
2019	59,728,180	1,327,293	58,400,887	59,064,534	7,540,798	7,540,798	$ -	$ 7,533,264	$ 7,534	$ 7,533,264	$ 7,534	$ -
2020	58,400,887	1,327,293	57,073,594	57,737,241	7,401,169	7,401,169	$ -	$ -	$ -	$ -	$ -	$ -
2021	57,073,594	1,327,293	55,746,302	56,409,948	7,261,539	7,261,539	$ -	$ -	$ -	$ -	$ -	$ -
2022	55,746,302	1,327,293	54,419,009	55,082,655	7,121,910	7,121,910	$ -	$ -	$ -	$ -	$ -	$ -
2023	54,419,009	1,327,293	53,091,716	53,755,362	6,982,281	6,982,281	$ -		$ -		$ -	$ -
2024	53,091,716	1,327,293	51,764,423	52,428,069	6,842,651	6,842,651	$ -		$ -		$ -	$ -
2025	51,764,423	1,327,293	50,437,130	51,100,776	6,703,022	6,703,022	$ -		$ -		$ -	$ -
2026	50,437,130	1,327,293	49,109,837	49,773,484	6,563,393	6,563,393	$ -		$ -		$ -	$ -
2027	49,109,837	1,327,293	47,782,544	48,446,191	6,423,763	6,423,763	$ -		$ -		$ -	$ -
2028	47,782,544	1,327,293	46,455,251	47,118,898	6,284,134	6,284,134	$ -		$ -		$ -	$ -
2029	46,455,251	1,327,293	45,127,958	45,791,605	6,144,505	6,144,505	$ -		$ -		$ -	$ -
2030	45,127,958	1,327,293	43,800,665	44,464,312	6,004,875	6,004,875	$ -		$ -		$ -	$ -
2031	43,800,665	1,327,293	42,473,373	43,137,019	5,865,246	5,865,246	$ -		$ -		$ -	$ -
2032	42,473,373	1,327,293	41,146,080	41,809,726	5,725,617	5,725,617	$ -		$ -		$ -	$ -
2033	41,146,080	1,327,293	39,818,787	40,482,433	5,585,987	5,585,987	$ -		$ -		$ -	$ -
2034	39,818,787	1,327,293	38,491,494	39,155,140	5,446,358	5,446,358	$ -		$ -		$ -	$ -
2035	38,491,494	1,327,293	37,164,201	37,827,847	5,306,729	5,306,729	$ -		$ -		$ -	$ -
2036	37,164,201	1,327,293	35,836,908	36,500,555	5,167,099	5,167,099	$ -		$ -		$ -	$ -
2037	35,836,908	1,327,293	34,509,615	35,173,262	5,027,470	5,027,470	$ -		$ -		$ -	$ -
2038	34,509,615	1,327,293	33,182,322	33,845,969	4,887,841	4,887,841	$ -		$ -		$ -	$ -
2039	33,182,322	1,327,293	31,855,029	32,518,676	4,748,211	4,748,211	$ -		$ -		$ -	$ -
2040	31,855,029	1,327,293	30,527,737	31,191,383	4,608,582	4,608,582	$ -		$ -		$ -	$ -
2041	30,527,737	1,327,293	29,200,444	29,864,090	4,468,953	4,468,953	$ -		$ -		$ -	$ -
2042	29,200,444	1,327,293	27,873,151	28,536,797	4,329,323	4,329,323	$ -		$ -		$ -	$ -
2043	27,873,151	1,327,293	26,545,858	27,209,504	4,189,694	4,189,694	$ -		$ -		$ -	$ -
2044	26,545,858	1,327,293	25,218,565	25,882,211	4,050,065	4,050,065	$ -		$ -		$ -	$ -
2045	25,218,565	1,327,293	23,891,272	24,554,919	3,910,435	3,910,435	$ -		$ -		$ -	$ -
2046	23,891,272	1,327,293	22,563,979	23,227,626	3,770,806	3,770,806	$ -		$ -		$ -	$ -
2047	22,563,979	1,327,293	21,236,686	21,900,333	3,631,177	3,631,177	$ -		$ -		$ -	$ -
2048	21,236,686	1,327,293	19,909,393	20,573,040	3,491,547	3,491,547	$ -		$ -		$ -	$ -
2049	19,909,393	1,327,293	18,582,101	19,245,747	3,351,918	3,351,918	$ -		$ -		$ -	$ -
2050	18,582,101	1,327,293	17,254,808	17,918,454	3,212,289	3,212,289	$ -		$ -		$ -	$ -
2051	17,254,808	1,327,293	15,927,515	16,591,161	3,072,659	3,072,659	$ -		$ -		$ -	$ -
2052	15,927,515	1,327,293	14,600,222	15,263,868	2,933,030	2,933,030	$ -		$ -		$ -	$ -
2053	14,600,222	1,327,293	13,272,929	13,936,575	2,793,401	2,793,401	$ -		$ -		$ -	$ -
2054	13,272,929	1,327,293	11,945,636	12,609,282	2,653,771	2,653,771	$ -		$ -		$ -	$ -
2055	11,945,636	1,327,293	10,618,343	11,281,990	2,514,142	2,514,142	$ -		$ -		$ -	$ -
2056	10,618,343	1,327,293	9,291,050	9,954,697	2,374,513	2,374,513	$ -		$ -		$ -	$ -
2057	9,291,050	1,327,293	7,963,757	8,627,404	2,234,884	2,234,884	$ -		$ -		$ -	$ -
2058	7,963,757	1,327,293	6,636,464	7,300,111	2,095,254	2,095,254	$ -		$ -		$ -	$ -
2059	6,636,464	1,327,293	5,309,172	5,972,818	1,955,625	1,955,625	$ -		$ -		$ -	$ -
2060	5,309,172	1,327,293	3,981,879	4,645,525	1,815,996	1,815,996	$ -		$ -		$ -	$ -
2061	3,981,879	1,327,293	2,654,586	3,318,232	1,676,366	1,676,366	$ -		$ -		$ -	$ -
2062	2,654,586	1,327,293	1,327,293	1,990,939	1,536,737	1,536,737	$ -		$ -		$ -	$ -
2063	1,327,293	1,327,293	0	663,646	1,397,108	1,397,108	$ -		$ -		$ -	$ -
2064	0	0	-	0	0	0	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		62,382,766			223,165,934	223,165,934	-					

** 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: b1465.1 (Add a 3rd 2250 MVA 765/345 kV transformer at Sullivan station)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	3,932,147	3,932,147	-
Prior Yr True-Up	3,959,986	3,959,986	-
True-Up Adjustment	27,839	27,839	-

Details

Investment	32,360,310	Current Year	2019
Service Year (yyyy)	2017	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	8	FCR w/o incentives, less depreciation	10.52%
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%
CIAC (Yes or No)	No	Annual Depreciation Expense	688,517

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 **
2017	32,360,310	229,506	32,130,804	32,245,557	3,621,692	3,621,692	$ -	$ 3,283,917	$ 337,775	$ 3,283,917	$ 337,775	$ -
2018	32,130,804	688,517	31,442,287	31,786,545	4,032,417	4,032,417	$ -	$ 3,670,194	$ 362,223	$ 3,670,194	$ 362,223	$ -
2019	31,442,287	688,517	30,753,770	31,098,028	3,959,986	3,959,986	$ -	$ 3,932,147	$ 27,839	$ 3,932,147	$ 27,839	$ -
2020	30,753,770	688,517	30,065,252	30,409,511	3,887,555	3,887,555	$ -	$ -	$ -	$ -	$ -	$ -
2021	30,065,252	688,517	29,376,735	29,720,994	3,815,124	3,815,124	$ -	$ -	$ -	$ -	$ -	$ -
2022	29,376,735	688,517	28,688,218	29,032,477	3,742,692	3,742,692	$ -	$ -	$ -	$ -	$ -	$ -
2023	28,688,218	688,517	27,999,701	28,343,959	3,670,261	3,670,261	$ -	$ -	$ -	$ -	$ -	$ -
2024	27,999,701	688,517	27,311,183	27,655,442	3,597,830	3,597,830	$ -		$ -		$ -	$ -
2025	27,311,183	688,517	26,622,666	26,966,925	3,525,399	3,525,399	$ -		$ -		$ -	$ -
2026	26,622,666	688,517	25,934,149	26,278,408	3,452,968	3,452,968	$ -		$ -		$ -	$ -
2027	25,934,149	688,517	25,245,632	25,589,890	3,380,537	3,380,537	$ -		$ -		$ -	$ -
2028	25,245,632	688,517	24,557,115	24,901,373	3,308,106	3,308,106	$ -		$ -		$ -	$ -
2029	24,557,115	688,517	23,868,597	24,212,856	3,235,675	3,235,675	$ -		$ -		$ -	$ -
2030	23,868,597	688,517	23,180,080	23,524,339	3,163,244	3,163,244	$ -		$ -		$ -	$ -
2031	23,180,080	688,517	22,491,563	22,835,821	3,090,813	3,090,813	$ -		$ -		$ -	$ -
2032	22,491,563	688,517	21,803,046	22,147,304	3,018,382	3,018,382	$ -		$ -		$ -	$ -
2033	21,803,046	688,517	21,114,528	21,458,787	2,945,951	2,945,951	$ -		$ -		$ -	$ -
2034	21,114,528	688,517	20,426,011	20,770,270	2,873,520	2,873,520	$ -		$ -		$ -	$ -
2035	20,426,011	688,517	19,737,494	20,081,753	2,801,089	2,801,089	$ -		$ -		$ -	$ -
2036	19,737,494	688,517	19,048,977	19,393,235	2,728,658	2,728,658	$ -		$ -		$ -	$ -
2037	19,048,977	688,517	18,360,459	18,704,718	2,656,227	2,656,227	$ -		$ -		$ -	$ -
2038	18,360,459	688,517	17,671,942	18,016,201	2,583,796	2,583,796	$ -		$ -		$ -	$ -
2039	17,671,942	688,517	16,983,425	17,327,684	2,511,365	2,511,365	$ -		$ -		$ -	$ -
2040	16,983,425	688,517	16,294,908	16,639,166	2,438,934	2,438,934	$ -		$ -		$ -	$ -
2041	16,294,908	688,517	15,606,391	15,950,649	2,366,503	2,366,503	$ -		$ -		$ -	$ -
2042	15,606,391	688,517	14,917,873	15,262,132	2,294,072	2,294,072	$ -		$ -		$ -	$ -
2043	14,917,873	688,517	14,229,356	14,573,615	2,221,641	2,221,641	$ -		$ -		$ -	$ -
2044	14,229,356	688,517	13,540,839	13,885,097	2,149,210	2,149,210	$ -		$ -		$ -	$ -
2045	13,540,839	688,517	12,852,322	13,196,580	2,076,779	2,076,779	$ -		$ -		$ -	$ -
2046	12,852,322	688,517	12,163,804	12,508,063	2,004,348	2,004,348	$ -		$ -		$ -	$ -
2047	12,163,804	688,517	11,475,287	11,819,546	1,931,917	1,931,917	$ -		$ -		$ -	$ -
2048	11,475,287	688,517	10,786,770	11,131,029	1,859,486	1,859,486	$ -		$ -		$ -	$ -
2049	10,786,770	688,517	10,098,253	10,442,511	1,787,055	1,787,055	$ -		$ -		$ -	$ -
2050	10,098,253	688,517	9,409,735	9,753,994	1,714,624	1,714,624	$ -		$ -		$ -	$ -
2051	9,409,735	688,517	8,721,218	9,065,477	1,642,193	1,642,193	$ -		$ -		$ -	$ -
2052	8,721,218	688,517	8,032,701	8,376,960	1,569,761	1,569,761	$ -		$ -		$ -	$ -
2053	8,032,701	688,517	7,344,184	7,688,442	1,497,330	1,497,330	$ -		$ -		$ -	$ -
2054	7,344,184	688,517	6,655,667	6,999,925	1,424,899	1,424,899	$ -		$ -		$ -	$ -
2055	6,655,667	688,517	5,967,149	6,311,408	1,352,468	1,352,468	$ -		$ -		$ -	$ -
2056	5,967,149	688,517	5,278,632	5,622,891	1,280,037	1,280,037	$ -		$ -		$ -	$ -
2057	5,278,632	688,517	4,590,115	4,934,373	1,207,606	1,207,606	$ -		$ -		$ -	$ -
2058	4,590,115	688,517	3,901,598	4,245,856	1,135,175	1,135,175	$ -		$ -		$ -	$ -
2059	3,901,598	688,517	3,213,080	3,557,339	1,062,744	1,062,744	$ -		$ -		$ -	$ -
2060	3,213,080	688,517	2,524,563	2,868,822	990,313	990,313	$ -		$ -		$ -	$ -
2061	2,524,563	688,517	1,836,046	2,180,305	917,882	917,882	$ -		$ -		$ -	$ -
2062	1,836,046	688,517	1,147,529	1,491,787	845,451	845,451	$ -		$ -		$ -	$ -
2063	1,147,529	688,517	459,011	803,270	773,020	773,020	$ -		$ -		$ -	$ -
2064	459,011	459,011	-	229,506	483,155	483,155	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2076	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		32,360,310			114,629,892	114,629,892	-					

** 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 (Switching Improvements at Sullivan Jefferson 765kV stations)

2019	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	1,008,642	1,008,642	-
Prior Yr True-Up	1,007,700	1,007,700	-
True-Up Adjustment	(942)	(942)	-

Details

Investment	8,427,428	Current Year	2019	
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-	
Service Month (1-12)	5	FCR w/o incentives, less depreciation	10.52%	
Useful life	47	FCR w/incentives approved for these facilities, less dep.	10.52%	
CIAC (Yes or No)	No	Annual Depreciation Expense	179,307	

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	8,427,428	104,596	8,322,832	8,375,130	985,648	985,648	$ -	$ -	$ -	$ -	$ -	$ -
2017	8,322,832	179,307	8,143,525	8,233,179	1,045,426	1,045,426	$ -	$ -	$ -	$ -	$ -	$ -
2018	8,143,525	179,307	7,964,218	8,053,872	1,026,563	1,026,563	$ -	$ -	$ -	$ -	$ -	$ -
2019	7,964,218	179,307	7,784,911	7,874,565	1,007,700	1,007,700	$ -	$ 1,008,642	$ (942)	$ 1,008,642	$ (942)	$ -
2020	7,784,911	179,307	7,605,604	7,695,258	988,837	988,837	$ -	$ -	$ -	$ -	$ -	$ -
2021	7,605,604	179,307	7,426,297	7,515,951	969,974	969,974	$ -	$ -	$ -	$ -	$ -	$ -
2022	7,426,297	179,307	7,246,990	7,336,644	951,111	951,111	$ -	$ -	$ -	$ -	$ -	$ -
2023	7,246,990	179,307	7,067,683	7,157,337	932,249	932,249	$ -		$ -		$ -	$ -
2024	7,067,683	179,307	6,888,376	6,978,030	913,386	913,386	$ -		$ -		$ -	$ -
2025	6,888,376	179,307	6,709,069	6,798,723	894,523	894,523	$ -		$ -		$ -	$ -
2026	6,709,069	179,307	6,529,762	6,619,416	875,660	875,660	$ -		$ -		$ -	$ -
2027	6,529,762	179,307	6,350,455	6,440,109	856,797	856,797	$ -		$ -		$ -	$ -
2028	6,350,455	179,307	6,171,149	6,260,802	837,934	837,934	$ -		$ -		$ -	$ -
2029	6,171,149	179,307	5,991,842	6,081,495	819,072	819,072	$ -		$ -		$ -	$ -
2030	5,991,842	179,307	5,812,535	5,902,188	800,209	800,209	$ -		$ -		$ -	$ -
2031	5,812,535	179,307	5,633,228	5,722,881	781,346	781,346	$ -		$ -		$ -	$ -
2032	5,633,228	179,307	5,453,921	5,543,574	762,483	762,483	$ -		$ -		$ -	$ -
2033	5,453,921	179,307	5,274,614	5,364,267	743,620	743,620	$ -		$ -		$ -	$ -
2034	5,274,614	179,307	5,095,307	5,184,960	724,757	724,757	$ -		$ -		$ -	$ -
2035	5,095,307	179,307	4,916,000	5,005,653	705,895	705,895	$ -		$ -		$ -	$ -
2036	4,916,000	179,307	4,736,693	4,826,346	687,032	687,032	$ -		$ -		$ -	$ -
2037	4,736,693	179,307	4,557,386	4,647,039	668,169	668,169	$ -		$ -		$ -	$ -
2038	4,557,386	179,307	4,378,079	4,467,732	649,306	649,306	$ -		$ -		$ -	$ -
2039	4,378,079	179,307	4,198,772	4,288,425	630,443	630,443	$ -		$ -		$ -	$ -
2040	4,198,772	179,307	4,019,465	4,109,118	611,580	611,580	$ -		$ -		$ -	$ -
2041	4,019,465	179,307	3,840,158	3,929,811	592,718	592,718	$ -		$ -		$ -	$ -
2042	3,840,158	179,307	3,660,851	3,750,504	573,855	573,855	$ -		$ -		$ -	$ -
2043	3,660,851	179,307	3,481,544	3,571,197	554,992	554,992	$ -		$ -		$ -	$ -
2044	3,481,544	179,307	3,302,237	3,391,890	536,129	536,129	$ -		$ -		$ -	$ -
2045	3,302,237	179,307	3,122,930	3,212,583	517,266	517,266	$ -		$ -		$ -	$ -
2046	3,122,930	179,307	2,943,623	3,033,276	498,403	498,403	$ -		$ -		$ -	$ -
2047	2,943,623	179,307	2,764,316	2,853,969	479,541	479,541	$ -		$ -		$ -	$ -
2048	2,764,316	179,307	2,585,009	2,674,662	460,678	460,678	$ -		$ -		$ -	$ -
2049	2,585,009	179,307	2,405,702	2,495,355	441,815	441,815	$ -		$ -		$ -	$ -
2050	2,405,702	179,307	2,226,395	2,316,048	422,952	422,952	$ -		$ -		$ -	$ -
2051	2,226,395	179,307	2,047,088	2,136,741	404,089	404,089	$ -		$ -		$ -	$ -
2052	2,047,088	179,307	1,867,781	1,957,435	385,226	385,226	$ -		$ -		$ -	$ -
2053	1,867,781	179,307	1,688,474	1,778,128	366,363	366,363	$ -		$ -		$ -	$ -
2054	1,688,474	179,307	1,509,167	1,598,821	347,501	347,501	$ -		$ -		$ -	$ -
2055	1,509,167	179,307	1,329,860	1,419,514	328,638	328,638	$ -		$ -		$ -	$ -
2056	1,329,860	179,307	1,150,553	1,240,207	309,775	309,775	$ -		$ -		$ -	$ -
2057	1,150,553	179,307	971,246	1,060,900	290,912	290,912	$ -		$ -		$ -	$ -
2058	971,246	179,307	791,939	881,593	272,049	272,049	$ -		$ -		$ -	$ -
2059	791,939	179,307	612,632	702,286	253,186	253,186	$ -		$ -		$ -	$ -
2060	612,632	179,307	433,325	522,979	234,324	234,324	$ -		$ -		$ -	$ -
2061	433,325	179,307	254,018	343,672	215,461	215,461	$ -		$ -		$ -	$ -
2062	254,018	179,307	74,711	164,365	196,598	196,598	$ -		$ -		$ -	$ -
2063	74,711	74,711	-	37,356	78,641	78,641	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		8,427,428			29,630,831	29,630,831	-					

** 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.

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

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital
AEP Indiana Michigan Transmission Company

		Average Balance of Common Equity				
Line No	Month (a)	Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	973,068,651	-	-	-	973,068,651
2	January	988,197,712				988,197,712
3	February	1,001,069,110				1,001,069,110
4	March	1,001,098,531				1,001,098,531
5	April	1,011,999,200				1,011,999,200
6	May	1,027,078,731				1,027,078,731
7	June	1,042,431,583				1,042,431,583
8	July	1,057,827,338				1,057,827,338
9	August	1,067,759,392				1,067,759,392
10	September	1,077,654,691				1,077,654,691
11	October	1,087,649,616				1,087,649,616
12	November	1,098,208,315				1,098,208,315
13	December of Rate Year	1,106,623,065				1,106,623,065
14	Average of the 13 Monthly Balances	1,041,589,687	-	-	-	1,041,589,687

		Average Balance of Long Term Debt					
Line No	Month (a)	Bonds (b)	Less: Reacquired Bonds (c)	Acct 223 LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
	(Note A)	(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year			777,550,000			777,550,000
16	January			777,550,000			777,550,000
17	February			777,550,000			777,550,000
18	March			777,550,000			777,550,000
19	April			777,550,000			777,550,000
20	May			777,550,000			777,550,000
21	June			885,550,000			885,550,000
22	July			885,550,000			885,550,000
23	August			885,550,000			885,550,000
24	September			940,550,000			940,550,000
25	October			940,550,000			940,550,000
26	November			918,950,000			918,950,000
27	December of Rate Year			918,950,000			918,950,000
28	Average of the 13 Monthly Balances	-	-	849,303,846	-	-	849,303,846

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

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital
AEP Indiana Michigan Transmission Company

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	**Annual Interest Expense for 2019**						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			32,356,029			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 43 below.			-			
32	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			533,471			
33	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)						
34	Less: Amort of Premium on Debt - Acct 429 (117.65.c)			30,860			
35	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)						
36	**Total Interest Expense (Ln 30 - 31 + 32 + 33 - 34 - 35)**			**32,858,640**			
37	**Average Cost of Debt for 2019 (Ln 36/ ln 28 (g))**			**3.87%**			

CALCULATION OF HEDGE GAINS/LOSSES TO BE EXCLUDED FROM TCOS

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

				Amortization Period	
	HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	**(Amortization of (Gain)/Loss for 2019**	**Remaining Unamortized Balance**	**Beginning**	**Ending**
39					
40					
41					
42					
43	**Net (Gain)/Loss Hedge Amortization To Be Removed**	-	-	-	-

Development of Cost of Preferred Stock

44	Balance of Preferred Stock (Line 14 (c))	-
45	Dividends on Preferred Stock (Acct 437, FF1 118.29))	
46	Average Cost of Preferred Stock (Ln 45 / ln 44)	#DIV/0!

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet N - Gains (Losses) on Sales of Plant Held For Future Use
AEP Indiana Michigan Transmission Company

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

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

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Calculation of Post-employment Benefits Other than Pensions Expenses Allocable to Transmission Service
Worksheet O - PBOP Support
AEP Indiana Michigan Transmission Company

PBOP	(A)		(B)
1	**Calculation of PBOP Expenses**		
2	**AEP System PBOP Rate**		
3	Total AEP System PBOP expenses		-$80,135,777
4	Base Year relating to retired personnel		$0
5	Amount allocated on Labor		-$80,135,777
6	Total AEP System Direct Labor Expense		$1,454,108,109
7	AEP System PBOP expense per dollar of direct labor (PBOP Rate)		-$0.055
8	Currently Approved PBOP Rate		-$0.043
9	Base PBOP TransCo labor expensed in current year		7,685,243
10	Allowable TransCo PBOP Expense for current year (Ln 8 * Ln 9)		-$330,465
11	Direct PBOP Expense per Actuarial Report		$0
12	Additional PBOP Ledger Entry (From Company Records)		$0
13	Medicare Credit		$0
14	PBOP Expenses From AEP Affiliates (From Company Records)		-$719,454
15	Actual PBOP Expense	(Sum Lines 11-14)	-$719,454
16	PBOP Adjustment	Line 10 less Line 15	$388,989

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

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

AEPTCo subsidiaries in PJM

Worksheet - P

DEPRECIATION RATES

FOR TRANSMISSION PLANT PROPERTY ACCOUNTS

EFFECTIVE AS OF July 1, 2018

AEP Indiana Michigan Transmission Company

	PLANT ACCT.	**RATES** Note 1
TRANSMISSION PLANT		
Land Rights	350.1	1.48%
Structures & Improvements	352.0	1.55%
Station Equipment	353.0	1.86%
Towers & Fixtures	354.0	1.69%
Poles & Fixtures	355.0	2.85%
Overhead Conductor	356.0	1.97%
Underground Conduit	357.0	1.86%
Underground Conductors	358.0	1.70%

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

Composite Depreciation Rate	I & M	TOTAL
T-Plant (FF1 206.58.g)	1,153,823,876	1,153,823,876
T-Plant (FF1 206.58.b)	1,115,559,969	1,115,559,969
Average (Ln 1+ Ln 2)/2	1,134,691,923	1,134,691,923
Depreciation (FF1 336.7.f)	16,178,988	16,178,988
Composite Depreciation (Ln 3 / Ln 4)		**1.43%**

Note: AEP INDIANA MICHIGAN TRANSMISSION COMPANY shall initially use the composite depreciation rate FOR INDIANA AND MICHIGAN shown above to estimate depreciation expense for transmission projects in Worksheets J and K until a composite depreciation rate based on transmission plant in service and depreciation expenses reocrded by AEP INDIANA MICHIGAN TRANSMISSION COMPANY for its own transmission facilities can be calculated in AEP INDIANA MICHIGAN TRANSMISSION COMPANY's the first Annual Update including a True-up TCOS.

AEP East Consolidated Utility Capital Structure
Consolidation of Operating Companies' Capital Structure @ December 31, 2019
Worksheet Q Page 1

Line		Appalachian Power Company	Indiana Michigan Power Company	Kentucky Power Company	Kingsport Power Company	Ohio Power Company	Wheeling Power Company	AEP East Operating Companies' Consolidated Capital Structure
Development of Long Term Debt Balances at Year End								
1	Bonds (112.18.c&d)							-
2	Less: Reacquired Bonds (112.19.c&d)							-
3	LT Advances from Assoc. Companies (112.20.c&d)							-
4	Senior Unsecured Notes (112.21.c&d) Excludes Spent Nuc Fuel Disp Fund							-
5	Less: Fair Value Hedges (See Note on Ln 7 below)							-
6	**Total Long Term Debt Balance**	-	-	-	-	-	-	-
7	NOTE: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (page 257, Column H of the FF1)							
Development of Long Term Debt Interest Expense								
8	Interest on Long Term Debt (256-257.33.i)							-
9	Amort of Debt Discount & Expense (117.63.c)							-
10	Amort of Loss on Reacquired Debt (117.64.c)							-
11	Less: Amort of Premium on Debt (117.65.c)							-
12	Less: Amort of Gain on Reacquired Debt (117.66.c)							-
13	Less: Hedge Interest on pp 256-257(i)							-
14	**LTD Interest Expense**	-	-	-	-	-	-	-
Development of Cost of Preferred Stock and Preferred Dividends								
15	Dividend Rate (p. 250-251. 7.a)							
16	Par Value (p. 250-251. 8.c)							
17	Shares Outstanding (p.250-251. 8.e)							
18	Monetary Value (Ln 16 * Ln 17)	-	-	-	-	-	-	-
19	Dividend Amount (Ln 15 * Ln 18)	-	-	-	-	-	-	-
20	Dividend Rate (p. 250-251. 7.a)							
21	Par Value (p. 250-251. 8.c)							
22	Shares Outstanding (p.250-251. 8.e)							
23	Monetary Value (Ln 21 * Ln 22)	-	-	-	-	-	-	-
24	Dividend Amount (Ln 20 * Ln 23)	-	-	-	-	-	-	-
25	Dividend Rate (p. 250-251. 7.a)							
26	Par Value (p. 250-251. 8.c)							
27	Shares Outstanding (p.250-251. 8.e)							
28	Monetary Value (Ln 26 * Ln 27)	-	-	-	-	-	-	-
29	Dividend Amount (Ln 25 * Ln 28)	-	-	-	-	-	-	-
30	Dividend Rate (p. 250-251. 7.a)							
31	Par Value (p. 250-251. 8.c)							
32	Shares Outstanding (p.250-251. 8.e)							
33	Monetary Value (Ln 31 * Ln 32)	-	-	-	-	-	-	-
34	Dividend Amount (Ln 30 * Ln 33)	-	-	-	-	-	-	-
35	**Preferred Stock (Lns 18, 23, 28,33)**	-	-	-	-	-	-	-
36	**Preferred Dividends (Lns 19, 24, 29,34)**	-	-	-	-	-	-	-
Development of Common Equity								
37	Proprietary Capital (112.16.c)							-
38	Less: Preferred Stock (Ln 35 Above)	-	-	-	-	-	-	-
39	Less: Account 216.1 (112.12.c)							-
40	Less: Account 219.1 (112.15.c)							-
41	**Balance of Common Equity**	-	-	-	-	-	-	-
Calculation of Capital Shares								
42	Long Term Debt (Ln 6 Above)	-	-	-	-	-	-	-
43	Preferred Stock (Ln 35 Above)	-	-	-	-	-	-	-
44	Common Equity (Ln 41 Above)	-	-	-	-	-	-	-
45	Total Company Structure	-	-	-	-	-	-	-
46	LTD Capital Shares (Ln 42 / Ln 45)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	Preferred Stock Capital Shares (Ln 43 / Ln 45)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
48	Common Equity Capital Shares (Ln 44 / Ln 45)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
49	**Reserved**							
50	**Reserved**							
51	**Reserved**							
52	**Reserved**							
Calculation of Capital Cost Rate								
53	LTD Capital Cost Rate (Ln 14 / Ln 6)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54	Preferred Stock Capital Cost Rate (Ln 36 / Ln 35)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
55	Common Equity Capital Cost Rate	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%
Calculation of Weighted Capital Cost Rate								
56	LTD Weighted Capital Cost Rate (Ln 46 * Ln 53)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
57	Preferred Stock Capital Cost Rate (Ln 47 * Ln 54)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
58	Common Equity Capital Cost Rate (Ln 48 * Ln 55)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
59	**Total Company Structure**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

AEP East Consolidated Utility Capital Structure
Consolidation of Operating Companies' Capital Structure @ December 31, 2018
Worksheet Q Page 2

Line		Appalachian Power Company	Indiana Michigan Power Company	Kentucky Power Company	Kingsport Power Company	Ohio Power Company	Wheeling Power Company	AEP East Operating Companies' Consolidated Capital Structure
Development of Long Term Debt Balances at Year End								
60	Bonds (112.18.c&d)							-
61	Less: Reacquired Bonds (112.19.c&d)							-
62	LT Advances from Assoc. Companies (112.20.c&d)							-
63	Senior Unsecured Notes (112.21.c&d) Excludes Spent Nuc Fuel Disp Fund							-
64	Less: Fair Value Hedges (See Note on Ln 66 below)							-
65	**Total Long Term Debt Balance**	-	-	-	-	-	-	-
66	NOTE: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (p. 257, Column H of the FF1)							
Development of Long Term Debt Interest Expense								
67	Interest on Long Term Debt (256-257.33.i)							-
68	Amort of Debt Discount & Expense (117.63.c)							-
69	Amort of Loss on Reacquired Debt (117.64.c)							-
70	Less: Amort of Premium on Debt (117.65.c)							-
71	Less: Amort of Gain on Reacquired Debt (117.66.c)							-
72	Less: Hedge Interest on pp 256-257(i)							-
73	**LTD Interest Expense**	-	-	-	-	-	-	-
Development of Cost of Preferred Stock and Preferred Dividends								
74	Dividend Rate (p. 250-251. 7.a)							
75	Par Value (p. 250-251. 8.c)							
76	Shares Outstanding (p.250-251. 8.e)							
77	Monetary Value (Ln 75 * Ln 76)	-	-	-	-	-	-	-
78	Dividend Amount (Ln 74 * Ln 77)	-	-	-	-	-	-	-
79	Dividend Rate (p. 250-251. 7.a)							
80	Par Value (p. 250-251. 8.c)							
81	Shares Outstanding (p.250-251. 8.e)							
82	Monetary Value (Ln 80 * Ln 81)	-	-	-	-	-	-	-
83	Dividend Amount (Ln 79 * Ln 82)	-	-	-	-	-	-	-
84	Dividend Rate (p. 250-251. 7.a)							
85	Par Value (p. 250-251. 8.c)							
86	Shares Outstanding (p.250-251. 8.e)							
87	Monetary Value (Ln 85 * Ln 86)	-	-	-	-	-	-	-
88	Dividend Amount (Ln 84 * Ln 87)	-	-	-	-	-	-	-
89	Dividend Rate (p. 250-251. 7.a)							
90	Par Value (p. 250-251. 8.c)							
91	Shares Outstanding (p.250-251. 8.e)							
92	Monetary Value (Ln 90 * Ln 91)	-	-	-	-	-	-	-
93	Dividend Amount (Ln 89 * Ln 92)	-	-	-	-	-	-	-
94	**Preferred Stock (Lns 77, 82, 87,92)**	-	-	-	-	-	-	-
95	**Preferred Dividends (Lns 78, 83, 88,93)**	-	-	-	-	-	-	-
Development of Common Equity								
96	Proprietary Capital (112.16.c)							-
97	Less: Preferred Stock (Ln 94 Above)	-	-	-	-	-	-	-
98	Less: Account 216.1 (112.12.c)							-
99	Less: Account 219.1 (112.15.c)							-
100	**Balance of Common Equity**	-	-	-	-	-	-	-
Calculation of Capital Shares								
101	Long Term Debt (Ln 65 Above)	-	-	-	-	-	-	-
102	Preferred Stock (Ln 94 Above)	-	-	-	-	-	-	-
103	Common Equity (Ln 100 Above)	-	-	-	-	-	-	-
104	Total Company Structure	-	-	-	-	-	-	-
105	LTD Capital Shares (Ln 101 / Ln 104)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
106	Preferred Stock Capital Shares (Ln 102 / Ln 104)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
107	Common Equity Capital Shares (Ln 103 / Ln 104)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
108	**Reserved**							
109	**Reserved**							
110	**Reserved**							
111	**Reserved**							
Calculation of Capital Cost Rate								
112	LTD Capital Cost Rate (Ln 73 / Ln 65)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
113	Preferred Stock Capital Cost Rate (Ln 95 / Ln 94)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
114	Common Equity Capital Cost Rate	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%
Calculation of Weighted Capital Cost Rate								
115	LTD Weighted Capital Cost Rate (Ln 105 * Ln 112)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
116	Preferred Stock Capital Cost Rate (Ln 106 * Ln 113)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
117	Common Equity Capital Cost Rate (Ln 107 * Ln 114)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
118	**Total Company Structure**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

AEP East Consolidated Utility Capital Structure
Consolidation of Operating Companies' Average Capital Structure
Worksheet Q Page 3

Line		Appalachian Power Company	Indiana Michigan Power Company	Kentucky Power Company	Kingsport Power Company	Ohio Power Company	Wheeling Power Company	AEP East Operating Companies' Consolidated Capital Structure
	Development of Average Long Term Debt							
119	Average Bonds (Ln 1 + Ln 60) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
120	Less: Average Reacquired Bonds (Ln 2 + Ln 61) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
121	Average LT Advances from Assoc. Companies (Ln 3 + Ln 62) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
122	Average Senior Unsecured Notes (Ln 4 + Ln 63) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
123	Less: Average Fair Value Hedges (See Note on Ln 125 below)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
124	**Average Balance of Long Term Debt**	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
125	NOTE: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (p. 257, Column H of the FF1)							
	Development of Long Term Debt Interest Expense							
126	Interest on Long Term Debt (256-257.33.i)	-	-	-	-	-	-	-
127	Amort of Debt Discount & Expense (117.63.c)	-	-	-	-	-	-	-
128	Amort of Loss on Reacquired Debt (117.64.c)	-	-	-	-	-	-	-
129	Less: Amort of Premium on Debt (117.65.c)	-	-	-	-	-	-	-
130	Less: Amort of Gain on Reacquired Debt (117.66.c)	-	-	-	-	-	-	-
131	Less: Hedge Interest on pp 256-257(i)	-	-	-	-	-	-	-
132	**LTD Interest Expense**	-	-	-	-	-	-	-
	Cost of Preferred Stock and Preferred Dividends							
133	Average Balance of Preferred Stock (Ln 35 + Ln 94) / 2	-	-	-	-	-	-	-
134	Preferred Dividends (Ln 36)	-	-	-	-	-	-	-
	Development of Average Common Equity							
135	Average Proprietary Capital (Ln 37 + Ln 96) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
136	Less: Average Preferred Stock (Ln 133 Above)	-	-	-	-	-	-	-
137	Less: Average Account 216.1 (Ln 39 + Ln 98) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
138	Less: Average Account 219.1 (Ln 40 + Ln 99) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
139	**Average Balance of Common Equity**	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Calculation of Capital Shares							
140	Average Balance of Long Term Debt (Ln 124 Above)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
141	Average Balance of Preferred Stock (Ln 133 Above)	-	-	-	-	-	-	-
142	Average Balance of Common Equity (Ln 139 Above)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
143	Average of Total Company Structure	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
144	Average Balance of LTD Capital Shares (Ln 140 / Ln 143)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
145	Average Balance of Preferred Stock Capital Shares (Ln 141 / Ln 143)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
146	Average Balance of Common Equity Capital Shares (Ln 142 / Ln 143)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
147	**Reserved**							
148	**Reserved**							
149	**Reserved**							
150	**Reserved**							
	Calculation of Capital Cost Rate							
151	LTD Capital Cost Rate (Ln 132 / Ln 124)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
152	Preferred Stock Capital Cost Rate (Ln 134 / Ln 133)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
153	Common Equity Capital Cost Rate	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%
	Calculation of Weighted Capital Cost Rate							
154	LTD Weighted Capital Cost Rate (Ln 144 * Ln 151)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
155	Preferred Stock Capital Cost Rate (Ln 145 * Ln 152)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
156	Common Equity Capital Cost Rate (Ln 146 * Ln 153)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
157	**ACTUAL WEIGHTED AVG COST OF CAPITAL**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

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

Reconciliation Revenue Requirement For Year 2017 Available May 25, 2018		2017 Forecasted Revenue Requirement For Year 2017		True-up Adjustment - Over (Under) Recovery
$0	-	$0	=	$0

Interest Rate on Amount of Refunds or Surcharges (Note 1)		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
			0.3420%				

An over or under collection will be recovered prorata over 2017, held for 2018 and returned prorate over 2019

Calculation of Interest					Monthly		
January	Year 2017	-	0.3420%	12	-		-
February	Year 2017	-	0.3420%	11	-		-
March	Year 2017	-	0.3420%	10	-		-
April	Year 2017	-	0.3420%	9	-		-
May	Year 2017	-	0.3420%	8	-		-
June	Year 2017	-	0.3420%	7	-		-
July	Year 2017	-	0.3420%	6	-		-
August	Year 2017	-	0.3420%	5	-		-
September	Year 2017	-	0.3420%	4	-		-
October	Year 2017	-	0.3420%	3	-		-
November	Year 2017	-	0.3420%	2	-		-
December	Year 2017	-	0.3420%	1	-		-
					-		-
					Annual		
January through December	Year 2018	-	0.3420%	12	-		-
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					Monthly		
January	Year 2019	-	0.3420%		-	-	-
February	Year 2019	-	0.3420%		-	-	-
March	Year 2019	-	0.3420%		-	-	-
April	Year 2019	-	0.3420%		-	-	-
May	Year 2019	-	0.3420%		-	-	-
June	Year 2019	-	0.3420%		-	-	-
July	Year 2019	-	0.3420%		-	-	-
August	Year 2019	-	0.3420%		-	-	-
September	Year 2019	-	0.3420%		-	-	-
October	Year 2019	-	0.3420%		-	-	-
November	Year 2019	-	0.3420%		-	-	-
December	Year 2019	-	0.3420%		-	-	-
					-		

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 year.

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

Reconciliation Revenue Requirement For Year 2017 Available May 25, 2018		2017 Forecasted Revenue Requirement For Year 2017		True-up Adjustment - Over (Under) Recovery
$0	-	$0	=	$0

Interest Rate on Amount of Refunds or Surcharges (Note 1)		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
			0.3420%				

An over or under collection will be recovered prorata over 2017, held for 2018 and returned prorate over 2019

Calculation of Interest					Monthly		
January	Year 2017	-	0.3420%	12	-		-
February	Year 2017	-	0.3420%	11	-		-
March	Year 2017	-	0.3420%	10	-		-
April	Year 2017	-	0.3420%	9	-		-
May	Year 2017	-	0.3420%	8	-		-
June	Year 2017	-	0.3420%	7	-		-
July	Year 2017	-	0.3420%	6	-		-
August	Year 2017	-	0.3420%	5	-		-
September	Year 2017	-	0.3420%	4	-		-
October	Year 2017	-	0.3420%	3	-		-
November	Year 2017	-	0.3420%	2	-		-
December	Year 2017	-	0.3420%	1	-		-
					-		-
					Annual		
January through December	Year 2018	-	0.3420%	12	-		-
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					Monthly		
January	Year 2019	-	0.3420%		-	-	-
February	Year 2019	-	0.3420%		-	-	-
March	Year 2019	-	0.3420%		-	-	-
April	Year 2019	-	0.3420%		-	-	-
May	Year 2019	-	0.3420%		-	-	-
June	Year 2019	-	0.3420%		-	-	-
July	Year 2019	-	0.3420%		-	-	-
August	Year 2019	-	0.3420%		-	-	-
September	Year 2019	-	0.3420%		-	-	-
October	Year 2019	-	0.3420%		-	-	-
November	Year 2019	-	0.3420%		-	-	-
December	Year 2019	-	0.3420%		-	-	-
					-		

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 year.