

Twelve Months Ended 2021

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

Appalachian Power Company

Line No.			Total	DA	Allocator	1.00000	Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 130)					\$423,154,266
2	REVENUE CREDITS	(Worksheet E Ln 8) (Note A)	7,379,039				7,379,039
3	Facility Credits under PJM OATT Section 30.9	(Worksheet E Ln 9) (Note X)					\$ -
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)					\$ 415,775,227

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)		28,366,903	DA		1.00000	\$ 28,366,903
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)						
7	Annual Rate	( (In 1 - In 95)/((In 42) x 100) )					13.30%
8	Monthly Rate	(In 7 / 12)					1.11%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)						
10	Annual Rate	( (In 1 - In 95 - In 100 ) /((In 42) x 100) )					10.61%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)						
12	Annual Rate	( (In 1 - In 95 - In 100 - In 125 - In 126) /((In 42) x 100) )					3.23%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note B) (Worksheet J/K)						-
14	<b>REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES</b>						
15	Total Load Dispatch & Scheduling (Account 561)	Line 75 Below					11,020,339
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)						6,341,973
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)						1,852,032
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)					2,826,334

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(1)	(2)	(3)	(4)	(5)
	Data Sources (See "General Notes")	TO Total NOTE C	Allocator	Total Transmission
<b>RATE BASE CALCULATION</b>				
Line No.				
	GROSS PLANT IN SERVICE			
19	Production (Worksheet A In 14.(b))	6,613,536,889	NA	-
20	Less: Production ARO (Enter Negative) (Worksheet A In 14.(c))	(95,828,114)	NA	-
21	Transmission (Worksheet A In 14.(d) & TCOS Ln 134)	4,026,199,258	DA	3,943,583,754
22	Less: Transmission ARO (Enter Negative) (Worksheet A In 14.(e))	-	TP	0.97948
23	Distribution (Worksheet A In 14.(f))	4,565,320,997	NA	0.00000
24	Less: Distribution ARO (Enter Negative) (Worksheet A In 14.(g))	(3,069)	NA	0.00000
25	General Plant (Worksheet A In 14.(h))	351,231,156	W/S	0.10674
26	Less: General Plant ARO (Enter Negative) (Worksheet A In 14.(i))	(1,291,341)	W/S	0.10674
27	Intangible Plant (Worksheet A In 14.(j))	266,774,093	W/S	0.10674
28	TOTAL GROSS PLANT (sum Ins 19 to 27)	15,725,939,869	<b>GP</b>	<b>0.254955</b>
			<b>GTD=</b>	<b>0.45901</b>
29	ACCUMULATED DEPRECIATION AND AMORTIZATION			
30	Production (Worksheet A In 28.(b))	3,013,219,076	NA	-
31	Less: Production ARO (Enter Negative) (Worksheet A In 28.(c))	(44,004,707)	NA	-
32	Transmission (Worksheet A In 28.(d) & In 43.(c))	785,456,984	TP1=	0.97018
33	Less: Transmission ARO (Enter Negative) (Worksheet A In 28.(e))	-	TP1=	0.97018
34	Distribution (Worksheet A In 28.(f))	1,572,619,368	NA	0.00000
35	Less: Distribution ARO (Enter Negative) (Worksheet A In 28.(g))	(2,101)	NA	0.00000
36	General Plant (Worksheet A In 28.(h))	94,762,157	W/S	0.10674
37	Less: General Plant ARO (Enter Negative) (Worksheet A In 28.(i))	(765,475)	W/S	0.10674
38	Intangible Plant (Worksheet A In 28.(j))	127,540,041	W/S	0.10674
39	TOTAL ACCUMULATED DEPRECIATION (sum Ins 30 to 38)	5,548,825,343		785,678,720
40	NET PLANT IN SERVICE			
41	Production (In 19 + In 20 - In 30 - In 31)	3,548,494,405		-
42	Transmission (In 21 + In 22 - In 32 - In 33)	3,240,742,274		3,181,551,301
43	Distribution (In 23 + In 24 - In 34 - In 35)	2,992,700,662		-
44	General Plant (In 25 + In 26 - In 36 - In 37)	255,943,132		27,318,719
45	Intangible Plant (In 27 - In 38)	139,234,052		14,861,489
46	TOTAL NET PLANT IN SERVICE (sum Ins 41 to 45)	10,177,114,526	<b>NP</b>	<b>0.316763</b>
47	DEFERRED TAX ADJUSTMENTS TO RATE BASE (Note D)			
48	Account No. 281.1 (enter negative) (Worksheet B, In 2 & In 5.E)	(241,939,009)	NA	-
49	Account No. 282.1 (enter negative) (Worksheet B, In 7 & In 10.E)	(2,044,831,983)	DA	(599,527,294)
50	Account No. 283.1 (enter negative) (Worksheet B, In 12 & In 15.E)	(195,489,344)	DA	(28,883,395)
51	Account No. 190.1 (Worksheet B, In 17 & In 20.E)	246,116,980	DA	50,383,038
52	Account No. 255 (enter negative) (Worksheet B, In 24 & In 25.E)	(6,178)	DA	(6,128)
53	TOTAL ADJUSTMENTS (sum Ins 48 to 52)	(2,236,149,534)		(578,033,776)
54	PLANT HELD FOR FUTURE USE (Worksheet A In 44.(e) & In 45.(e))	3,440,255	DA	1,600,565
55	REGULATORY ASSETS (Worksheet A In 51.(e))	-	DA	-
56	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y) (Worksheet A In 54.(e))	(5,740,521)	W/S	0.10674
57	WORKING CAPITAL (Note E)			
58	Cash Working Capital (1/8 * In 78)	6,100,494		5,975,315
59	Transmission Materials & Supplies (Worksheet C, In 2.(F))	144,064	TP	0.97948
60	A&G Materials & Supplies (Worksheet C, In 3.(F))	345,496	W/S	0.10674
61	Stores Expense (Worksheet C, In 4.(F))	-	GP	0.25496
62	Prepayments (Account 165) - Labor Allocated (Worksheet C, In 8.G)	252,925,488	W/S	0.10674
63	Prepayments (Account 165) - Gross Plant (Worksheet C, In 8.F)	5,147,559	GP	0.25496
64	Prepayments (Account 165) - Transmission Only (Worksheet C, In 8.E)	-	DA	1.00000
65	Prepayments (Account 165) - Unallocable (Worksheet C, In 8.D)	(250,688,714)	NA	0.00000
66	TOTAL WORKING CAPITAL (sum Ins 58 to 65)	13,974,387		34,462,321
67	IPP CONTRIBUTIONS FOR CONSTRUCTION (Note F) (Worksheet D, In 8.B)	(1,738,991)	DA	1.00000
68	RATE BASE (sum Ins 46, 53, 54, 55, 56, 66, 67)	7,950,900,121		2,679,408,898

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	(1)	(2)	(3)	(4)	(5)
	EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	Data Sources (See "General Notes")	TO Total	Allocator	Total Transmission
Line No.	OPERATION & MAINTENANCE EXPENSE				
69	Production	321.80.b	1,178,228,188		
70	Distribution	322.156.b	161,769,075		
71	Customer Related Expense	322 & 323.164,171,178.b	50,428,298		
72	Regional Marketing Expenses	322.131.b	6,603,034		
73	Transmission	321.112.b	357,729,327		
74	TOTAL O&M EXPENSES	(sum Ins 69 to 73)	1,754,757,922		
75	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	11,020,339		
76	Less: Account 565	(Note H) 321.96.b	316,382,461		
77	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, In 4.C)	(18,477,424)		
78	Total O&M Allocable to Transmission	(Ins 73 - 75 - 76 - 77)	48,803,952	TP 0.97948	47,802,520
79	Administrative and General	323.197.b (Notes J and M)	105,165,681		
80	Less: Acct. 924, Property Insurance	323.185.b	4,446,810		
81	Acct. 9260039 PBOP Expense	PBOP Worksheet O Line 9 & 10, (Note K)	(17,947,827)		
82	Acct. 9260057 PBOP Medicare Subsidy	PBOP Worksheet O Line 11, (Note K)	-		
83	PBOP Expense Billed From AEPSC	PBOP Worksheet O Line 13, (Note K)	(5,670,815)		
84	Acct. 928, Reg. Com. Exp.	323.189.b	10,695,109		
85	Acct. 930.1, Gen. Advert. Exp.	323.191.b	728,098		
86	Acct. 930.2, Misc. Gen. Exp.	323.192.b	7,759,245		
87	Balance of A & G	(In 79 - sum In 80 to In 86)	105,155,061	W/S 0.10674	11,223,984
88	Plus: Acct. 924, Property Insurance	(In 80)	4,446,810	GP 0.25496	1,133,737
89	Acct. 928 - Transmission Specific	Worksheet F In 20.(E) (Note L)	1,357,018	TP 0.97948	1,329,172
90	Acct 930.1 - Only safety related ads -Direct	Worksheet F In 37.(E) (Note L)	-	TP 0.97948	-
91	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F In 44.(E) (Note L)	2,800,978	DA 1.00000	2,800,978
92	Settlement Approved PBOP Recovery	PBOP Worksheet O, Col. C (Note M)	18,800,431	W/S 0.10674	2,006,710
93	A & G Subtotal	(sum Ins 87 to 92)	132,560,298		18,494,582
94	O & M EXPENSE SUBTOTAL	(In 78 + In 93)	181,364,250		66,297,102
95	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		-	DA 1.00000	-
96	TOTAL O & M EXPENSE	(In 94 + In 95)	181,364,250		66,297,102
97	DEPRECIATION AND AMORTIZATION EXPENSE				
98	Production	336.2-6.f	240,014,520	NA 0.00000	-
99	Distribution	336.8.f	162,137,505	NA 0.00000	-
100	Transmission	336.7.f	88,254,494	TP1 0.97018	85,622,498
101	General	336.10.f	11,103,309	W/S 0.10674	1,185,139
102	Intangible	336.1.f	40,820,370	W/S 0.10674	4,357,062
103	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 98+99+100+101+102)	542,330,198		91,164,699
104	TAXES OTHER THAN INCOME	(Note N)			
105	Labor Related				
106	Payroll	Worksheet H In 24.(D)	7,908,051	W/S 0.10674	844,085
107	Plant Related				
108	Property	Worksheet H In 24.(C)	81,184,609	DA 0.00000	28,294,969
109	Gross Receipts/Sales & Use	Worksheet H In 24.(F)	52,269,586	NA 0.00000	-
110	Other	Worksheet H In 24.(E)	7,376,609	GP 0.25496	1,880,705
111	TOTAL OTHER TAXES	(sum Ins 106 to 110)	148,738,855		31,019,759
112	INCOME TAXES	(Note O)			
113	$T=1 - \{(1 - SIT) * (1 - FIT)\} / (1 - SIT * FIT * p) =$		23.84%		
114	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		20.97%		
115	where WCLTD=(In 154) and WACC = (In 157)				
116	and FIT, SIT & p are as given in Note O.				
117	$GRCF=1 / (1 - T) =$ (from In 113)		1,3130		
118	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	9,420		
119	Excess Deferred Income Tax	(Note U)	(57,837,502)	DA	(4,995,458)
120	Tax Effect of Permanent and Flow-Through Differences	(Note U)	11,730,925	DA	2,234,161
121	Income Tax Calculation	(In 114 * In 126)	122,563,675		41,303,273
122	ITC adjustment	(In 117 * In 118)	12,368	GP 0.25496	3,153
123	Excess Deferred Income Tax	(In 117 * In 119)	(75,938,210)		(6,558,827)
124	Tax Effect of Permanent and Flow-Through Differences	(In 117 * In 120)	15,402,212		2,933,360
125	TOTAL INCOME TAXES	(sum Ins 121 to 124)	62,040,044		37,680,960
126	RETURN ON RATE BASE (Rate Base*WACC)	(In 68 * In 157)	584,439,518		196,952,851
127	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		38,895	DA 1.00000	38,895
128	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. (F) & (H))		-		-
129	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 128 * In 114)		-		-
130	TOTAL REVENUE REQUIREMENT		1,518,951,760		423,154,266
	(sum Ins 96, 103, 111, 125, 126, 127, 128, 129)				



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Letter

Notes

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

- A Revenue credits include:  
1) Forfeited Discounts.  
2) Miscellaneous Service Revenues.  
3) Rental revenues earned on assets included in the rate base.  
4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service.  
5) Other electric revenues.  
6) Revenues for grandfathered PTP contracts included in the load divisor.  
7) If AEP East companies have any directly assigned transmission facilities, the revenue credits in the AEP East formula rate shall include all revenues associated with those directly assigned transmission facilities, irrespective of whether the loads of the customer are included in the formula rate divisor; provided however, such addition to revenue credits shall not be reflected if the costs of such directly assigned transmission facilities are not included in the transmission plant balances on which the formula rate ATRR is based.  
See Worksheet E for details.
- B The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's. Interest will be calculated based on Worksheet Q and any over under recovery will be filed and posted as part of the informational filing.
- C Transmission Plant Balances in this study are projected or actual average of 13-month balances.
- D The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flowthrough and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking the calculation of ADIT in the annual projection will be performed in accordance with IRS Regulation Section 1.167(i)-(h)(6)(ii). RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B. The company will not include the ADIT portion of deferred hedge gains and losses in rate base. Detailed balances for the projected or actual period, distinguished between utility and non-utility balances, will be filed and posted as part of the information filing.
- E Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission, as shown on line 78. It includes:  
1) Load Scheduling & Dispatch Charges in account 561 that are collected in the OATT Ancillary Services Revenue, as shown on line 75.  
2) Costs of Transmission of Electricity by Others, as described in Note H.  
3) The impact of state regulatory deferrals and amortizations, as shown on line 77  
4) All A&G Expenses, as shown on line 93.
- F Consistent with Paragraph 657 of Order 2003-A, the amount on line 67 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 127.
- G Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 & 561.8 (lines 16 & 17 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances.
- H Removes cost of transmission service provided by others to determine the basis of cash working capital on line 78. To the extent such service is incurred to provide the PJM service at issue, e.g. lease payments to affiliates, such cost is added back on line 95 to determine the total O&M collected in the formula. The amounts on line 95 is also excluded in the calculation of the FCR percentage calculated on lines 6 through 12.  
The addbacks on line 95 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity.  
The company records referenced on line 95 is the Appalachian Power Company general ledger.
- I Removes the impact of state regulatory deferrals or their amortization from Transmission O&M expense.
- J General Plant and Administrative & General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages & Salaries "W/S" allocator. The allocation basis for accounts 924, 928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.
- K These deductions on lines 81 through 83 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.
- L Expenses recorded in FERC Accounts 928 (Regulatory Commission Expense), 930.1 (Safety Related Advertising) and 930.2 (Miscellaneous General Expenses) that are not directly related to or properly allocable to transmission service will be removed from the TCOS. If AEP includes any expenses booked to these accounts in future ATRR updates, AEP must provide supporting information demonstrating that the underlying activities are directly related to providing transmission service. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.
- M See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corporation. The calculation of the recoverable amount for each company is shown on Worksheet O.
- N Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales & use and taxes related to income are excluded.
- O The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT.  
A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)  
(In 118) multiplied by (1/1-T). If the applicable tax rates are zero enter 0.  
Inputs Required:  
FIT = 21.00%  
SIT = 3.59% (State Income Tax Rate or Composite SIT. Worksheet G)  
p = 0.00% (percent of federal income tax deductible for state purposes)
- The formula rate shall reflect the applicable state and federal statutory tax rates in effect during the period the calculated estimated unit charges are applicable.  
If the statutory tax rates change during such period, the effective tax rates used in the formula shall be weighted by the number of days the pre-change rate and post-change rate each is in effect.
- P Removes plant excluded from the OATT because it does not meet the PJM's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.
- Q Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note P.
- R Includes functional wages & salaries billed by AEP Service Corporation for support of the operating company.
- S Long Term Debt cost rate = long-term interest (In 145) /average long term debt (In 154). Preferred Stock cost rate = preferred dividends (In 146) /preferred outstanding (In 155).  
Common Stock cost rate (ROE) = 10.35%, per the settlement in FERC Docket No. EL17-13. It includes an additional 50 basis points for PJM RTO membership.  
The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the capital structure. Details and calculations of the weighted average cost of capital are shown on Worksheet M. Eligible Hedging Gains and Losses are computed on Worksheet M. The unamortized balance of eligible hedge gains/losses and related ADIT amounts shall not flow through the formula rate.
- T The Long Term Debt balance for I&M includes the accumulated balance of principle and related interest for Spent Nuclear Fuel Disposal Costs collected prior to April 7, 1983.  
This total balance of \$265,249,280 at 12/31/12 is not included in the balance in line 154 above.  
The cost rates for long-term debt shall include interest expense and related periodic expenses (such as remarketing and letter of credit fees) as recorded in FERC Account 427 or 430, amortization of issuance costs (including insurance) and discounts as recorded in FERC Account 428, issuance premiums as recorded in FERC Account 429 and losses or gains on reacquired debt as recorded in FERC Accounts 428.1 or 429.1, respectively. The cost rates for preferred stock (if applicable) shall include the dividends.
- U Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax Effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period. Transmission balances for the projected or actual period, will be filed and posted as part of the informational filing.
- V Cash investment in prepaid pension and benefits recorded in FERC Account 165 is permitted to be included in the formula. A labor expense allocation factor will be used to allocate total company costs. All other prepayments recorded in FERC Account 165 are directly assigned to the transmission function, allocated or excludable balances detailed on Worksheet C.
- W The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.
- X Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.
- Y The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base.
- Z Per the settlement in EL17-13, equity is limited to 55% in of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure.

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

Gross Plant In Service										
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
		Company Records (Included in total in Column (b))		Company Records (Included in total in Column (d))		Company Records (Included in total in Column (f))		Company Records (Included in total in Column (h))		Company Records (Included in total in Column (j))
		FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	FF1, page 205&204, Col.(g)&(b), Ins 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	Acct. 359.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	Acct. 399.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5
	<b>(Note A)</b>									
1	December Prior to Rate Year	6,590,464,954	93,492,993	3,898,871,056	-	4,462,596,917	3,069	330,496,686	1,204,129	249,285,713
2	January	6,590,416,222	93,492,993	3,904,167,094	-	4,471,208,153	3,069	332,074,254	1,204,129	256,308,612
3	February	6,599,216,954	93,492,993	3,913,766,493	-	4,482,977,958	3,069	335,399,533	1,204,129	258,969,244
4	March	6,600,719,967	93,449,251	3,930,094,807	-	4,510,333,475	3,069	338,542,270	1,204,129	260,076,941
5	April	6,602,114,407	93,449,251	3,940,843,944	-	4,525,257,398	3,069	341,775,780	1,204,129	262,537,526
6	May	6,606,753,690	93,449,251	3,969,626,290	-	4,542,591,854	3,069	348,537,247	1,204,129	266,987,427
7	June	6,610,701,314	93,449,251	4,003,188,449	-	4,562,049,049	3,069	352,737,052	1,368,095	265,531,563
8	July	6,619,003,884	93,449,251	4,018,868,872	-	4,582,073,554	3,069	358,666,658	1,368,095	269,784,613
9	August	6,627,375,020	99,608,050	4,040,858,127	-	4,600,238,510	3,069	360,070,874	1,368,095	273,206,153
10	September	6,627,599,647	99,608,050	4,051,364,026	-	4,619,894,344	3,069	364,845,666	1,368,095	272,327,661
11	October	6,629,169,766	99,608,050	4,084,973,305	-	4,644,218,571	3,069	363,449,455	1,368,095	274,964,508
12	November	6,631,794,479	99,608,050	4,263,335,919	-	4,663,614,411	3,069	367,572,089	1,368,095	278,207,673
13	December of Rate Year	6,640,649,250	99,608,050	4,320,831,972	-	4,682,118,772	3,069	371,837,469	1,368,095	279,875,549
14	Average of the 13 Monthly Balances	6,613,536,889	95,828,114	4,026,199,258	-	4,565,320,997	3,069	351,231,156	1,291,341	266,774,093

Accumulated Depreciation										
Line No	Month (a)	Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
		Company Records (Included in total in Column (b))		Company Records (Included in total in Column (d))		Company Records (Included in total in Column (f))		Company Records (Included in total in Column (h))		Company Records (Included in total in Column (j))
		FF1, page 219, Ins 20-24, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, In 26, Col. (b)	Company Records (Included in total in Column (f))	FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, In 21, Col. (b)
15	December Prior to Rate Year	2,915,182,009	42,361,565	762,867,121	-	1,532,247,334	2,067	90,764,513	746,669	111,800,956
16	January	2,929,652,751	42,615,199	769,968,908	-	1,537,087,288	2,072	91,284,567	749,727	114,867,782
17	February	2,948,023,151	42,868,832	773,817,572	-	1,538,718,856	2,076	92,235,103	752,786	118,250,589
18	March	2,964,903,470	43,122,466	779,760,689	-	1,547,477,550	2,084	93,003,426	755,845	120,003,491
19	April	2,979,826,750	43,405,075	784,400,989	-	1,555,452,997	2,090	93,799,285	758,904	123,293,492
20	May	2,996,781,332	43,687,685	784,765,104	-	1,563,246,542	2,095	94,590,720	761,962	126,624,503
21	June	3,012,755,616	43,970,294	789,747,085	-	1,571,060,921	2,101	95,548,771	765,021	127,209,771
22	July	3,029,325,837	44,252,904	788,822,433	-	1,580,033,792	2,107	96,340,447	768,361	130,637,912
23	August	3,047,149,095	44,535,513	791,660,570	-	1,588,345,881	2,112	96,935,761	771,701	134,136,936
24	September	3,064,241,633	44,845,473	794,899,769	-	1,595,581,149	2,118	97,313,330	775,040	134,185,364
25	October	3,079,182,738	45,155,433	795,286,721	-	1,602,281,078	2,124	95,889,010	778,380	137,787,537
26	November	3,095,828,597	45,465,393	795,645,469	-	1,610,842,028	2,130	96,764,993	781,720	141,433,657
27	December of Rate Year	3,108,995,013	45,775,353	799,298,358	-	1,621,676,367	2,135	97,438,122	785,059	137,988,536
28	Average of the 13 Monthly Balances	3,013,219,076	44,004,707	785,456,984	-	1,572,619,368	2,101	94,762,157	765,475	127,540,041

Line No	Month (a)	OATT Ancillary Services (GSU) Plant In Service (b)	OATT Ancillary Services (GSU) Accumulated Depreciation (c)	Excluded Plant - Plant In Service (d)	Excluded Plant - Accumulated Depreciation (e)
			Company Records (included in total in column (d) of gross plant above)		
29	December Prior to Rate Year				
30	January	82,615,504	22,362,369	-	-
31	February	82,615,504	22,539,396	-	-
32	March	82,615,504	22,716,422	-	-
33	April	82,615,504	22,893,449	-	-
34	May	82,615,504	23,070,476	-	-
35	June	82,615,504	23,247,503	-	-
36	July	82,615,504	23,424,530	-	-
37	August	82,615,504	23,601,557	-	-
38	September	82,615,504	23,778,583	-	-
39	October	82,615,504	23,955,610	-	-
40	November	82,615,504	24,132,637	-	-
41	December of Rate Year	82,615,504	24,309,664	-	-
42	Average of the 13 Monthly Balances	82,615,504	24,486,690	-	-

43 Transmission Accum Depreciation net of GSU 762,032,454

**Plant Held For Future Use**

(a)	Source of Data (b)	Balance @ December 31, 2021 (c)	Balance @ December 31, 2020 (d)	Average Balance for 2021 (e)
		44	Plant Held For Future Use	3,144,691
45	Transmission Plant Held For Future Use (Included in total on line 44)	1,573,245	1,627,885	1,600,565

**Regulatory Assets and Liabilities Approved for Recovery in Ratebase**

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

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

**Unfunded Reserves Summary (Company Records)**

	Description	Account			
52					
53a	Accum Prv I/D Worker's Com	2282003	411,613	252,227	331,920
53b	Accm Prv I/D - Asbestos - Curr	2282011	534,834	576,418	555,626
53c	Accm Prv I/D - Asbestos	2282012	4,213,125	5,492,827	4,852,976
54	Total		5,159,571	6,321,471	5,740,521

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

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

Line Number	(A) Description	(B) Source	(C) Balance @ December 31, 2021	(D) Balance @ December 31, 2020	(E) Average Balance for 2021
1	<b><u>Account 281</u></b>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, In 8, Col. (k)	235,940,636	247,937,383	241,939,009
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)	235,940,636	247,937,383	241,939,009
5	Transmission Related Deferrals	Ln 2 - In 3 - In 4	-	-	-
6	<b><u>Account 282</u></b>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, In 5, Col. (k)	2,043,267,640	2,046,396,327	2,044,831,983
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	11,917,309	11,324,105	11,620,707
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	1,420,055,493	1,447,312,473	1,433,683,983
10	Transmission Related Deferrals	Ln 7 - In 8 - In 9	611,294,839	587,759,748	599,527,294
11	<b><u>Account 283</u></b>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, In 9, Col. (k)	220,933,278	170,045,410	195,489,344
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	6,175,746	6,249,387	6,212,567
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	182,179,054	138,607,710	160,393,382
15	Transmission Related Deferrals	Ln 12 - In 13 - In 14	32,578,478	25,188,312	28,883,395
16	<b><u>Account 190</u></b>				
17	Year End Utility Deferrals	FF1, p. 234, In 8, Col. (c)	255,297,524	236,936,435	246,116,980
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	84,970,740	65,742,850	75,356,795
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	118,486,644	122,267,650	120,377,147
20	Transmission Related Deferrals	Ln 17 - In 18 - In 19	51,840,140	48,925,935	50,383,038
21	<b><u>Account 255</u></b>				
22	Year End ITC Balances	FF1, p. 266-267, In 8, Col. (h)	306,934	318,791	312,863
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	301,975	311,395	306,685
24	ITC Balances Includeable Ratebase	Ln 22 - In 23	4,959	7,396	6,178
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	4,954	7,297	6,126

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

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

Appalachian Power Company  
 SPECIFIED DEFERRED CREDITS - Actual Cycle Only  
 PERIOD ENDED DECEMBER 31, 2021

(DEBIT) CREDIT

COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
	PER BOOKS	NON-APPLICABLE/NON-UTILITY	AVERAGE	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2020			FUNCTIONALIZATION 12/31/2021				
	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	UTILITY (B+C+D+E)/2	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1.00 ACCOUNT 281:														
2.01 TX AMORT POLLUTION CONT EQPT	247,937,383	235,940,636			241,939,009	241,939,009	0	0	247,937,383			235,940,636		
2.02 NON-UTILITY DEFERRED FIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.05 SFAS 109 FLOW-THRU 281.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.06 SFAS 109 EXCESS DFT 281.4	(95,799,954)	(92,217,001)	95,799,954	92,217,001	0	0	0	0	0	0	0	0	0	0
3 TOTAL ACCOUNT 281	152,137,429	143,723,636	95,799,954	92,217,001	241,939,009	241,939,009	0	0	247,937,383	0	0	235,940,636	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	810,288,993	817,883,894			814,096,443	216,843,836	342,392,169	254,850,438	208,118,093	334,790,535	267,380,365	225,569,578	348,993,804	242,320,512
5.02 FERC ORDER 14 CATCH UP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.03 CAPD INTEREST - SECTION 481(a) - CHANGE IN METHD	142,302	31,059			86,660	32,207	33,410	20,973	44,535	60,063	37,704	20,059	6,757	4,242
5.04 RELOCATION COST - SECTION 481(a) - CHANGE IN METH	26,468	2,957			14,712	0	0	14,712	0	0	26,468	0	0	2,957
5.05 PAM INTEGRATION - SEC 481(a) - INTANG - DFD LABOR	(6,468)	(6,468)			0	0	0	0	0	0	0	0	0	0
5.06 R & D DEDUCTIBLE SECTION 174	2,219,072	2,316,072			2,267,572	1,971,789	82,605	213,178	1,923,289	82,605	213,178	2,020,289	82,605	213,178
5.07 BK PLANT IN SERVICE-SFAS 143-ARO	13,185,196	13,778,400			13,481,798	13,439,767	(472)	42,503	13,156,134	(454)	29,516	13,723,400	(491)	55,490
5.08 MNTR CARBON CAPTURE - SFAS 143-ARO	(1,343,475)	(1,343,475)			(1,343,475)	(1,343,475)	0	0	(1,343,475)	0	0	(1,343,475)	0	0
5.09 TAX DEPRECIATION LOOKBOOK	0	0			0	0	0	0	0	0	0	0	0	0
5.10 NORMALIZED BASIS DIFFS - TRANSFERRED PLANTS	13,398,111	12,728,206			13,063,159	13,063,159	0	0	13,398,111	0	0	12,728,206	0	0
5.11 DFT GENERATION PLANT	42,823,751	41,786,171			42,304,961	42,304,961	0	0	42,823,751	0	0	41,786,171	0	0
5.12 GAIN/LOSS ON PROXY ACQUISITION PROPERTY	79,734,454	77,596,467			77,665,460	6,676,741	34,129,236	36,856,464	35,473,515	6,681,008	37,569,931	32,784,666	6,682,474	36,149,037
5.13 GAIN/LOSS ON ACCRIMARS-BKTX UNIT PROP	(7,935,566)	(7,935,566)			(7,935,566)	(7,935,566)	0	0	(7,935,566)	0	0	(7,935,566)	0	0
5.14 ABFUDC	638,448	611,827			625,138	625,138	0	0	638,448	0	0	611,827	0	0
5.15 ABFUDC - TRANSMISSION	1,847,117	1,788,408			1,792,762	1,792,762	0	0	1,847,117	0	0	1,788,408	0	0
5.16 ABFUDC - GENERAL	7,771	6,468			7,120	0	2,518	4,602	0	2,754	5,017	0	2,282	4,186
5.17 ABFUDC - DISTRIBUTION	5,462	5,718			5,590	0	5,590	0	0	0	5,462	0	5,718	0
5.18 TAXES CAPITALIZED	0	0			0	0	0	0	0	0	0	0	0	0
5.19 PENSIONS CAPITALIZED	0	0			0	0	0	0	0	0	0	0	0	0
5.20 SEC 481 PENSION ADJUSTMENT	(42,123)	(42,123)			(42,123)	(39,564)	(1,213)	(1,343)	(39,564)	(1,213)	(1,343)	(39,564)	(1,213)	(1,343)
5.21 SAVINGS PLAN CAPITALIZED	0	0			0	0	0	0	0	0	0	0	0	0
5.22 PERCENT REPAIR ALLOWANCE	6,840,213	7,801,827			8,141,020	5,485,182	897,600	1,788,238	5,882,902	915,974	1,881,246	5,287,371	815,227	1,695,229
5.23 BOOK/TAX UNIT OF PROPERTY ADJ	193,298,937	193,150,988			171,715,961	80,758,088	32,015,088	58,944,787	77,275,705	23,659,083	45,303,149	84,338,472	40,371,090	68,586,424
5.24 BKTX UNIT OF PROPERTY ADJ-SEC 481 ADJ	159,718,932	159,718,932			159,718,932	158,876,009	34,206,423	71,638,501	53,876,009	34,206,423	71,638,501	53,876,009	34,206,423	71,638,501
5.25 BOOK/TAX MDED SERVICE COST ADJ	32,020,719	47,251,502			39,636,110	0	18,388,551	21,246,559	4,958,407	14,138,948	17,881,771	5,775,143	22,640,154	24,611,348
5.26 BKTX MDED SERVICE COST ADJ-SEC 481 ADJ	32,020,719	47,251,502			39,636,110	0	18,388,551	21,246,559	4,958,407	14,138,948	17,881,771	5,775,143	22,640,154	24,611,348
5.27 BOOK/TAX UNIT OF PROPERTY ADJ-AGR TRANSFER	16,142,771	16,142,771			16,142,771	16,142,771	0	0	16,142,771	0	0	16,142,771	0	0
5.28 BKTX UNIT OF PROPERTY ADJ-AGR TRANSFER	3,157,388	3,157,388			3,157,388	3,157,388	0	0	3,157,388	0	0	3,157,388	0	0
5.29 TX ACCEL ADJUST - CAPITALIZED SOFTWARE	1,688,399	1,688,399			1,688,399	861,838	307,760	938,802	651,838	307,760	938,802	651,838	307,760	938,802
5.30 INSURANCE PREMIUMS ACCRUED	470,349	507,836			489,092	179,754	74,483	234,855	177,255	71,343	221,751	182,253	77,624	247,959
5.31 CAPITALIZED REPAIR COSTS	2,997,271	3,476,112			3,236,192	2,952,452	285,943	2,952,452	2,952,452	293,353	2,709,248	2,783,533	2,709,248	3,200,500
5.32 EXTRACTORDINARY LOSS ON DISP OF PROP	1,278	0			639	0	0	0	0	0	0	0	0	0
5.33 BOOK OPERATING LEASE - LAB	16,548,053	14,053,985			15,301,019	5,035,286	119,640	10,146,093	5,722,745	127,580	10,897,728	4,347,827	111,699	9,594,458
5.34 DEFID TAX GAIN - FERR OPTIC LINE	0	0			0	0	0	0	0	0	0	0	0	0
5.35 DISALLOWED COSTS-RESERVE DEFICIENCY-APCO VA	(8,249,480)	(8,249,480)			(8,249,480)	(8,249,480)	0	0	(8,249,480)	0	0	(8,249,480)	0	0
5.36 AMORT PERPETUAL TERM ELECT PLT	0	0			0	0	0	0	0	0	0	0	0	0
5.37 CAPITALIZED LEASES - AC 1011 ASSETS	0	0			0	0	0	0	0	0	0	0	0	0
5.38 GAIN ON REACQUIRED DEBT	0	0			0	0	0	0	0	0	0	0	0	0
5.39 REMOVAL COSTS	803,458	736,402			769,422	769,422	0	0	803,458	0	0	736,402	0	0
5.40 REMOVAL COSTS - ARO-MNTR CARBON CAPTURE	(38,590)	(38,590)			(38,590)	(38,590)	0	0	(38,590)	0	0	(38,590)	0	0
5.41 REMOVAL COSTS REEV - SFAS 143 - ARO	(479,025)	(479,025)			(479,025)	(479,025)	0	0	(479,025)	0	0	(479,025)	0	0
5.42 TAX WRITE OFF PROXY ACQUISITION	(169,791)	(169,791)			(169,791)	(169,791)	0	0	(169,791)	0	0	(169,791)	0	0
5.43 BK DEPLETION - NU-EAST	187,693	187,702			187,696	187,696	0	0	187,693	0	0	187,702	0	0
5.44 2007 IRS ADJUST ADJUSTMENTS - AC 282	0	0			0	0	0	0	0	0	0	0	0	0
5.45 TAX CUTS AND LOSSES ADJ (TCJA)	0	0			0	0	0	0	0	0	0	0	0	0
5.46 282 EXCESS ADJUSTMENT	(44,342,127)	(41,548,923)			(42,945,525)	(16,182,860)	(34,815,254)	8,052,589	(9,705,910)	(32,453,503)	(2,182,714)	(22,659,810)	(37,177,005)	18,287,892
5.47 EXCESS ADJFT	719,350,508	654,757,175			687,053,841	242,992,007	221,379,560	222,682,754	256,842,916	227,585,399	234,922,202	229,141,097	215,172,732	210,443,345
5.48 NOL ADJUSTMENT	(78,727,428)	(78,727,428)			(78,727,428)	(78,727,428)	0	0	(78,727,428)	0	0	(78,727,428)	0	0
5.49 NOL CONTRA	78,727,428	78,727,428			78,727,428	78,727,428	0	0	78,727,428	0	0	78,727,428	0	0
5.50 NON-UTILITY DEFERRED FIT	0	0			0	0	0	0	0	0	0	0	0	0
5.51 SFAS 109 FLOW-THRU 282.3	79,918,458	77,689,861			79,918,458	(77,689,861)	0	0	79,918,458	0	0	77,689,861	0	0
5.52 SFAS 109 EXCESS DFT 282.4	(719,350,508)	(654,757,175)			(719,350,508)	(654,757,175)	0	0	(719,350,508)	0	0	(654,757,175)	0	0
5.53 Accum Deferr Proceer FIT - TB85 282.6	0	0			0	0	0	0	0	0	0	0	0	0
6 TOTAL ACCOUNT 282	1,406,964,308	1,507,749,256	562,704,591	481,450,829	1,969,434,488	676,948,191	599,526,621	690,959,478	686,890,648	587,759,206	695,010,968	667,005,736	611,294,348	690,899,995
7 ACCOUNT 282 - ARO-Related Deferrals	11,324,105	11,917,309			11,620,708	11,578,676	(472)	42,503	11,295,043	(454)	29,516	11,862,309	(491)	55,490
8 ACCOUNT 283:														
8.01 NOL - STATE DIF - DEF STATE TAX ASSET - LIT	0	0			0	0	0	0	0	0	0	0	0	0
8.02 SW - UNDER RECOVERY FUEL COST	895,275	15,260,481			8,077,878	8,077,878	0	0	895,275			15,260,481		
8.03 SV - UNDER RECOVERY FUEL COST	699,494	26,713,937			13,705,716	13,705,716	0	0	699,494			26,713,937		
8.04 NW - UNDER RECOVERY FUEL COST	(0)	(0)			(0)	(0)	0	0	(0)			(0)		
8.05 CV-UNDER RECOVERY FUEL COST	55,866	292,956			174,213	174,213	0	0	55,866			292,956		
8.06 PROPERTY TAX - NEW METHOD - BOOK	6,125,641	5,368,151			5,746,896	1,088,484	1,845,067	2,813,346	1,131,768	2,199,325	2,794,549	1,045,199	1,490,809	2,832,143
8.07 PROP-TAX STATE 2 OLD METHOD-TX	0	0			0	0	0	0	0	0	0	0	0	0
8.08 DEFID TAX GAIN - APCO WV SEC REG ASSET	44,661,475	39,345,785			42,003,630	42,003,630	0	0	44,661,475	0	0	39,345,785	0	0
8.09 MTM BK GAIN - AL - TAX DEF	962													

9.91	CAPITALIZED SOFTWARE COST - BOOK	25,967,912	22,221,757	24,094,835	8,051,110	4,971,192	11,072,533	8,730,295	5,279,892	11,957,724	7,371,925	4,662,491	10,187,341
9.92	LOSS ON REACQUIRED DEBT	17,232,806	16,420,602	16,826,604	8,260,998	3,440,045	5,125,560	8,468,818	3,518,487	5,245,301	6,053,178	3,361,603	5,005,620
9.93	DEFD SFAS 106 BOOK COSTS	0	0	0	0	0	0	-	-	-	-	-	-
9.94	SFAS 106-MEDICARE SUBSIDY-(PPACA)-REG ASSET	494,607	370,956	432,781	179,004	27,949	225,828	204,576	31,942	258,089	153,432	23,956	193,567
9.95	EXCESS DSIT - UNPROTECTED HW	0	(915,478)	(457,793)	(180,398)	(86,043)	(181,288)	-	-	-	(380,769)	(192,088)	(382,597)
9.96	REG ASSET - ACCRUED SFAS 112	2,842,406	2,786,526	2,814,466	884,312	77,063	1,853,091	867,364	81,149	1,893,892	901,260	72,976	1,812,290
9.97	STATE NOL CURRENT BENEFIT	1,067,735	0	533,868	533,868	0	0	1,067,735	-	-	-	-	-
9.98	202 EXCESS ADJUSTMENT	47,673,648	0	23,936,524	23,936,524	0	2,040,706	9,766,736	33,807,478	4,089,412	-	-	-
9.99	283-ACCUM DEFD FEDERAL TBBS ADJ	0	38,810,565	19,405,283	19,405,283	0	1,886,791	-	-	-	636,393	34,400,590	3,773,582
10.00	283-ACCUM DEFD STATE TBBS ADJ	0	(3,478,333)	(1,739,167)	(1,739,167)	0	(667,278)	-	-	-	(1,618,290)	(525,487)	(1,334,556)
10.01	EXCESS ADIT	(184,349,162)	(178,519,668)	(181,434,370)	(181,434,370)	(134,916,849)	(38,520,517)	(7,997,205)	(134,257,717)	(41,419,482)	(8,671,963)	(138,376,360)	(35,621,552)
10.02	NOL ADJUSTMENT	-	-	0	0	0	0	-	-	-	-	-	-
10.03	NOL CORNINA	-	-	0	0	0	0	-	-	-	-	-	-
10.04	NON-UTILITY DEFERRED FIT	144,225	479,318	(144,225)	(479,318)	-	-	-	-	-	-	-	-
10.05	SFAS 109 FLOW-THRU 283.3	76,233,867	69,654,856	(76,233,867)	(69,654,856)	-	-	-	-	-	-	-	-
10.06	SFAS 109 EXCESS DIFT 283.4	184,349,162	178,519,668	(184,349,162)	(178,519,668)	-	-	-	-	-	-	-	-
10.07	Accum Deferred SIT - Excess	-	(4,359,417)	0	4,359,417	-	-	-	-	-	-	-	-
10.08	Accum Delf Other FIT-TBBS	-	(35,332,232)	0	35,332,232	-	-	-	-	-	-	-	-
10.09	Accum Deferred SIT-TBBS	-	(16,563,491)	0	16,563,491	-	-	-	-	-	-	-	-
10.10	ADIT FED - HEDGE-INTEREST RATE 2830015	1,175,966	2,626,414	(1,175,966)	(2,626,414)	-	-	-	-	-	-	-	-
10.11	ADIT FED - HEDGE-FOREIGN EXC 2830016	11,117	8,545	(11,117)	(8,545)	-	-	-	-	-	-	-	-
10.12	SFAS 133 ADIT FED - SFAS 133 NONAFFL 2830006	-	-	0	0	-	-	-	-	-	-	-	-
10		353,903,938	337,115,729	(261,914,357)	(195,033,952)	117,035,683	50,450,874	(19,258,611)	47,606,695	34,309,307	11,282,891	46,397,383	75,377,303
11	DEFD STATE INCOME TAXES	78,055,828	78,851,501	-	-	78,453,664	39,696,743	14,300,716	24,456,206	40,080,046	13,905,421	24,070,361	39,313,440
11.01	SFAS 109 - DEFD STATE INCOME TAXES - 2831002/1202	258,429,088	231,263,370	(258,429,088)	(231,263,370)	0	-	-	-	-	-	-	-
12	TOTAL ACCOUNT 283	890,388,834	847,230,599	(520,343,425)	(426,297,321)	195,489,347	90,147,617	(4,957,895)	72,065,901	74,389,353	25,188,312	70,467,745	114,690,742
13	ACCOUNT 283 - ARO-Related Deferrals	6,249,387	6,175,746	0	0	6,212,567	6,212,567	0	0	6,249,387	0	0	6,175,746
14	JURISDICTIONAL AMOUNTS FUNCTIONALIZED	-	-	-	-	-	-	-	-	-	-	-	-
15	TOTAL COMPANY AMOUNTS FUNCTIONALIZED	-	-	-	-	-	-	-	-	-	-	-	-
16	REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANT	-	-	-	-	-	-	-	-	-	-	-	-
17	NOTE: POST 1979 ACCUMULATED DEFERRED	-	-	-	-	-	-	-	-	-	-	-	-
18	INV TAX CRED. (SITCO) IN AC 255	-	-	-	-	6,178	30	6,126	23	59	7,297	40	-
18.01	SEC ALLOC - ITC - 48F 1 - 10%	7,396	4,959	-	-	306,685	306,685	0	0	311,395	-	-	301,975
18.02	HYDRO CREDIT - ITC - 48F 1	311,395	301,975	-	-	-	-	-	-	-	-	-	-
19		-	-	-	-	-	-	-	-	-	-	-	-
20	TOTAL ACCOUNT 255	318,791	306,934	0	0	312,863	306,715	6,126	23	311,454	7,297	40	301,975

Appalachian Power Company  
**ACCUMULATED DEFERRED INCOME TAX IN ACCOUNT 190 - Actual Cycle Only**  
**PERIOD ENDED DECEMBER 31, 2021**

DEBIT (CREDIT)

ACCOUNT 190	COLUMN A		COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O	
	PER BOOKS		NON-APPLICABLE/NON-UTILITY				AVERAGE ELECTRIC UTILITY (B+C+D+E)	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2020			FUNCTIONALIZATION 12/31/2021			
	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION
1 ACCOUNT 190:																	
2.01 NOL & TAX CREDIT CIF - DEF TAX ASSET	1,633,254	1,633,254			1,633,254		1,246,897	143,887	242,469	1,246,897	143,887	242,469	1,246,897	143,887	242,469		
2.02 BOOK VS. TAX DEPRECIATION	0	0			0		0	0	0	0	0	0	0	0	0		
2.03 INT EXP CAPITALIZED FOR TAX	51,506,694	52,039,166			51,772,930		26,708,406	20,726,305	4,338,220	27,261,497	19,931,817	4,313,380	26,155,315	21,520,792	4,363,059		
2.04 CIAC-BOOK RECEIPTS	0	0			0		0	0	0	0	0	0	0	0	0		
2.05 CIAC - BOOK RECEIPTS-DISTR- SV	5,984,499	8,817,884			7,401,191		2,030,305	5,370,887	-	951,381	5,033,118	-	3,109,228	5,708,656	-		
2.06 CIAC - BOOK RECEIPTS-TRANS	203,424	203,424			203,424		0	203,424	0	203,424	0	0	203,424	0	0		
2.07 CIAC - BOOK RECEIPTS-DISTR- SW	2,966,092	3,250,911			3,108,227		0	126,650	2,981,577	0	129,339	2,837,753	0	124,960	3,125,401		
2.08 CIAC - MUSSER ACQUISITION	0	0			0		0	0	0	0	0	0	0	0	0		
2.09 SW - OVER RECOVERY FUEL COSTS	0	0			0		0	0	0	0	0	0	0	0	0		
2.10 SW - OVER RECOVERY FUEL COSTS	0	0			0		0	0	0	0	0	0	0	0	0		
2.11 PROVS POSS REV REFS	347,405	(1,736)			172,835		58,788	114,047	(0)	36,316	311,089	(0)	81,260	(82,996)	(0)		
2.12 PROV FOR RATE REFUND-TAX REFORM	110,090	0			55,045		55,045	0	0	110,090	0	0	0	0	0		
2.13 PROV FOR RATE REFUND-EXCESS PROTECTED	0	(0)			68,526		11,297	0	0	57,229	2,921	0	47,916	19,974	0		
2.14 SALE/LEASE-GRUNTY	577	577			577		0	0	0	577	0	0	577	0	0		
2.15 MTM BK LOSS - AL - TAX DEF	(107,010)	(107,010)			(107,010)		(107,010)	(107,010)	0	(107,010)	0	0	(107,010)	0	0		
2.16 MARK & SPRING 190-AL	152,220	77,210			114,715		101,499	2,170	11,045	135,834	2,671	13,714	67,165	1,669	8,376		
2.17 PROV WORKER'S COMP	(3,895)	14,738			5,421		2,464	0	2,957	799	0	(4,694)	4,129	0	10,608		
2.18 SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	50,537	86,515			68,526		0	0	0	57,229	2,921	0	47,916	19,974	0		
2.19 ACCRD SUP EXC RETIR PLAN COSTS-SFAS 158	52,088	69,294			60,691		17,638	0	43,052	14,654	0	37,434	20,623	0	48,671		
2.20 ACCRD BK SUP SAVINGS PLAN EXP	(0)	(0)			0		0	0	(0)	0	0	(0)	0	0	0		
2.21 EMPLOYER SAVINGS PLAN MATCH	(0)	(0)			0		0	0	0	0	0	0	0	0	0		
2.22 ACCRUED PSI PLAN EXP	0	0			0		0	0	0	0	0	0	0	0	0		
2.23 STOCK BASED COMP-CAREER SHARES	(84,168)	(343,012)			(213,590)		(37,170)	0	(176,420)	(18,320)	0	(68,848)	(56,019)	0	(286,993)		
2.24 BK ACCR- UNCOL ACCTS	353,002	131,980			242,491		(102,486)	(7,331)	352,308	(205,464)	(4,189)	562,655	491	(10,473)	141,961		
2.25 PROV-TRADING CREDIT RISK - AL	(15,591)	(21,944)			(18,763)		0	0	0	(15,591)	0	0	(21,944)	0	0		
2.26 PROV-FAS 157 - AL	0	0			0		0	0	0	0	0	0	0	0	0		
2.27 ACCRD COMPANY INCENT PLAN-ENGAGE TO GAIN	0	0			0		0	0	0	0	0	0	0	0	0		
2.28 ACCRD COMPANY INCENT PLAN-ENGAGE TO GAIN	4,409,844	3,356,450			3,883,147		1,032,636	(17,673)	2,868,184	799,565	(118,201)	3,728,480	1,265,707	82,655	2,007,887		
2.29 ACCRD ENVIRONMENTAL LIAB-CURRENT	2,520	2,520			2,520		0	0	2,520	0	0	2,520	0	0	2,520		
2.30 ACCRD BOOK VACATION PAY	1,852,035	2,049,329			1,950,882		639,507	(56,131)	1,367,306	616,861	(59,967)	1,295,141	662,153	(52,295)	1,439,471		
2.31 BOOK LEASES REVERSED	51,264	197,198			124,216		(4,317)	0	128,533	(4,739)	0	56,003	(3,894)	0	201,062		
2.32 (ICDP)-INCENTIVE COMP DEFERRAL PLAN	86,237	109,848			98,042		2,405	0	95,638	2,321	0	83,916	2,488	0	107,360		
2.33 BK ACCR- COOK CT RENT HOLIDAY	(36,560)	(35,772)			(36,196)		0	0	(36,196)	0	0	(36,200)	0	0	(35,772)		
2.34 ACCRUED BK SEVERANCE BENEFITS	334,964	33,899			164,431		32,592	0	151,839	32,592	0	302,372	32,592	0	1,307		
2.35 ACCRUED INTEREST EXPENSE - STATE	0	0			0		0	0	0	0	0	0	0	0	0		
2.36 ACCRUED INTEREST-LONG-TERM - FIN 48	(114,849)	0			(57,424)		(28,770)	(11,434)	(17,220)	(57,540)	(22,899)	(34,440)	0	0	0		
2.37 ACCRUED INTEREST-SHORT-TERM - FIN 48	0	0			0		0	0	0	0	0	0	0	0	0		
2.38 ACCRUED STATE INCOME TAX EXP	29,674	0			14,837		0	(72,105)	86,942	-	(144,209)	173,883	-	-	-		
2.39 BK DFL RAIL TRANS REVEXP	0	0			0		0	0	0	0	0	0	0	0	0		
2.40 ACCRUED RTO CARRYING CHARGES	0	0			0		0	0	0	0	0	0	0	0	0		
2.41 PROV LOSS-CAR CHG-PURCHASD EMA	109,480	0			54,740		54,740	0	0	109,480	0	0	0	0	0		
2.42 DEF EQUITY CARRYING CHRG-S ENVIRON COMP COSTS	0	0			0		0	0	0	0	0	0	0	0	0		
2.43 FEDERAL MITIGATION PROGRAMS	854,708	565,589			710,149		710,149	0	0	854,708	0	0	565,589	0	0		
2.44 STATE MITIGATION PROGRAMS	(0)	(0)			0		0	0	0	0	0	0	0	0	0		
2.45 FICA - NON-CURRENT	1,189,808	671,385			930,596		364,049	0	566,547	465,836	0	723,972	262,262	0	409,122		
2.46 DEFED REV-EMR/MINTR CARBON CAPTURE-L/T	0	0			0		0	0	0	0	0	0	0	0	0		
2.47 DEFED BK CONTRACT REVENUE	40,282	17,408			28,845		0	28,845	0	40,282	0	0	17,408	0	0		
2.48 FICA - NON-CURRENT	46	46			46		0	46	0	46	0	46	0	0	46		
2.49 FK BK WRITE-OFF BLUE RDGE EASE	7,995	0			3,998		3,998	0	0	7,995	0	0	0	0	0		
2.50 FR BK WRITE-OFF BLUE RDGE EASE	9,329	0			4,664		4,664	0	0	9,329	0	0	0	0	0		
2.51 SV BK WRITE-OFF BLUE RDGE EASE	59,167	0			29,584		29,584	0	0	59,167	0	0	0	0	0		
2.52 CV BK WRITE-OFF BLUE RDGE EASE	3,704	0			1,852		1,852	0	0	3,704	0	0	0	0	0		
2.53 TAX - BOOK BASIS - EMA-AC 190	96,265	96,265			96,265		0	0	0	96,265	0	0	96,265	0	0		
2.54 DEFED TX LOSS-REPAIR SALE-EMA	228,014	228,014			228,014		0	0	0	228,014	0	0	228,014	0	0		
2.55 DEFED BOOK GAIN-EPIC AUCTION	(75,087)	0			(75,087)		0	0	0	(75,087)	0	0	0	0	0		
2.56 ADVANCE RENTAL INC (CUR MO)	390,761	376,442			383,601		0	1,117	382,485	0	0	390,761	0	2,233	374,209		
2.57 DEFERRED BOOKS-TAX	77,343	38,672			58,009		0	58,009	0	77,343	0	0	38,672	0	0		
2.58 REG LIAB-UNREAL MTM GAIN-DEF	1,096,233	5,845,959			3,471,096		3,471,096	0	0	1,096,233	0	0	5,845,959	0	0		
2.59 SECURITIZATION DEFED EQUITY INCOME - LONG-TERM	532,546	469,161			500,854		500,854	0	0	532,546	0	0	469,161	0	0		
2.60 CAPITALIZED SOFTWARE COSTS-TAX	22,725	41,919			32,322		331	(2)	31,799	652	(2)	22,075	410	(2)	41,511		
2.61 CAPITALIZED ADVERTISING EXP-TX	786,747	775,592			781,169		0	781,169	0	786,747	0	0	775,592	0	0		
2.62 ACCRD SFAS 106 PST RETIRE EXP	(15,137,843)	(18,203,448)			(16,870,646)		(8,554,606)	(1,436,495)	(6,879,545)	(7,762,248)	(1,306,777)	(6,068,818)	(9,346,964)	(1,568,212)	(7,290,272)		
2.63 SFAS 106 PST RETIRE EXP - NON-DEDUCT CONT	6,912,092	6,912,092			6,912,092		3,458,319	313,953	3,139,821	3,458,319	313,953	3,139,821	3,458,319	313,953	3,139,821		
2.64 ACCRD OPER COSTS - SFAS 158	(1,817,638)	(3,809,319)			(2,814,478)		(1,386,193)	110,173	(1,537,458)	(946,814)	148,387	(1,019,211)	(1,825,572)	71,959	(2,055,705)		
2.65 ACCRD SFAS 112 PST EMPLOY BEN	2,859,130	2,803,250			2,831,190		901,035	77,063	1,853,091	884,088	81,149	1,893,893	917,983	72,976	1,812,290		
2.66 ACCRD BOOK ARO EXPENSE - SFAS 143	63,221,841	62,440,191			62,838,796		72,815,009	6,447	214,308	63,020,629	6,280	194,962	82,208,432	6,643	233,656		
2.67 ACCRD BK ARO EXP - MTR CARBON CAPTURE	2,521,009	2,521,009			2,521,009		0	0	0	2,521,009	0	0	2,521,009	0	0		
2.68 BOOK OPERATING LEASE - ASSET	16,655,635	14,167,548			15,411,591		5,064,277	121,488	10,225,826	5,751,186	129,429	10,775,020	4,377,367	113,548	9,676,633		
2.69 SFAS 106 - MEDICARE SUBSIDY - NORM - (PPACA)	567	0			0		0	0	0	567	0	0	0	0	0		
2.70 GROSS RECEIPTS - TAX EXPENSE	0	0															

A	B	C	D	E	F	G	H	I		J		K	L	M	N		O	P	Q	R
TOTAL COMPANY BALANCES								1/1/2021 Beginning Balances		Balance Sheet Entries		Tax Expense Entries		12/31/2021 Ending Balance						
Line No.	Utility Account (NOTE A)	Description of Account	Protected Unprotected	Tax Rate Change Act	Excess / Deficient Balance at Remeasurement	Amortization Methodology (NOTE C)	Amortization Period	Excess / Deficient ADIT Regulatory Offset	Excess / Deficient ADIT in Utility Deferrals	Balance Sheet Account Reclassifications	182.3	254	410/411 Excess / Deficient Amortization NOTE C/NOTE F	410/411 Deferred Tax Expense/ (Benefit)	Excess / Deficient ADIT Regulatory Offset	Excess / Deficient ADIT in Utility Deferrals	Sum of Cols (I) - (O)	Reference		
<b>Deferred Tax Account (NOTE B)</b>																		Sum of Cols (I) - (O)		
1a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017				198,296,817					(19,599,237)				178,697,580	WS B - 2 Col B/C, ADIT Item 2.94		
1b	1904002	ADSIT - FAS 109 Excess	Unprotected	WVHB2026				-					129,889				129,889			
1c	2811001	ADFIT - Accel Amortization Property	Protected	TCJA 2017	(115,991,956)	ARAM	Life of Asset		(95,799,954)				3,607,778	(24,825)		(92,217,001)	WS B - 1, Col B/C, ADIT Item 2.06			
1d	2814001	ADFIT - Accel Amort FAS 109 Excess	Protected	TCJA 2017				95,799,954					(3,582,953)		92,217,001		WS B - 1 Cols M+N+O, ADIT Item 5.47			
1e	2821001	ADFIT - Utility Property	Protected	TCJA 2017	(568,878,716)	ARAM	Life of Asset		(429,147,857)				16,839,049	(341,026)		(412,649,833)	WS B - 1 Col C, Items 10.01			
1f	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017	(230,625,401)	10 Years	12/018 - 12/2027		(290,202,652)				48,095,310	-		(242,107,342)	WS B - 1 Col C, Items 10.01			
1g	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017				429,147,858					(16,498,024)			412,649,834	WS B - 1 Col C, Items 10.01			
1h	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017				290,202,651					(48,095,310)			242,107,341	WS B - 1 Col C, Items 10.01			
1i	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017	(12,804,071)	10 Years	12/018 - 12/2027		184,349,182				(5,829,224)	-		178,519,958	WS B - 1 Col C, Items 10.01			
1j	2831001	FBOS	Unprotected	WVHB2026					-					915,478		915,478				
1k	2831002	ADSIT - Other	Unprotected	WVHB2026					-				(4,359,417)			(4,359,417)				
1l	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017				(184,349,182)					5,829,224		(178,519,958)		WS B - 1 Col C/D, Item 10.06			
1m	2834002	ADSIT - Other FAS 109 Excess	Unprotected	WVHB2026					-				4,359,417		4,359,417					
<b>NOTE D</b>																				
<b>Regulatory Deferral Accounts</b>																				
2a	182.3	Regulatory Asset		TCJA 2017													-	Company Records		
2b	254	Regulatory Liability		TCJA 2017				(829,098,096)					81,946,300			(747,151,796)		Company Records		
2c	254.0002	Regulatory Liability - State Excess ADFIT		WVHB2026									(4,489,306)			(4,489,306)		Company Records		
2d	<b>NOTE D</b>																			
3	Total For Accounting Entries (Sum of Lines 1a through 2b)							2	(630,801,281)	-	-	-	(62,712,914)	3,809,789	2	(571,898,156)				
<b>TRANSMISSION FUNCTION BALANCES</b>																				
<b>Deferred Tax Account (NOTE B)</b>																		Sum of Cols (I) - (O)		
4a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017				58,522,562					(2,079,386)				56,443,176	Company Records		
4b	1904002	ADSIT - FAS 109 Excess	Unprotected	WVHB2026									27,253				27,253			
4c	2821001	ADFIT - Utility Property	Protected	TCJA 2017	(185,402,169)	ARAM	Life of Asset		(166,264,086)				3,935,838	(285,411)		(162,613,658)	WS B - 1, Col N, ADIT 5.47			
4d	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017	(29,860,604)	10 Years	12/018 - 12/2027		(61,321,305)				6,762,230			(52,559,075)	Company Records			
4e	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017				166,264,086					(3,650,428)			162,613,658	Company Records			
4f	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017				61,321,307					(6,762,230)			52,559,077	Company Records			
4g	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017	18,056,743	10 Years	12/018 - 12/2027		41,419,484				(5,797,930)			35,621,554	WS B - 1, Col N, Item 10.01			
4h	2831001	FBOS	Unprotected	WVHB2026					-					192,086		192,086				
4i	2831002	ADSIT - Other	Unprotected	WVHB2026					-				(914,692)			(914,692)				
4j	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017				(41,419,485)					5,797,930		(35,621,555)		Company Records			
4k	2834002	ADSIT - Other FAS 109 Excess	Unprotected	WVHB2026					-				914,692		914,692		Company Records			
4l	<b>NOTE D</b>																			
<b>Regulatory Deferral Accounts</b>																				
5a	182.3	Regulatory Asset		TCJA 2017													-	Company Records		
5b	254	Regulatory Liability		TCJA 2017				(244,688,470)					8,694,114			(235,994,356)		Company Records		
5c	254.0002	Regulatory Liability - State Excess ADFIT		WVHB2026					-				(941,945)			(941,945)		Company Records		
5d	<b>NOTE D</b>																			
6	Total For Accounting Entries (Sum of Lines 4a through 5b)							0	(186,165,907)	-	-	0	(6,900,138)	1,008,017	-	(180,273,786)				
<b>NOTE E</b>																				

GENERAL NOTE: ADIT Tax balances provided in the formula presented in Attachment H-14B are maintained on both a total company and transmission functional basis. Because both sets of numbers are presented in the formula, the information for excess and deficient ADIT is also presented for both total company and the transmission function on this worksheet. Account 281 only applies to the generation function, so is not presented in the transmission functional summary.

**TAX CUT and JOBS ACT of 2017**

A	B	C	D	E	F=E/C	G	H = E +G	I	J = C - H
Line No.	Utility Account	12/31/17 Pre-remeasurement Balance	Reference	Remeasurement Amount (NOTE 1)	Remeasurement Percentage (NOTE 2)	Adjustments (NOTE 3)	Total Excess/Deficiency by Account (NOTE 4)	Protected / Unprotected	ADIT Deferral After Remeasurement
<b>TOTAL COMPANY</b>									
1	190 - Utility	\$299,354,118	2018 FF1 P. 234 Col (b) Line 8						
2		<u>\$91,360</u>	Less: Deferred State Taxes						
3	1901001	\$299,262,758		114,925,971	38%	(114,925,971)	-		299,262,758
4	2811001	(289,979,890)	2018 FF1 P. 272 Col (b) Line 8	(115,991,956)	40%		(115,991,956)	Protected	(173,987,934)
5	2821001	(1,982,378,027)	2018 FF1 P. 274 Col (b) Line 5	(785,862,991)	40%	(13,641,126)	(568,878,716)	Protected	(1,182,873,910)
6	283 - Utility	(426,174,211)	2018 FF1 P. 276 Col (b) Line 9				(230,625,401)	Unprotected	
7		<u>(70,104,066)</u>	Less: Accrued Deferred State Tax						
8	2831001	(356,070,145)		(141,371,168)	40%	128,567,097	(12,804,072)	Unprotected	(343,266,073)
9	Total	<u>(2,329,165,304.11)</u>	(Sum of Lns. 3+4+5+8)	<u>(928,300,145)</u>		<u>-</u>	<u>(928,300,145)</u>		<u>(1,400,865,159)</u>
<b>TRANSMISSION FUNCTION</b>									
10	1901001	64,030,742	Company Records	25,564,248	40%	(25,564,248)	-		64,030,742
11	2821001	(532,673,986)	Company Records	(211,738,348)	40%	(3,524,425)	(185,402,169)	Protected	(317,411,213)
							(29,860,604)	Unprotected	
12	2831001	(27,241,045)	Company Records	(11,031,930)	40%	29,088,673	18,056,743	Unprotected	(45,297,788)
13	Total	<u>(495,884,289)</u>	(Sum of Lns. 10+11+12)	<u>(197,206,030)</u>		<u>-</u>	<u>(197,206,030)</u>		<u>(298,678,259)</u>

GENERAL NOTE: This worksheet will summarize remeasurement adjustments in ADIT Accounts for both the total company and transmission function required by changes in either Federal or State Income Tax Rates. A new sheet will be included in the working formula for each change to tax rates that may occur while this formula rate is in effect. New pages will be designated by incrementing the suffix letter in the workpaper name (i.e. B-3-A, B-3-B, etc.)

NOTE 1: Amount of remeasurement in Column E will be based on supporting workpapers showing the remeasurement of individual ADIT items in each tax deferral account, and will indicate whether each remeasured ADIT item will be treated as protected or unprotected. The resulting totals will be shown on this worksheet for each ADIT account.

NOTE 2: Remeasurement calculation may not equal 40% of the December 31, 2017 deferral balance because of specific ADIT items that are not subject to remeasurement.

NOTE 3: As part of the remeasurement calculation, the remeasurement ADIT balances in account 1901001 were reclassified to account 2831001 to group nonproperty utility deferrals together as one timing difference.

NOTE 4: Ties to each Operating Companies' Workpaper B-3, Column F, showing the initial remeasurement value determined as a result of the Tax Cut and Jobs Act of 2017.

AEP EAST OPERATING COMPANIES  
 APPALACHIAN POWER COMPANY  
 ATTACHMENT H-14B  
 WORKSHEET-B-3- B  
 TAX REMEASUREMENT WORKSHEET  
 Debit/(Credit)

**WV House Bill 2**

A	B	C	D
Line No.	Utility Account	2021 Pre-remeasurement Balance	Reference
<b>TOTAL COMPANY</b>			
1	190/282/283	-\$744,125,741	Total Fed Cumulative ADIT
2		43.256500%	New Apportionment Factor
3		6.500000%	WV State Tax Rate
4		(20,922,379)	WV SDIT Single Factor Apporti
5			
6		(744,125,741)	Total Fed Cumulative ADIT
7		52.269500%	Prior Apportionment Factor
8		6.500000%	WV State Tax Rate
9		(25,281,802)	WV SDIT Three Factor Apport
10			
11		4,359,423.4	Change in Methods (Ln 4 - Ln
12			Federal Offset (@ 21%)
13			
14			
15	Total	-\$25,281,802	Ln 9

**TRANSMISSION FUNCTION**

16	190/282/283	-\$156,132,408	Total Fed Cumulative ADIT
17		43.256500%	New Apportionment Factor
18		6.500000%	WV State Tax Rate
19		(4,389,932)	WV SDIT Single Factor Apporti
20			
21		(156,132,408)	Total Fed Cumulative ADIT
22		52.269500%	Prior Apportionment Factor
23		6.500000%	WV State Tax Rate
24		(5,304,626)	WV SDIT Three Factor Apport
25			
26		914,693.9	Change in Methods (Ln 19 - Lr
27			Federal Offset (@ 21%)

28

29

30	Total	<u><u>-5,304,626</u></u>	Ln 24
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GENERAL NOTE: This worksheet will summarize remeasurement adjustments in ADIT Account required by changes in either Federal or State Income Tax Rates. A new sheet will be included occur while this formula rate is in effect. New pages will be designated by incrementing the suffix

NOTE 1: Amount of remeasurement in Column E will be based on supporting workpapers showing deferral account, and will indicate whether each remeasured ADIT item will be treated shown on this worksheet for each ADIT account.

NOTE 2: Remeasurement calculation may not equal 0% of the December 31, 2021 deferral balance remeasurement.

NOTE 3: Not Applicable

NOTE 4: Ties to each Operating Companies' Workpaper B-3, Column F, showing the initial rate determined as a result of the WV HB 2026

**2026 - Revision of the WV Tax Apportionment Methodolgy from three Factor to One Factor**

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E	F=E/C	G
Remeasurement Amount (NOTE 1)	Remeasurement Percentage (NOTE 2)	Adjustments (NOTE 3)
onment (NEW)		
ionment Method (PRIOR)		
4,359,423.4 (915,479)	-17%	- -
<hr/> <hr/> 3,443,945		<hr/> <hr/> -

onment (NEW)

ionment Method (PRIOR)

914,693.9 (192,086)	-17%	- -
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722,608

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its for both the total company and transmission function  
in the working formula for each change to tax rates that may  
< letter in the workpaper name (i.e. B-3-A, B-3-B, etc.)

owing the remeasurement of individual ADIT items in each tax  
d as protected or unprotected. The resulting totals will be

alance because of specific ADIT items that are not subject to

neasurement value

H = E +G	I	J = C - H
Total Excess/Deficiency by Account (NOTE 4)	Protected / Unprotected	ADIT Deferral After Remesasurement
		-
4,359,423	Unprotected	(20,922,379)
(915,479)	Unprotected	-
<u>3,443,945</u>		<u>(20,922,379)</u>

		-
914,694	Unprotected	(4,389,932)
(192,086)	Unprotected	-

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722,608

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(4,389,932)

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

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
<b>Materials &amp; Supplies</b>								
Line Number	Source	Balance @ December 31, 2021	Balance @ December 31, 2020	Average Balance for 2021				
1								
2	Transmission Materials & Supplies	220,485	67,643	144,064				
3	General Materials & Supplies	393,051	297,940	345,496				
4	Stores Expense (Undistributed) - Account 163							

**Prepayment Balance Summary (Note 1)**

	Average of YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	
5							
6	Totals as of December 31, 2021	7,799,236	(254,098,273)	0	5,378,553	256,518,956	261,897,509
7	Totals as of December 31, 2020	6,969,431	(247,279,155)	-	4,916,565	249,332,021	254,248,586
8	<b>Average Balance</b>	<b>7,384,334</b>	<b>(250,688,714)</b>	<b>-</b>	<b>5,147,559</b>	<b>252,925,488</b>	<b>258,073,047</b>

**Prepayments Account 165 - Balance @ 12/31/2021**

Acc. No.	Description	2021 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
10	1650001 Prepaid Insurance	2,418,272	-	-	2,418,272	-	2,418,272	Plant Related Insurance Policies
11	165000219 Prepaid Taxes	0	-	-	-	-	-	Prepaid Taxes - Dist
12	165000220 Prepaid Taxes	0	-	-	-	-	-	Prepaid Taxes
13	165000221 Prepaid Taxes	1,855,668	1,855,668	-	-	-	-	Prepaid Interest
14	1650004 Prepaid Interest	21,595	-	-	-	-	-	Other prepayments - Gen
15	1650006 Other Prepayments	459,252	459,252	-	-	-	-	AR Factoring
16	1650009 Prepaid Carry Cost-Factored AR	71,218	-	-	-	-	-	Prepaid Coal
17	1650017 Prepayment - Coal	0	-	-	-	-	-	140,837,218
18	1650010 Prepaid Pension	140,837,218	-	-	-	-	-	140,837,218
19	1650014 FAS 158 Qual Contra Asset	(140,837,218)	(140,837,218)	-	-	-	-	SFAS 158 Offset
20	165001221 Prepaid Use Taxes	12,950	-	-	-	-	-	Prepaid Use Taxes Gen
21	1650016 FAS 112 ASSETS	0	-	-	-	-	-	2,519,366
22	1650021 Prepaid Insurance - EIS	2,519,366	-	-	2,519,366	-	2,519,366	Prepaid Insurance EIS
23	1650023 Prepaid Lease	440,915	-	-	440,915	-	440,915	Prepaid Lease
24	1650031 Prepaid OCIP Work Comp	0	-	-	-	-	-	-
25	1650032 Prepaid OCIP Work Comp LT	0	-	-	-	-	-	-
26	1650033 Prepaid OCIP Work Comp - Aff	0	-	-	-	-	-	-
27	1650034 PPD OCIP Work Comp LT - Aff	0	-	-	-	-	-	-
28	1650035 PRW Without MED-D Benefits	115,681,738	-	-	-	115,681,738	115,681,738	Pension Benefits - All functions
29	1650036 PRW for Med-D Benefits	0	-	-	-	-	-	-
30	1650037 FAS158 Contra-PRW Exclud Med-D	(115,681,738)	(115,681,738)	-	-	-	-	SFAS 158 Offset
31	<b>Subtotal - Form 1, p 111.57.c</b>	<b>7,799,236</b>	<b>(254,098,273)</b>	<b>0</b>	<b>5,378,553</b>	<b>256,518,956</b>	<b>261,897,509</b>	

**Prepayments Account 165 - Balance @ 12/31/2020**

Acc. No.	Description	2020 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
33	1650001 Prepaid Insurance	2,239,757	-	-	2,239,757	-	2,239,757	Plant Related Insurance Policies
34	165000218 Prepaid Taxes	0	-	-	-	-	-	Prepaid Taxes - Dist
35	165000219 Prepaid Taxes	0	-	-	-	-	-	Prepaid Taxes
36	165000220 Prepaid Taxes	1,371,856	1,371,856	-	-	-	-	Prepaid Interest
37	1650004 Prepaid Interest	22,559	-	-	-	-	-	Other prepayments - Gen
38	1650006 Other Prepayments	545,179	545,179	-	-	-	-	AR Factoring
39	1650009 Prepaid Carry Cost-Factored AR	98,273	-	-	-	-	-	Prepaid Coal
40	1650017 Prepayment - Coal	0	-	-	-	-	-	152,128,440
41	1650010 Prepaid Pension	152,128,440	-	-	-	-	-	152,128,440
42	1650014 FAS 158 Qual Contra Asset	(152,128,440)	(152,128,440)	-	-	-	-	SFAS 158 Offset
43	165001220 Prepaid Use Taxes	15,000	-	-	-	-	-	Prepaid Use Taxes Gen
44	1650016 FAS 112 ASSETS	0	-	-	-	-	-	2,482,591
45	1650021 Prepaid Insurance - EIS	2,482,591	-	-	2,482,591	-	2,482,591	Prepaid Insurance EIS
46	1650023 Prepaid Lease	194,218	-	-	194,218	-	194,218	Prepaid Lease
47	1650031 Prepaid OCIP Work Comp	0	-	-	-	-	-	-
48	1650032 Prepaid OCIP Work Comp LT	0	-	-	-	-	-	-
49	1650033 Prepaid OCIP Work Comp - Aff	0	-	-	-	-	-	-
50	1650034 PPD OCIP Work Comp LT - Aff	0	-	-	-	-	-	-
51	1650035 PRW Without MED-D Benefits	97,203,581	-	-	-	97,203,581	97,203,581	Pension Benefits - All functions
52	1650036 PRW for Med-D Benefits	0	-	-	-	-	-	-
53	1650037 FAS158 Contra-PRW Exclud Med-D	(97,203,581)	(97,203,581)	-	-	-	-	SFAS 158 Offset
54								
55	<b>Subtotal - Form 1, p 111.57.d</b>	<b>6,969,431</b>	<b>(247,279,155)</b>	<b>-</b>	<b>4,916,565</b>	<b>249,332,021</b>	<b>254,248,586</b>	

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

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

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2021</u>
1	Net Funds from IPP Customers 12/31/2020 (2021 FORM 1, P269)	(3,332,729)
2	Interest Accrual (Company Records - Note 1)	(38,895)
3	Revenue Credits to Generators (Company Records - Note 1)	0
4	<u>Other Adjustments</u>	
5	Accounting Adjustment (Company Records - Note 1)	3,226,372
6		-
7	Net Funds from IPP Customers 12/31/2021 (2021 FORM 1, P269)	(145,252)
8	Average Balance for Year as Indicated in Column B ((ln 1 + ln 7)/2)	(1,738,991)

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

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

<u>Line Number</u>	<u>Description</u>	<u>Total Company</u>	<u>Non-Transmission</u>	<u>Transmission</u>
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)	6,272,184	6,272,184	
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)	2,206,090	1,959,144	246,947
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	21,832,186	17,081,592	4,750,594
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)	9,046,571	6,665,073	2,381,498
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	171,744,836	171,744,836	-
5a	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)		-	
5b	Account 457.2, Miscellaneous Revenues (FF1 p.300.24.(b); Company Records - Note 1)		-	
6	Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b)))	211,101,867	203,722,828	7,379,039
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	211,101,867	203,722,828	7,379,039

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

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

9	Facility Credits under PJM OATT Section 30.9			-
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AEP East Companies  
 Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
 Worksheet F Supporting Allocation of Specific O&M or A&G Expenses  
 Appalachian Power Company

<u>Line Number</u>	<u>(A) Item No.</u>	<u>(B) Description</u>	<u>(C) 2021 Expense</u>	<u>(D) 100% Non-Transmission</u>	<u>(E) 100% Transmission Specific</u>	<u>(F) Explanation</u>
<b>Regulatory O&amp;M Deferrals &amp; Amortizations</b>						
1	5660007	Virginia T-RAC UnderRecovery	(18,477,424)			
2						
3						
4		<b>Total</b>	<b>(18,477,424)</b>			
<b>Detail of Account 561 Per FERC Form 1</b>						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	0			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	2,043,828			
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	6,341,973			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	782,506			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	0			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	0			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	1,852,032			
14		<b>Total of Account 561</b>	<b>11,020,339</b>			
<b>Account 928</b>						
15	9280000	Regulatory Commission Exp	5,112,477	3,809,949	1,302,528	
16	9280001	Regulatory Commission Exp-Adm	2,242,566	2,242,566	-	
17	9280002	Regulatory Commission Exp-Case	3,104,766	3,104,766	-	
18	9280003	Rate Case Amort	177,879	177,879	-	
19	9280005	Reg Com Exp-FERC Trans Cases	57,420	2,931	54,490	
20		<b>Total (FERC Form 1 p.323.189.b)</b>	<b>10,695,109</b>	<b>9,338,091</b>	<b>1,357,018</b>	
<b>Account 930.1</b>						
21	9301000	General Advertising Expenses	31,464	31,464	-	
22	9301001	Newspaper Advertising Space	441,502	441,502	-	
23	9301002	Radio Station Advertising Time	45,654	45,654	-	
24	9301003	TV Station Advertising Time	225	225	-	
25	9301004	Newspaper Advertising Prod Exp	34,625	34,625	-	
26	9301007	Special Adv Space & Prod Exp	14,105	14,105	-	
27	9301010	Publicity	168	168	-	
28	9301012	Public Opinion Surveys	123,819	123,819	-	
29	9301014	Video Communications	624	624	-	
30	9301015	Other Corporate Comm Exp	35,911	35,911	-	
31						
32						
33						
34						
35						
36						
37		<b>Total (FERC Form 1 p.323.191.b)</b>	<b>728,098</b>	<b>728,098</b>	<b>-</b>	
<b>Account 930.2</b>						
38	9302000	Misc General Expenses	1,317,242	1,317,242	-	
39	9302003	Corporate & Fiscal Expenses	317,258	317,258	-	
40	9302004	Research, Develop&Demonstr Exp	1,633	1,633	-	
41	9302006	Assoc Bus Dev - Materials Sold	492,759	492,759	-	
42	9302007	Assoc Business Development Exp	5,630,353	2,829,375	2,800,978	
43	9302017	SellingPrice Normalization Exp	(1)	(1)	-	
44		<b>Total (FERC Form 1 p.323.192.b)</b>	<b>7,759,245</b>	<b>4,958,267</b>	<b>2,800,978</b>	

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

Tennessee Income Tax Rate	6.50%	
Apportionment Factor - Note 2	2.21%	
Effective State Tax Rate		0.14%
West Virginia Net Income Tax Rate	6.50%	
Apportionment Factor - Note 2	52.62%	
Effective State Tax Rate		3.42%
Virginia Income Tax Rate	0.00%	
Apportionment Factor - Note 2	41.99%	
Effective State Tax Rate		0.00%
Ohio Franchise Tax Rate	0.00%	
Phase-out Factor Note 1	0.00%	
Apportionment Factor - Note 2	0.00%	
Effective State Tax Rate		0.00%
Michigan Business Income Tax Rate	6.00%	
Apportionment Factor - Note 2	0.01%	
Effective State Tax Rate		0.00%
Illinois Corporation Income Tax Rate	9.50%	
Apportionment Factor - Note 2	0.27%	
Effective State Tax Rate		0.03%
Total Effective State Income Tax Rate		<u>3.59%</u>

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

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

Line No.	(A) Account	(B) Total Company NOTE 1	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	<b>Revenue Taxes</b>					
2	Gross Receipts Tax	15,507				15,507
3	<b>Real Estate and Personal Property Taxes</b>					
4	Real and Personal Property - West Virginia	51,230,850	51,230,850			
5	Real and Personal Property - Virginia	27,080,570	27,080,570			
6	Real and Personal Property - Tennessee	1,453,196	1,453,196			
7	Real and Personal Property - Other Jurisdictions	1,419,993	1,419,993			
8	<b>Payroll Taxes</b>					
9	Federal Insurance Contribution (FICA )	7,704,154		7,704,154		
10	Federal Unemployment Tax	47,778		47,778		
11	State Unemployment Insurance	156,119		156,119		
12	<b>Production Taxes</b>					
13	State Severance Taxes	-				-
14	<b>Miscellaneous Taxes</b>					
15	State Business & Occupation Tax	52,237,561				52,237,561
16	State Public Service Commission Fees	-			-	
17	State Franchise Taxes	221,694			221,694	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	7,154,915			7,154,915	
20	Sales & Use	85				85
21	Federal Excise Tax	16,433				16,433
22	CR Audit	-				-
23						
24	Total Taxes by Allocable Basis	148,738,855	81,184,609	7,908,051	7,376,609	52,269,586

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

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

**Functional Property Tax Allocation**

	Production	Transmission	Distribution	General	Total	
25	Functionalized Net Plant (TCOS, Lns 41 thru 46)	3,548,494,405	3,240,742,274	2,992,700,662	255,943,132	10,037,880,474
<b>VIRGINIA JURISDICTION</b>						
26	Percentage of Plant in VIRGINIA JURISDICTION	15.18%	60.36%	55.60%	53.62%	
27	Net Plant in VIRGINIA JURISDICTION (Ln 25 * Ln 26)	538,523,450	1,955,951,567	1,664,042,790	137,247,432	4,295,765,238
28	Less: Net Value of Exempted Generation Plant	\$39,712,288				
29	Taxable Property Basis (Ln 27 - Ln 28)	498,811,162	1,955,951,567	1,664,042,790	137,247,432	4,256,052,950
30	Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
31	Weighted Net Plant (Ln 29 * Ln 30)	498,811,162	1,955,951,567	1,664,042,790	137,247,432	
32	General Plant Allocator (Ln 31 / (Total - General Plant))	12.11%	47.49%	40.40%	-100.00%	
33	Functionalized General Plant (Ln 32 * General Plant)	16,621,458	65,176,500	55,449,474	(137,247,432)	-
34	Weighted VIRGINIA JURISDICTION Plant (Ln 31 + 33)	515,432,620	2,021,128,067	1,719,492,264	0	4,256,052,950
35	Functional Percentage (Ln 34/Total Ln 34)	12.11%	47.49%	40.40%		
<b>WEST VA JURISDICTION</b>						
36	Percentage of Plant in WEST VA JURISDICTION	71.86%	37.17%	44.40%	46.24%	
37	Net Plant in WEST VA JURISDICTION (Ln 25 * Ln 36)	2,550,034,213	1,204,668,330	1,328,628,324	118,360,274	5,201,691,141
38	Less: Net Value of Exempted Generation Plant	\$1,723,733,838				
39	Taxable Property Basis (Ln 37 - Ln 38)	826,300,375	1,204,668,330	1,328,628,324	118,360,274	3,477,957,303
40	Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
41	Weighted Net Plant (Ln 39 * Ln 40)	826,300,375	1,204,668,330	1,328,628,324	118,360,274	
42	General Plant Allocator (Ln 41 / (Total - General Plant))	24.60%	35.86%	39.55%	-100.00%	
43	Functionalized General Plant (Ln 42 * General Plant)	29,110,973	42,441,064	46,808,236	(118,360,274)	-
44	Weighted WEST VA JURISDICTION Plant (Ln 41 + 43)	855,411,348	1,247,109,395	1,375,436,560	(0)	3,477,957,303
45	Functional Percentage (Ln 44/Total Ln 44)	24.60%	35.86%	39.55%		
<b>TENNESSEE JURISDICTION</b>						
46	Net Plant in TENNESSEE JURISDICTION (Ln 25 - Ln 27 - Ln 37)	459,936,742	80,122,377	29,548	335,427	540,424,095
47	Less: Net Value Exempted Generation Plant					
48	Taxable Property Basis	459,936,742	80,122,377	29,548	335,427	540,424,095
49	Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
50	Weighted Net Plant (Ln 48 * Ln 49)	459,936,742	80,122,377	29,548	335,427	
51	General Plant Allocator (Ln 50 / (Total - General Plant)	85.16%	14.84%	0.01%	-100.00%	
52	Functionalized General Plant (Ln 52 * General Plant)	285,648	49,761	18	(335,427)	
53	Weighted TENNESSEE JURISDICTION Plant (Ln 50 + 52)	460,222,390	80,172,138	29,566	(0)	540,424,095
54	Functional Percentage (Ln 53/Total Ln 53)	85.16%	14.84%	0.01%		

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

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference			
1	<b>Revenue Taxes</b>						
2	Gross Receipts Tax	15,507	(24,580) 40,087	pg. 263, In. 97 (I) pg. 263, In. 98 (I)			
Line No.	(A) Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)	(B) Tax Year	(C) Total Company	(D) FERC FORM 1 Tie-Back	(E) FERC FORM 1 Reference	(F) Tax Year Factor (Note 2)	(G) Transmission Function (Note 2)
3	<b>Real Estate and Personal Property Taxes Total (Ln 4 + Ln 5 + Ln 6 + Ln 7)</b>		81,184,609				28,294,969
4	Real and Personal Property - West Virginia	2019 2020 2021	51,230,850	25,425,095 25,708,038 97,717	pg. 263, In. 25 (I) pg. 263, In. 26 (I) pg. 263, In. 27 (I)	28.38% 29.63% 35.86%	14,867,209 7,215,642 7,616,528 35,039 -
5	Real and Personal Property - Virginia	2019 2020 2021	27,080,570	943 348,540 26,731,087	pg. 263, In. 22 (I) pg. 263, In. 23 (I) pg. 263, In. 24 (I)	46.07% 48.42% 47.49%	12,863,345 434 168,767 12,694,144 -
6	Real and Personal Property - Tennessee	2020 2021	1,453,196	(14,778) 1,467,974	pg. 263, In. 20 (I) pg. 263, In. 21 (I)	52.19% 14.84%	210,062 (7,713) 217,775 -
7	Real and Personal Property - Other Jurisdictions	2019 2020	1,419,993	(556,846) 1,976,839	pg. 263, In. 18 (I) pg. 263, In. 19 (I)	23.41% 24.52%	354,353 (130,348) 484,701 -
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	<b>Payroll Taxes</b>						
9	Federal Insurance Contribution (FICA)	7,704,154	7,704,154	pg. 263, In. 112 (I)			
10	Federal Unemployment Tax	47,778	47,778	pg. 263, In. 31 (I)			
11	State Unemployment Insurance	156,119	(3) 2,324 29,575 124,223	pg. 263, In. 32 (I) pg. 263, In. 33 (I) pg. 263, In. 34 (I) pg. 263, In. 35 (I)			
12	<b>Production Taxes</b>						
13	State Severance Taxes	-					
14	<b>Miscellaneous Taxes</b>						
15	State Business & Occupation Tax	52,237,561	(162,937) 38,031,196 14,369,302	pg. 263, In. 104 (I) pg. 263, In. 105 (I) pg. 263, In. 5 (I)			
16	State Public Service Commission Fees	-					
17	State Franchise Taxes	221,694	221,694	pg. 263, In. 95 (I)			
18	State Lic/Registration Fee	-					
19	Misc. State and Local Tax	7,154,915	9,185,822 (1,625,253) (186,736) (218,918)	pg. 263, In. 103 (I) pg. 263, In. 101 (I) pg. 263, In. 102 (I) pg. 263, In. 99 (I)			
20	Sales & Use	85	85	pg. 263, In. 47 (I)			
21	Federal Excise Tax	16,433	16,433	pg. 263, In. 80 (I)			
22	CR Audit	-					
23	Total Taxes by Allocable Basis	148,738,855	148,738,855				

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

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

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

**AEP East Companies**  
**Cost of Service Formula Rate Using 2021 FF1 Balances**  
**Worksheet I RESERVED FOR FUTURE USE**  
**Appalachian Power Company**

AEP East Companies  
 Cost of Service Formula Rate Using 2021 FF1 Balances  
 Worksheet K Supporting Calculation of TRUE-UP PJM RTEP Project Revenue Requirement Billed to Benefiting Zones  
 Appalachian Power Company

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

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

ROE w/o incentives (TCOS, ln 156)			10.35%
Project ROE Incentive Adder			0
ROE with additional 0 basis point incentive			10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 154 through 156)			
	%	Cost	Weighted cost
Long Term Debt	52.41%	4.63%	2.425%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	47.59%	10.35%	4.926%
		R =	7.351%

SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR RTEPPROJECTS				
TRUE-UP YEAR	2021	Rev Require	W Incentives	Incentive Amounts
	As Projected in Prior Year WS J	\$ 27,060,777	\$ 27,060,777	\$ -
	Actual after True-up	\$ 28,366,903	\$ 28,366,903	\$ -
	True-up of ARR For 2021	1,306,126	1,306,126	-

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

Rate Base (TCOS, ln 68)	2,679,408,898
R (from A. above)	7.351%
Return (Rate Base x R)	196,952,851

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

Return (from B. above)	196,952,851
Effective Tax Rate (TCOS, ln 114)	20.97%
Income Tax Calculation (Return x CIT)	41,303,273
ITC Adjustment	3,153
Excess Deferred Income Tax	(6,558,827)
Tax Affect of Permanent Differences	2,933,360
Income Taxes	37,680,960

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)	423,154,266
Lease Payments (TCOS, ln 95)	-
Return (TCOS, ln 126)	196,952,851
Income Taxes (TCOS, ln 125)	37,680,960
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	188,520,455

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

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	188,520,455
Return (from I.B. above)	196,952,851
Income Taxes (from I.C. above)	37,680,960
Annual Revenue Requirement, with 0 Basis Point ROE increase	423,154,266
Depreciation (TCOS, ln 100)	85,622,498
Annual Rev. Req. w/ 0 Basis Point ROE increase, less Depreciation	337,531,768

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

Net Transmission Plant (TCOS, ln 42)	3,181,551,301
Annual Revenue Requirement, with 0 Basis Point ROE increase	423,154,266
FCR with 0 Basis Point increase in ROE	13.30%
Annual Rev. Req. w/ 0 Basis Point ROE increase, less Dep.	337,531,768
FCR with 0 Basis Point ROE increase, less Depreciation	10.61%
FCR less Depreciation (TCOS, ln 10)	10.61%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2021 (TCOS, ln 21)	3,943,583,754
Annual Depreciation and Amortization Expense (TCOS, ln 100)	85,622,498
Composite Depreciation Rate	2.17%
Depreciable Life for Composite Depreciation Rate	46.06
Round to nearest whole year	46

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: b0318 (Amos 765/138 kV Transformer)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	1,322,366	1,322,366	-
Prior Yr True-Up	1,349,244	1,349,244	-
True-Up Adjustment	26,878	26,878	-

Details		Current Year	2021
Investment	13,789,272		
Service Year (yyyy)	2008	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	299,767

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up w/o Incentives	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2008	13,789,272	149,883	13,639,388	13,714,330	1,604,841	1,604,841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2009	13,639,388	299,767	13,339,621	13,489,505	1,730,873	1,730,873	\$ -	\$ 1,124,469	\$ 606,403	\$ -	\$ 606,403	\$ -
2010	13,339,621	299,767	13,039,855	13,189,738	1,699,070	1,699,070	\$ -	\$ 2,027,403	\$ (328,333)	\$ 2,027,403	\$ (328,333)	\$ -
2011	13,039,855	299,767	12,740,088	12,889,971	1,667,268	1,667,268	\$ -	\$ 2,050,107	\$ (382,839)	\$ 2,050,107	\$ (382,839)	\$ -
2012	12,740,088	299,767	12,440,321	12,590,204	1,635,465	1,635,465	\$ -	\$ 1,906,118	\$ (270,653)	\$ 1,906,118	\$ (270,653)	\$ -
2013	12,440,321	299,767	12,140,554	12,290,438	1,603,663	1,603,663	\$ -	\$ 1,915,150	\$ (311,487)	\$ 1,915,150	\$ (311,487)	\$ -
2014	12,140,554	299,767	11,840,788	11,990,671	1,571,861	1,571,861	\$ -	\$ 1,778,172	\$ (206,311)	\$ 1,778,172	\$ (206,311)	\$ -
2015	11,840,788	299,767	11,541,021	11,690,904	1,540,058	1,540,058	\$ -	\$ 1,790,894	\$ (250,836)	\$ 1,790,894	\$ (250,836)	\$ -
2016	11,541,021	299,767	11,241,254	11,391,137	1,508,256	1,508,256	\$ -	\$ 1,719,834	\$ (211,578)	\$ 1,719,834	\$ (211,578)	\$ -
2017	11,241,254	299,767	10,941,487	11,091,371	1,476,454	1,476,454	\$ -	\$ 1,743,200	\$ (266,746)	\$ 1,743,200	\$ (266,746)	\$ -
2018	10,941,487	299,767	10,641,720	10,791,604	1,444,651	1,444,651	\$ -	\$ 1,501,804	\$ (57,153)	\$ 1,501,804	\$ (57,153)	\$ -
2019	10,641,720	299,767	10,341,954	10,491,837	1,412,849	1,412,849	\$ -	\$ 1,444,867	\$ (32,018)	\$ 1,444,867	\$ (32,018)	\$ -
2020	10,341,954	299,767	10,042,187	10,192,070	1,381,047	1,381,047	\$ -	\$ 1,375,796	\$ 5,251	\$ 1,375,796	\$ -	\$ 5,251
2021	10,042,187	299,767	9,742,420	9,892,304	1,349,244	1,349,244	\$ -	\$ 1,322,366	\$ 26,878	\$ 1,322,366	\$ -	\$ 26,878
2022	9,742,420	299,767	9,442,653	9,592,537	1,317,442	1,317,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	9,442,653	299,767	9,142,887	9,292,770	1,285,640	1,285,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	9,142,887	299,767	8,843,120	8,993,003	1,253,837	1,253,837	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	8,843,120	299,767	8,543,353	8,693,236	1,222,035	1,222,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	8,543,353	299,767	8,243,586	8,393,470	1,190,233	1,190,233	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	8,243,586	299,767	7,943,819	8,093,703	1,158,430	1,158,430	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	7,943,819	299,767	7,644,053	7,793,936	1,126,628	1,126,628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	7,644,053	299,767	7,344,286	7,494,169	1,094,826	1,094,826	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	7,344,286	299,767	7,044,519	7,194,403	1,063,023	1,063,023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	7,044,519	299,767	6,744,752	6,894,636	1,031,221	1,031,221	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	6,744,752	299,767	6,444,986	6,594,869	999,418	999,418	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	6,444,986	299,767	6,145,219	6,295,102	967,616	967,616	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	6,145,219	299,767	5,845,452	5,995,335	935,814	935,814	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	5,845,452	299,767	5,545,685	5,695,569	904,011	904,011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	5,545,685	299,767	5,245,919	5,395,802	872,209	872,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	5,245,919	299,767	4,946,152	5,096,035	840,407	840,407	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	4,946,152	299,767	4,646,385	4,796,268	808,604	808,604	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	4,646,385	299,767	4,346,618	4,496,502	776,802	776,802	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	4,346,618	299,767	4,046,851	4,196,735	745,000	745,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	4,046,851	299,767	3,747,085	3,896,968	713,197	713,197	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	3,747,085	299,767	3,447,318	3,597,201	681,395	681,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	3,447,318	299,767	3,147,551	3,297,435	649,593	649,593	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	3,147,551	299,767	2,847,784	2,997,668	617,790	617,790	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	2,847,784	299,767	2,548,018	2,697,901	585,988	585,988	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	2,548,018	299,767	2,248,251	2,398,134	554,186	554,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	2,248,251	299,767	1,948,484	2,098,367	522,383	522,383	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	1,948,484	299,767	1,648,717	1,798,601	490,581	490,581	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	1,648,717	299,767	1,348,950	1,498,834	458,779	458,779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	1,348,950	299,767	1,049,184	1,199,067	426,976	426,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	1,049,184	299,767	749,417	899,300	395,174	395,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	749,417	299,767	449,650	599,534	363,371	363,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	449,650	299,767	149,883	299,767	331,569	331,569	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	149,883	-	-	74,942	157,834	157,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	13,789,272				48,167,612	48,167,612						

\*\* 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.

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: b1712.2 (Altavista-Leesville 138kV line)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	256,948	256,948	-
Prior Yr True-Up	262,287	262,287	-
True-Up Adjustment	5,339	5,339	-

Details		2021
Investment	2,476,289	Current Year
Service Year (yyyy)	2011	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	12	FCR w/o incentives, less depreciation
Useful life	46	FCR w/incentives approved for these facilities, less dep.
CIAC (Yes or No)	No	Annual Depreciation Expense

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement ##	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP 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 **
2011	2,476,289	-	2,476,289	2,476,289	262,710	262,710	\$ -	\$ -	\$ -	\$ -	\$ -
2012	2,476,289	53,832	2,422,456	2,449,373	313,687	313,687	\$ -	\$ 39,854	\$ 273,833	\$ 39,854	\$ 273,833
2013	2,422,456	53,832	2,368,624	2,395,540	307,976	307,976	\$ -	\$ 41,778	\$ 266,198	\$ 41,778	\$ 266,198
2014	2,368,624	53,832	2,314,792	2,341,708	302,265	302,265	\$ -	\$ 36,470	\$ 265,795	\$ 36,470	\$ 265,795
2015	2,314,792	53,832	2,260,959	2,287,876	296,554	296,554	\$ -	\$ 36,769	\$ 259,785	\$ 36,769	\$ 259,785
2016	2,260,959	53,832	2,207,127	2,234,043	290,843	290,843	\$ -	\$ 35,308	\$ 255,540	\$ 35,308	\$ 255,540
2017	2,207,127	53,832	2,153,295	2,180,211	285,132	285,132	\$ -	\$ 331,151	\$ (46,019)	\$ 331,151	\$ (46,019)
2018	2,153,295	53,832	2,099,462	2,126,378	279,421	279,421	\$ -	\$ 279,967	\$ (546)	\$ 279,967	\$ (546)
2019	2,099,462	53,832	2,045,630	2,072,546	273,709	273,709	\$ -	\$ 289,092	\$ (15,383)	\$ 289,092	\$ (15,383)
2020	2,045,630	53,832	1,991,798	2,018,714	267,998	267,998	\$ -	\$ 263,834	\$ 4,164	\$ 263,834	\$ 4,164
2021	1,991,798	53,832	1,937,965	1,964,881	262,287	262,287	\$ -	\$ 256,948	\$ 5,339	\$ 256,948	\$ 5,339
2022	1,937,965	53,832	1,884,133	1,911,049	256,576	256,576	\$ -	\$ -	\$ -	\$ -	\$ -
2023	1,884,133	53,832	1,830,300	1,857,217	250,865	250,865	\$ -	\$ -	\$ -	\$ -	\$ -
2024	1,830,300	53,832	1,776,468	1,803,384	245,154	245,154	\$ -	\$ -	\$ -	\$ -	\$ -
2025	1,776,468	53,832	1,722,636	1,749,552	239,443	239,443	\$ -	\$ -	\$ -	\$ -	\$ -
2026	1,722,636	53,832	1,668,803	1,695,720	233,732	233,732	\$ -	\$ -	\$ -	\$ -	\$ -
2027	1,668,803	53,832	1,614,971	1,641,887	228,021	228,021	\$ -	\$ -	\$ -	\$ -	\$ -
2028	1,614,971	53,832	1,561,139	1,588,055	222,310	222,310	\$ -	\$ -	\$ -	\$ -	\$ -
2029	1,561,139	53,832	1,507,306	1,534,222	216,599	216,599	\$ -	\$ -	\$ -	\$ -	\$ -
2030	1,507,306	53,832	1,453,474	1,480,390	210,887	210,887	\$ -	\$ -	\$ -	\$ -	\$ -
2031	1,453,474	53,832	1,399,642	1,426,558	205,176	205,176	\$ -	\$ -	\$ -	\$ -	\$ -
2032	1,399,642	53,832	1,345,809	1,372,725	199,465	199,465	\$ -	\$ -	\$ -	\$ -	\$ -
2033	1,345,809	53,832	1,291,977	1,318,893	193,754	193,754	\$ -	\$ -	\$ -	\$ -	\$ -
2034	1,291,977	53,832	1,238,144	1,265,061	188,043	188,043	\$ -	\$ -	\$ -	\$ -	\$ -
2035	1,238,144	53,832	1,184,312	1,211,228	182,332	182,332	\$ -	\$ -	\$ -	\$ -	\$ -
2036	1,184,312	53,832	1,130,480	1,157,396	176,621	176,621	\$ -	\$ -	\$ -	\$ -	\$ -
2037	1,130,480	53,832	1,076,647	1,103,564	170,910	170,910	\$ -	\$ -	\$ -	\$ -	\$ -
2038	1,076,647	53,832	1,022,815	1,049,731	165,199	165,199	\$ -	\$ -	\$ -	\$ -	\$ -
2039	1,022,815	53,832	968,983	995,899	159,488	159,488	\$ -	\$ -	\$ -	\$ -	\$ -
2040	968,983	53,832	915,150	942,066	153,776	153,776	\$ -	\$ -	\$ -	\$ -	\$ -
2041	915,150	53,832	861,318	888,234	148,065	148,065	\$ -	\$ -	\$ -	\$ -	\$ -
2042	861,318	53,832	807,485	834,402	142,354	142,354	\$ -	\$ -	\$ -	\$ -	\$ -
2043	807,485	53,832	753,653	780,569	136,643	136,643	\$ -	\$ -	\$ -	\$ -	\$ -
2044	753,653	53,832	699,821	726,737	130,932	130,932	\$ -	\$ -	\$ -	\$ -	\$ -
2045	699,821	53,832	645,988	672,905	125,221	125,221	\$ -	\$ -	\$ -	\$ -	\$ -
2046	645,988	53,832	592,156	619,072	119,510	119,510	\$ -	\$ -	\$ -	\$ -	\$ -
2047	592,156	53,832	538,324	565,240	113,799	113,799	\$ -	\$ -	\$ -	\$ -	\$ -
2048	538,324	53,832	484,491	511,407	108,088	108,088	\$ -	\$ -	\$ -	\$ -	\$ -
2049	484,491	53,832	430,659	457,575	102,377	102,377	\$ -	\$ -	\$ -	\$ -	\$ -
2050	430,659	53,832	376,827	403,743	96,666	96,666	\$ -	\$ -	\$ -	\$ -	\$ -
2051	376,827	53,832	322,994	349,910	90,954	90,954	\$ -	\$ -	\$ -	\$ -	\$ -
2052	322,994	53,832	269,162	296,078	85,243	85,243	\$ -	\$ -	\$ -	\$ -	\$ -
2053	269,162	53,832	215,329	242,246	79,532	79,532	\$ -	\$ -	\$ -	\$ -	\$ -
2054	215,329	53,832	161,497	188,413	73,821	73,821	\$ -	\$ -	\$ -	\$ -	\$ -
2055	161,497	53,832	107,665	134,581	68,110	68,110	\$ -	\$ -	\$ -	\$ -	\$ -
2056	107,665	53,832	53,832	80,749	62,399	62,399	\$ -	\$ -	\$ -	\$ -	\$ -
2057	53,832	53,832	0	26,916	56,688	56,688	\$ -	\$ -	\$ -	\$ -	\$ -
2058	-	0	-	0	0	0	\$ -	\$ -	\$ -	\$ -	\$ -
2059	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2060	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals		2,476,289			8,781,335	8,781,335	-				

\*\* 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: b2020 (Rebuild Amos-Kanawha River 138 kV corridor)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	3,141,410	3,141,410	-
Prior Yr True-Up	3,207,654	3,207,654	-
True-Up Adjustment	66,243	66,243	-

Details		2021
Investment	28,572,967	Current Year
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	9	FCR w/o incentives, less depreciation
Useful life	46	FCR w/incentives approved for these facilities, less dep.
CIAC (Yes or No)	No	Annual Depreciation Expense

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	28,572,967	155,288	28,417,679	28,495,323	3,178,366	3,178,366	\$ -	\$ 184,681	2,993,685	\$ 184,681	2,993,685	\$ -
2015	28,417,679	621,151	27,796,528	28,107,104	3,603,043	3,603,043	\$ -	\$ 1,644,963	1,958,080	\$ 1,644,963	1,958,080	\$ -
2016	27,796,528	621,151	27,175,376	27,485,952	3,537,145	3,537,145	\$ -	\$ 1,563,801	1,973,344	\$ 1,563,801	1,973,344	\$ -
2017	27,175,376	621,151	26,554,225	26,864,801	3,471,247	3,471,247	\$ -	\$ 2,152,715	1,318,532	\$ 2,152,715	1,318,532	\$ -
2018	26,554,225	621,151	25,933,074	26,243,649	3,405,348	3,405,348	\$ -	\$ 1,909,994	1,495,354	\$ 1,909,994	1,495,354	\$ -
2019	25,933,074	621,151	25,311,922	25,622,498	3,339,450	3,339,450	\$ -	\$ 1,902,485	1,436,965	\$ 1,902,485	1,436,965	\$ -
2020	25,311,922	621,151	24,690,771	25,001,346	3,273,552	3,273,552	\$ -	\$ 2,304,571	968,981	\$ 2,304,571	968,981	\$ -
2021	24,690,771	621,151	24,069,619	24,380,195	3,207,654	3,207,654	\$ -	\$ 3,141,410	66,243	\$ 3,141,410	66,243	\$ -
2022	24,069,619	621,151	23,448,468	23,759,043	3,141,756	3,141,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	23,448,468	621,151	22,827,316	23,137,892	3,075,858	3,075,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	22,827,316	621,151	22,206,165	22,516,741	3,009,959	3,009,959	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	22,206,165	621,151	21,585,013	21,895,589	2,944,061	2,944,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	21,585,013	621,151	20,963,862	21,274,438	2,878,163	2,878,163	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	20,963,862	621,151	20,342,710	20,653,286	2,812,265	2,812,265	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	20,342,710	621,151	19,721,559	20,032,135	2,746,367	2,746,367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	19,721,559	621,151	19,100,407	19,410,983	2,680,469	2,680,469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	19,100,407	621,151	18,479,256	18,789,832	2,614,571	2,614,571	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	18,479,256	621,151	17,858,105	18,168,680	2,548,672	2,548,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	17,858,105	621,151	17,236,953	17,547,529	2,482,774	2,482,774	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	17,236,953	621,151	16,615,802	16,926,377	2,416,876	2,416,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	16,615,802	621,151	15,994,650	16,305,226	2,350,978	2,350,978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	15,994,650	621,151	15,373,499	15,684,074	2,285,080	2,285,080	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	15,373,499	621,151	14,752,347	15,062,923	2,219,182	2,219,182	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	14,752,347	621,151	14,131,196	14,441,771	2,153,283	2,153,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	14,131,196	621,151	13,510,044	13,820,620	2,087,385	2,087,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	13,510,044	621,151	12,888,893	13,199,469	2,021,487	2,021,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	12,888,893	621,151	12,267,741	12,578,317	1,955,589	1,955,589	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	12,267,741	621,151	11,646,590	11,957,166	1,889,691	1,889,691	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	11,646,590	621,151	11,025,438	11,336,014	1,823,793	1,823,793	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	11,025,438	621,151	10,404,287	10,714,863	1,757,895	1,757,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	10,404,287	621,151	9,783,136	10,093,711	1,691,996	1,691,996	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	9,783,136	621,151	9,161,984	9,472,560	1,626,098	1,626,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	9,161,984	621,151	8,540,833	8,851,408	1,560,200	1,560,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	8,540,833	621,151	7,919,681	8,230,257	1,494,302	1,494,302	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	7,919,681	621,151	7,298,530	7,609,105	1,428,404	1,428,404	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	7,298,530	621,151	6,677,378	6,987,954	1,362,506	1,362,506	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	6,677,378	621,151	6,056,227	6,366,802	1,296,608	1,296,608	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	6,056,227	621,151	5,435,075	5,745,651	1,230,709	1,230,709	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	5,435,075	621,151	4,813,924	5,124,500	1,164,811	1,164,811	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	4,813,924	621,151	4,192,772	4,503,348	1,098,913	1,098,913	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	4,192,772	621,151	3,571,621	3,882,197	1,033,015	1,033,015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	3,571,621	621,151	2,950,469	3,261,045	967,117	967,117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	2,950,469	621,151	2,329,318	2,639,894	901,219	901,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	2,329,318	621,151	1,708,167	2,018,742	835,320	835,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	1,708,167	621,151	1,087,015	1,397,591	769,422	769,422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	1,087,015	621,151	465,864	776,439	703,524	703,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	465,864	465,864	-	232,932	490,575	490,575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	28,572,967				100,566,698	100,566,698	-					

\*\* 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: b2021 (Kanawha River Gen Retirement - Upgrades)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	267,413	267,413	-
Prior Yr True-Up	273,059	273,059	-
True-Up Adjustment	5,646	5,646	-

Details	2,419,910	Current Year	2021
Investment	2,419,910		
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	52,607

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	2,419,910	-	2,419,910	2,419,910	256,729	256,729	\$ -	\$ 222,712	\$ 34,017	\$ 222,712	\$ 34,017	\$ -
2015	2,419,910	52,607	2,367,303	2,393,607	306,545	306,545	\$ -	\$ 317,491	\$ (10,946)	\$ 317,491	\$ (10,946)	\$ -
2016	2,367,303	52,607	2,314,697	2,341,000	300,964	300,964	\$ -	\$ 303,455	\$ (2,491)	\$ 303,455	\$ (2,491)	\$ -
2017	2,314,697	52,607	2,262,090	2,288,393	295,383	295,383	\$ -	\$ 308,414	\$ (13,031)	\$ 308,414	\$ (13,031)	\$ -
2018	2,262,090	52,607	2,209,483	2,235,786	289,802	289,802	\$ -	\$ 292,574	\$ (2,772)	\$ 292,574	\$ (2,772)	\$ -
2019	2,209,483	52,607	2,156,876	2,183,180	284,221	284,221	\$ -	\$ 285,739	\$ (1,518)	\$ 285,739	\$ (1,518)	\$ -
2020	2,156,876	52,607	2,104,270	2,130,573	278,640	278,640	\$ -	\$ 271,872	\$ 6,768	\$ 271,872	\$ 6,768	\$ -
2021	2,104,270	52,607	2,051,663	2,077,966	273,059	273,059	\$ -	\$ 267,413	\$ 5,646	\$ 267,413	\$ 5,646	\$ -
2022	2,051,663	52,607	1,999,056	2,025,359	267,478	267,478	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	1,999,056	52,607	1,946,449	1,972,753	261,897	261,897	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	1,946,449	52,607	1,893,843	1,920,146	256,316	256,316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	1,893,843	52,607	1,841,236	1,867,539	250,735	250,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	1,841,236	52,607	1,788,629	1,814,932	245,153	245,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	1,788,629	52,607	1,736,022	1,762,326	239,572	239,572	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	1,736,022	52,607	1,683,416	1,709,719	233,991	233,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	1,683,416	52,607	1,630,809	1,657,112	228,410	228,410	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	1,630,809	52,607	1,578,202	1,604,506	222,829	222,829	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	1,578,202	52,607	1,525,595	1,551,899	217,248	217,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	1,525,595	52,607	1,472,989	1,499,292	211,667	211,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	1,472,989	52,607	1,420,382	1,446,685	206,086	206,086	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	1,420,382	52,607	1,367,775	1,394,079	200,505	200,505	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	1,367,775	52,607	1,315,168	1,341,472	194,924	194,924	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	1,315,168	52,607	1,262,562	1,288,865	189,343	189,343	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	1,262,562	52,607	1,209,955	1,236,258	183,762	183,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	1,209,955	52,607	1,157,348	1,183,652	178,181	178,181	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	1,157,348	52,607	1,104,742	1,131,045	172,600	172,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	1,104,742	52,607	1,052,135	1,078,438	167,019	167,019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	1,052,135	52,607	999,528	1,025,831	161,438	161,438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	999,528	52,607	946,921	973,225	155,856	155,856	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	946,921	52,607	894,315	920,618	150,275	150,275	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	894,315	52,607	841,708	868,011	144,694	144,694	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	841,708	52,607	789,101	815,404	139,113	139,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	789,101	52,607	736,494	762,798	133,532	133,532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	736,494	52,607	683,888	710,191	127,951	127,951	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	683,888	52,607	631,281	657,584	122,370	122,370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	631,281	52,607	578,674	604,977	116,789	116,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	578,674	52,607	526,067	552,371	111,208	111,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	526,067	52,607	473,461	499,764	105,627	105,627	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	473,461	52,607	420,854	447,157	100,046	100,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	420,854	52,607	368,247	394,551	94,465	94,465	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	368,247	52,607	315,640	341,944	88,884	88,884	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	315,640	52,607	263,034	289,337	83,303	83,303	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	263,034	52,607	210,427	236,730	77,722	77,722	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	210,427	52,607	157,820	184,124	72,140	72,140	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	157,820	52,607	105,213	131,517	66,559	66,559	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	105,213	52,607	52,607	78,910	60,978	60,978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	52,607	52,607	-	26,303	55,397	55,397	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	2,419,910				8,581,406	8,581,406	-					

\*\* 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: b2017 (Rebuild Sporn-Waterford-Muskingum River 345 kV line)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	1,689,922	1,689,922	-
Prior Yr True-Up	1,725,676	1,725,676	-
True-Up Adjustment	35,754	35,754	-

Details		2021
Investment	15,164,191	Current Year
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	5	FCR w/o incentives, less depreciation
Useful life	46	FCR w/incentives approved for these facilities, less dep.
CIAC (Yes or No)	No	Annual Depreciation Expense

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up w/o Incentives	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2015	15,164,191	192,300	14,971,891	15,068,041	1,790,873	1,790,873	\$ -	\$ -	\$ (856,865)	\$ -	\$ (856,865)	\$ -
2016	14,971,891	329,656	14,642,235	14,807,063	1,900,542	1,900,542	\$ -	\$ 2,089,493	\$ (188,951)	\$ 2,089,493	\$ (188,951)	\$ -
2017	14,642,235	329,656	14,312,579	14,477,407	1,865,569	1,865,569	\$ -	\$ 2,125,650	\$ (260,081)	\$ 2,125,650	\$ (260,081)	\$ -
2018	14,312,579	329,656	13,982,922	14,147,750	1,830,596	1,830,596	\$ -	\$ 1,845,050	\$ (14,454)	\$ 1,845,050	\$ (14,454)	\$ -
2019	13,982,922	329,656	13,653,266	13,818,094	1,795,622	1,795,622	\$ -	\$ 1,803,485	\$ (7,863)	\$ 1,803,485	\$ (7,863)	\$ -
2020	13,653,266	329,656	13,323,610	13,488,438	1,760,649	1,760,649	\$ -	\$ 1,715,891	\$ 44,758	\$ 1,715,891	\$ 44,758	\$ -
2021	13,323,610	329,656	12,993,953	13,158,781	1,725,676	1,725,676	\$ -	\$ 1,689,922	\$ 35,754	\$ 1,689,922	\$ 35,754	\$ -
2022	12,993,953	329,656	12,664,297	12,829,125	1,690,702	1,690,702	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	12,664,297	329,656	12,334,641	12,499,469	1,655,729	1,655,729	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	12,334,641	329,656	12,004,984	12,169,813	1,620,756	1,620,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	12,004,984	329,656	11,675,328	11,840,156	1,585,782	1,585,782	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	11,675,328	329,656	11,345,672	11,510,500	1,550,809	1,550,809	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	11,345,672	329,656	11,016,015	11,180,844	1,515,835	1,515,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	11,016,015	329,656	10,686,359	10,851,187	1,480,862	1,480,862	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	10,686,359	329,656	10,356,703	10,521,531	1,445,889	1,445,889	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	10,356,703	329,656	10,027,046	10,191,875	1,410,915	1,410,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	10,027,046	329,656	9,697,390	9,862,218	1,375,942	1,375,942	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	9,697,390	329,656	9,367,734	9,532,562	1,340,969	1,340,969	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	9,367,734	329,656	9,038,077	9,202,906	1,305,995	1,305,995	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	9,038,077	329,656	8,708,421	8,873,249	1,271,022	1,271,022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	8,708,421	329,656	8,378,765	8,543,593	1,236,049	1,236,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	8,378,765	329,656	8,049,109	8,213,937	1,201,075	1,201,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	8,049,109	329,656	7,719,452	7,884,280	1,166,102	1,166,102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	7,719,452	329,656	7,389,796	7,554,624	1,131,129	1,131,129	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	7,389,796	329,656	7,060,140	7,224,968	1,096,155	1,096,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	7,060,140	329,656	6,730,483	6,895,311	1,061,182	1,061,182	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	6,730,483	329,656	6,400,827	6,565,655	1,026,209	1,026,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	6,400,827	329,656	6,071,171	6,235,999	991,235	991,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	6,071,171	329,656	5,741,514	5,906,342	956,262	956,262	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	5,741,514	329,656	5,411,858	5,576,686	921,289	921,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	5,411,858	329,656	5,082,202	5,247,030	886,315	886,315	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	5,082,202	329,656	4,752,545	4,917,373	851,342	851,342	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	4,752,545	329,656	4,422,889	4,587,717	816,369	816,369	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	4,422,889	329,656	4,093,233	4,258,061	781,395	781,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	4,093,233	329,656	3,763,576	3,928,404	746,422	746,422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	3,763,576	329,656	3,433,920	3,598,748	711,449	711,449	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	3,433,920	329,656	3,104,264	3,269,092	676,475	676,475	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	3,104,264	329,656	2,774,607	2,939,436	641,502	641,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	2,774,607	329,656	2,444,951	2,609,779	606,529	606,529	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	2,444,951	329,656	2,115,295	2,280,123	571,555	571,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	2,115,295	329,656	1,785,638	1,950,467	536,582	536,582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	1,785,638	329,656	1,455,982	1,620,810	501,609	501,609	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	1,455,982	329,656	1,126,326	1,291,154	466,635	466,635	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	1,126,326	329,656	796,669	961,498	431,662	431,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	796,669	329,656	467,013	631,841	396,689	396,689	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	467,013	329,656	137,357	302,185	361,715	361,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	137,357	137,357	-	68,678	144,643	144,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	15,164,191				52,836,309	52,836,309	-					

\*\* 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: b1660 (Install a 765/500 kV transformer at Cloverdale)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	393,735	393,735	-
Prior Yr True-Up	462,124	462,124	-
True-Up Adjustment	8,390	8,390	-

Details		2021
Investment	3,429,372	Current Year
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	11	FCR w/o incentives, less depreciation
Useful life	46	FCR w/incentives approved for these facilities, less dep.
CIAC (Yes or No)	No	Annual Depreciation Expense

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up w/o Incentives	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2016	3,429,372	6,213	3,423,159	3,426,266	369,706	369,706	\$ -	\$ 8,871,247	\$ (8,501,541)	\$ (8,501,541)	\$ (8,501,541)	\$ -
2017	3,423,159	74,552	3,348,608	3,385,884	433,761	433,761	\$ -	\$ 8,889,735	\$ (8,455,974)	\$ 8,889,735	\$ (8,455,974)	\$ -
2018	3,348,608	74,552	3,274,056	3,311,332	425,852	425,852	\$ -	\$ 1,820,478	\$ (1,394,626)	\$ 1,820,478	\$ (1,394,626)	\$ -
2019	3,274,056	74,552	3,199,505	3,236,780	417,943	417,943	\$ -	\$ 403,595	\$ 14,348	\$ 403,595	\$ 14,348	\$ -
2020	3,199,505	74,552	3,124,953	3,162,229	410,033	410,033	\$ -	\$ 387,035	\$ 22,998	\$ 387,035	\$ 22,998	\$ -
2021	3,124,953	74,552	3,050,402	3,087,677	402,124	402,124	\$ -	\$ 393,735	\$ 8,390	\$ 393,735	\$ 8,390	\$ -
2022	3,050,402	74,552	2,975,850	3,013,126	394,215	394,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	2,975,850	74,552	2,901,298	2,936,574	386,306	386,306	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	2,901,298	74,552	2,826,747	2,864,023	378,397	378,397	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	2,826,747	74,552	2,752,195	2,789,471	370,487	370,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	2,752,195	74,552	2,677,644	2,714,920	362,578	362,578	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	2,677,644	74,552	2,603,092	2,640,368	354,669	354,669	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	2,603,092	74,552	2,528,541	2,565,816	346,760	346,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	2,528,541	74,552	2,453,989	2,491,265	338,851	338,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	2,453,989	74,552	2,379,437	2,416,713	330,941	330,941	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	2,379,437	74,552	2,304,886	2,342,162	323,032	323,032	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	2,304,886	74,552	2,230,334	2,267,610	315,123	315,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	2,230,334	74,552	2,155,783	2,193,059	307,214	307,214	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	2,155,783	74,552	2,081,231	2,118,507	299,305	299,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	2,081,231	74,552	2,006,680	2,043,955	291,395	291,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	2,006,680	74,552	1,932,128	1,969,404	283,486	283,486	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	1,932,128	74,552	1,857,577	1,894,852	275,577	275,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	1,857,577	74,552	1,783,025	1,820,301	267,668	267,668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	1,783,025	74,552	1,708,473	1,745,749	259,759	259,759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	1,708,473	74,552	1,633,922	1,671,198	251,849	251,849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	1,633,922	74,552	1,559,370	1,596,646	243,940	243,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	1,559,370	74,552	1,484,819	1,522,094	236,031	236,031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	1,484,819	74,552	1,410,267	1,447,543	228,122	228,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	1,410,267	74,552	1,335,716	1,372,991	220,213	220,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	1,335,716	74,552	1,261,164	1,298,440	212,303	212,303	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	1,261,164	74,552	1,186,612	1,223,888	204,394	204,394	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	1,186,612	74,552	1,112,061	1,149,337	196,485	196,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	1,112,061	74,552	1,037,509	1,074,785	188,576	188,576	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	1,037,509	74,552	962,958	1,000,234	180,667	180,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	962,958	74,552	888,406	925,682	172,757	172,757	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	888,406	74,552	813,855	851,130	164,848	164,848	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	813,855	74,552	739,303	776,579	156,939	156,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	739,303	74,552	664,751	702,027	149,030	149,030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	664,751	74,552	590,200	627,476	141,121	141,121	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	590,200	74,552	515,648	552,924	133,211	133,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	515,648	74,552	441,097	478,373	125,302	125,302	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	441,097	74,552	366,545	403,821	117,393	117,393	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	366,545	74,552	291,994	329,269	109,484	109,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	291,994	74,552	217,442	254,718	101,575	101,575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	217,442	74,552	142,891	180,166	93,665	93,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	142,891	74,552	68,339	105,615	85,756	85,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	68,339	68,339	-	34,169	71,964	71,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	3,429,372				12,130,809	12,130,809	-					

\*\* 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: b1660.1 (Cloverdale: Establish 500 kV station and 500 to 765 kV tie)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	3,452,843	3,452,843	-
Prior Yr True-Up	3,526,415	3,526,415	-
True-Up Adjustment	73,572	73,572	-

Details		Current Year	2021
Investment	30,073,762		
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	653,777

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	RTEP Rev Req't with Incentives **	True-up of Incentive with Incentives **
2016	30,073,762	54,481	30,019,281	30,046,521	3,242,126	3,242,126	-	\$ 13,022,465	\$ (9,780,339)	\$ 13,022,465	\$ (9,780,339)	\$ -
2017	30,019,281	653,777	29,365,503	29,692,392	3,803,853	3,803,853	-	\$ 3,514,742	\$ 289,111	\$ 3,514,742	\$ 289,111	\$ -
2018	29,365,503	653,777	28,711,726	29,038,614	3,734,493	3,734,493	-	\$ 3,974,755	\$ (240,262)	\$ 3,974,755	\$ (240,262)	\$ -
2019	28,711,726	653,777	28,057,948	28,384,837	3,665,134	3,665,134	-	\$ 3,572,182	\$ 92,952	\$ 3,572,182	\$ 92,952	\$ -
2020	28,057,948	653,777	27,404,171	27,731,060	3,595,774	3,595,774	-	\$ 3,435,593	\$ 160,182	\$ 3,435,593	\$ 160,182	\$ -
2021	27,404,171	653,777	26,750,393	27,077,282	3,526,415	3,526,415	-	\$ 3,452,843	\$ 73,572	\$ 3,452,843	\$ 73,572	\$ -
2022	26,750,393	653,777	26,096,616	26,423,505	3,457,055	3,457,055	-	\$ -	\$ -	\$ -	\$ -	\$ -
2023	26,096,616	653,777	25,442,839	25,769,727	3,387,696	3,387,696	-	\$ -	\$ -	\$ -	\$ -	\$ -
2024	25,442,839	653,777	24,789,061	25,116,950	3,318,336	3,318,336	-	\$ -	\$ -	\$ -	\$ -	\$ -
2025	24,789,061	653,777	24,135,284	24,462,172	3,248,977	3,248,977	-	\$ -	\$ -	\$ -	\$ -	\$ -
2026	24,135,284	653,777	23,481,506	23,808,395	3,179,617	3,179,617	-	\$ -	\$ -	\$ -	\$ -	\$ -
2027	23,481,506	653,777	22,827,729	23,154,618	3,110,258	3,110,258	-	\$ -	\$ -	\$ -	\$ -	\$ -
2028	22,827,729	653,777	22,173,951	22,500,840	3,040,899	3,040,899	-	\$ -	\$ -	\$ -	\$ -	\$ -
2029	22,173,951	653,777	21,520,174	21,847,063	2,971,539	2,971,539	-	\$ -	\$ -	\$ -	\$ -	\$ -
2030	21,520,174	653,777	20,866,397	21,193,285	2,902,180	2,902,180	-	\$ -	\$ -	\$ -	\$ -	\$ -
2031	20,866,397	653,777	20,212,619	20,539,508	2,832,820	2,832,820	-	\$ -	\$ -	\$ -	\$ -	\$ -
2032	20,212,619	653,777	19,558,842	19,885,730	2,763,461	2,763,461	-	\$ -	\$ -	\$ -	\$ -	\$ -
2033	19,558,842	653,777	18,905,064	19,231,953	2,694,101	2,694,101	-	\$ -	\$ -	\$ -	\$ -	\$ -
2034	18,905,064	653,777	18,251,287	18,578,175	2,624,742	2,624,742	-	\$ -	\$ -	\$ -	\$ -	\$ -
2035	18,251,287	653,777	17,597,509	17,924,398	2,555,382	2,555,382	-	\$ -	\$ -	\$ -	\$ -	\$ -
2036	17,597,509	653,777	16,943,732	17,270,621	2,486,023	2,486,023	-	\$ -	\$ -	\$ -	\$ -	\$ -
2037	16,943,732	653,777	16,289,954	16,616,843	2,416,664	2,416,664	-	\$ -	\$ -	\$ -	\$ -	\$ -
2038	16,289,954	653,777	15,636,177	15,963,066	2,347,304	2,347,304	-	\$ -	\$ -	\$ -	\$ -	\$ -
2039	15,636,177	653,777	14,982,400	15,309,288	2,277,945	2,277,945	-	\$ -	\$ -	\$ -	\$ -	\$ -
2040	14,982,400	653,777	14,328,622	14,655,511	2,208,585	2,208,585	-	\$ -	\$ -	\$ -	\$ -	\$ -
2041	14,328,622	653,777	13,674,845	14,001,733	2,139,226	2,139,226	-	\$ -	\$ -	\$ -	\$ -	\$ -
2042	13,674,845	653,777	13,021,067	13,347,956	2,069,866	2,069,866	-	\$ -	\$ -	\$ -	\$ -	\$ -
2043	13,021,067	653,777	12,367,290	12,694,179	2,000,507	2,000,507	-	\$ -	\$ -	\$ -	\$ -	\$ -
2044	12,367,290	653,777	11,713,512	12,040,401	1,931,147	1,931,147	-	\$ -	\$ -	\$ -	\$ -	\$ -
2045	11,713,512	653,777	11,059,735	11,386,624	1,861,788	1,861,788	-	\$ -	\$ -	\$ -	\$ -	\$ -
2046	11,059,735	653,777	10,405,958	10,732,846	1,792,428	1,792,428	-	\$ -	\$ -	\$ -	\$ -	\$ -
2047	10,405,958	653,777	9,752,180	10,079,069	1,723,069	1,723,069	-	\$ -	\$ -	\$ -	\$ -	\$ -
2048	9,752,180	653,777	9,098,403	9,425,291	1,653,710	1,653,710	-	\$ -	\$ -	\$ -	\$ -	\$ -
2049	9,098,403	653,777	8,444,625	8,771,514	1,584,350	1,584,350	-	\$ -	\$ -	\$ -	\$ -	\$ -
2050	8,444,625	653,777	7,790,848	8,117,737	1,514,991	1,514,991	-	\$ -	\$ -	\$ -	\$ -	\$ -
2051	7,790,848	653,777	7,137,070	7,463,959	1,445,631	1,445,631	-	\$ -	\$ -	\$ -	\$ -	\$ -
2052	7,137,070	653,777	6,483,293	6,810,182	1,376,272	1,376,272	-	\$ -	\$ -	\$ -	\$ -	\$ -
2053	6,483,293	653,777	5,829,515	6,156,404	1,306,912	1,306,912	-	\$ -	\$ -	\$ -	\$ -	\$ -
2054	5,829,515	653,777	5,175,738	5,502,627	1,237,553	1,237,553	-	\$ -	\$ -	\$ -	\$ -	\$ -
2055	5,175,738	653,777	4,521,961	4,848,849	1,168,193	1,168,193	-	\$ -	\$ -	\$ -	\$ -	\$ -
2056	4,521,961	653,777	3,868,183	4,195,072	1,098,834	1,098,834	-	\$ -	\$ -	\$ -	\$ -	\$ -
2057	3,868,183	653,777	3,214,406	3,541,294	1,029,474	1,029,474	-	\$ -	\$ -	\$ -	\$ -	\$ -
2058	3,214,406	653,777	2,560,628	2,887,517	960,115	960,115	-	\$ -	\$ -	\$ -	\$ -	\$ -
2059	2,560,628	653,777	1,906,851	2,233,740	890,756	890,756	-	\$ -	\$ -	\$ -	\$ -	\$ -
2060	1,906,851	653,777	1,253,073	1,579,962	821,396	821,396	-	\$ -	\$ -	\$ -	\$ -	\$ -
2061	1,253,073	653,777	599,296	926,185	752,037	752,037	-	\$ -	\$ -	\$ -	\$ -	\$ -
2062	599,296	599,296	-	299,648	631,086	631,086	-	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	30,073,762				106,380,719	106,380,719	-					

\*\* 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: b1663.2 (Jacksons Ferry 765 kV breakers, switches, bus work, and relays)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	618,333	618,333	-
Prior Yr True-Up	631,452	631,452	-
True-Up Adjustment	13,119	13,119	-

Details		Current Year	2021
Investment	5,483,986		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	119,217

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 **
2015	5,483,986	-	5,483,986	5,483,986	581,798	581,798	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	5,483,986	119,217	5,364,769	5,424,377	694,691	694,691	\$ -	\$ 780,577	\$ (85,886)	\$ 780,577	\$ (85,886)	\$ -
2017	5,364,769	119,217	5,245,552	5,305,160	682,043	682,043	\$ -	\$ 779,062	\$ (97,019)	\$ 779,062	\$ (97,019)	\$ -
2018	5,245,552	119,217	5,126,335	5,185,943	669,395	669,395	\$ -	\$ 672,821	\$ (3,426)	\$ 672,821	\$ (3,426)	\$ -
2019	5,126,335	119,217	5,007,118	5,066,726	656,748	656,748	\$ -	\$ 658,757	\$ (2,009)	\$ 658,757	\$ (2,009)	\$ -
2020	5,007,118	119,217	4,887,900	4,947,509	644,100	644,100	\$ -	\$ 626,724	\$ -	\$ 626,724	\$ -	\$ 17,375
2021	4,887,900	119,217	4,768,683	4,828,292	631,452	631,452	\$ -	\$ 618,333	\$ -	\$ 618,333	\$ -	\$ 13,119
2022	4,768,683	119,217	4,649,466	4,709,075	618,804	618,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	4,649,466	119,217	4,530,249	4,589,858	606,157	606,157	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	4,530,249	119,217	4,411,032	4,470,641	593,509	593,509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	4,411,032	119,217	4,291,815	4,351,424	580,861	580,861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	4,291,815	119,217	4,172,598	4,232,207	568,213	568,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	4,172,598	119,217	4,053,381	4,112,989	555,565	555,565	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	4,053,381	119,217	3,934,164	3,993,772	542,918	542,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	3,934,164	119,217	3,814,947	3,874,555	530,270	530,270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	3,814,947	119,217	3,695,730	3,755,338	517,622	517,622	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	3,695,730	119,217	3,576,513	3,636,121	504,974	504,974	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	3,576,513	119,217	3,457,295	3,516,904	492,327	492,327	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	3,457,295	119,217	3,338,078	3,397,687	479,679	479,679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	3,338,078	119,217	3,218,861	3,278,470	467,031	467,031	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	3,218,861	119,217	3,099,644	3,159,253	454,383	454,383	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	3,099,644	119,217	2,980,427	3,040,036	441,735	441,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	2,980,427	119,217	2,861,210	2,920,819	429,088	429,088	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	2,861,210	119,217	2,741,993	2,801,601	416,440	416,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	2,741,993	119,217	2,622,776	2,682,384	403,792	403,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	2,622,776	119,217	2,503,559	2,563,167	391,144	391,144	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	2,503,559	119,217	2,384,342	2,443,950	378,497	378,497	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	2,384,342	119,217	2,265,125	2,324,733	365,849	365,849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	2,265,125	119,217	2,145,908	2,205,516	353,201	353,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	2,145,908	119,217	2,026,690	2,086,299	340,553	340,553	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	2,026,690	119,217	1,907,473	1,967,082	327,905	327,905	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	1,907,473	119,217	1,788,256	1,847,865	315,258	315,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	1,788,256	119,217	1,669,039	1,728,648	302,610	302,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	1,669,039	119,217	1,549,822	1,609,431	289,962	289,962	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	1,549,822	119,217	1,430,605	1,490,214	277,314	277,314	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	1,430,605	119,217	1,311,388	1,370,996	264,667	264,667	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	1,311,388	119,217	1,192,171	1,251,779	252,019	252,019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	1,192,171	119,217	1,072,954	1,132,562	239,371	239,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	1,072,954	119,217	953,737	1,013,345	226,723	226,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	953,737	119,217	834,520	894,128	214,075	214,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	834,520	119,217	715,303	774,911	201,428	201,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	715,303	119,217	596,085	655,694	188,780	188,780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	596,085	119,217	476,868	536,477	176,132	176,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	476,868	119,217	357,651	417,260	163,484	163,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	357,651	119,217	238,434	298,043	150,837	150,837	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	238,434	119,217	119,217	178,826	138,189	138,189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	119,217	119,217	-	59,609	125,541	125,541	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals			5,483,986		19,447,132	19,447,132	-					

\*\* 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: b1875 (138 kV Bradley to McClung upgrades)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	715,550	715,550	-
Prior Yr True-Up	1,155,495	1,155,495	-
True-Up Adjustment	439,945	439,945	-

Details	10,292,854	Current Year	2021
Investment	10,292,854	ROE increase accepted by FERC (Basis Points)	-
Service Year (yyyy)	2014	FCR w/o incentives, less depreciation	10.61%
Service Month (1-12)	9	FCR w/incentives approved for these facilities, less dep.	10.61%
Useful life	46	Annual Depreciation Expense	223,758
CIAC (Yes or No)	No		

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	10,292,854	55,939	10,236,915	10,264,885	1,144,944	1,144,944	\$ -	\$ -	\$ 1,144,944	\$ 0	\$ 1,144,944	\$ -
2015	10,236,915	223,758	10,013,157	10,125,036	1,297,926	1,297,926	\$ -	\$ -	\$ 1,297,926	\$ 0	\$ 1,297,926	\$ -
2016	10,013,157	223,758	9,789,399	9,901,278	1,274,187	1,274,187	\$ -	\$ 1,117	\$ 1,273,070	\$ 1,117	\$ 1,273,070	\$ -
2017	9,789,399	223,758	9,565,642	9,677,521	1,250,449	1,250,449	\$ -	\$ 57,580	\$ 1,192,869	\$ 57,580	\$ 1,192,869	\$ -
2018	9,565,642	223,758	9,341,884	9,453,763	1,226,710	1,226,710	\$ -	\$ 54,331	\$ 1,172,379	\$ 54,331	\$ 1,172,379	\$ -
2019	9,341,884	223,758	9,118,126	9,230,005	1,202,972	1,202,972	\$ -	\$ 52,090	\$ 1,150,882	\$ 52,090	\$ 1,150,882	\$ -
2020	9,118,126	223,758	8,894,369	9,006,247	1,179,233	1,179,233	\$ -	\$ 82,533	\$ 1,096,700	\$ 82,533	\$ 1,096,700	\$ -
2021	8,894,369	223,758	8,670,611	8,782,490	1,155,495	1,155,495	\$ -	\$ 715,550	\$ 439,945	\$ 715,550	\$ 439,945	\$ -
2022	8,670,611	223,758	8,446,853	8,558,732	1,131,756	1,131,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	8,446,853	223,758	8,223,096	8,334,974	1,108,018	1,108,018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	8,223,096	223,758	7,999,338	8,111,217	1,084,279	1,084,279	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	7,999,338	223,758	7,775,580	7,887,459	1,060,541	1,060,541	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	7,775,580	223,758	7,551,822	7,663,701	1,036,802	1,036,802	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	7,551,822	223,758	7,328,065	7,439,944	1,013,064	1,013,064	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	7,328,065	223,758	7,104,307	7,216,186	989,325	989,325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	7,104,307	223,758	6,880,549	6,992,428	965,587	965,587	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	6,880,549	223,758	6,656,792	6,768,670	941,848	941,848	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	6,656,792	223,758	6,433,034	6,544,913	918,110	918,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	6,433,034	223,758	6,209,276	6,321,155	894,371	894,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	6,209,276	223,758	5,985,519	6,097,397	870,632	870,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	5,985,519	223,758	5,761,761	5,873,640	846,894	846,894	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	5,761,761	223,758	5,538,003	5,649,882	823,155	823,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	5,538,003	223,758	5,314,245	5,426,124	799,417	799,417	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	5,314,245	223,758	5,090,488	5,202,367	775,678	775,678	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	5,090,488	223,758	4,866,730	4,978,609	751,940	751,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	4,866,730	223,758	4,642,972	4,754,851	728,201	728,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	4,642,972	223,758	4,419,215	4,531,093	704,463	704,463	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	4,419,215	223,758	4,195,457	4,307,336	680,724	680,724	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	4,195,457	223,758	3,971,699	4,083,578	656,986	656,986	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	3,971,699	223,758	3,747,942	3,859,820	633,247	633,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	3,747,942	223,758	3,524,184	3,636,063	609,509	609,509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	3,524,184	223,758	3,300,426	3,412,305	585,770	585,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	3,300,426	223,758	3,076,668	3,188,547	562,032	562,032	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	3,076,668	223,758	2,852,911	2,964,790	538,293	538,293	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	2,852,911	223,758	2,629,153	2,741,032	514,555	514,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	2,629,153	223,758	2,405,395	2,517,274	490,816	490,816	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	2,405,395	223,758	2,181,638	2,293,516	467,078	467,078	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	2,181,638	223,758	1,957,880	2,069,759	443,339	443,339	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	1,957,880	223,758	1,734,122	1,846,001	419,601	419,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	1,734,122	223,758	1,510,364	1,622,243	395,862	395,862	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	1,510,364	223,758	1,286,607	1,398,486	372,123	372,123	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	1,286,607	223,758	1,062,849	1,174,728	348,385	348,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	1,062,849	223,758	839,091	950,970	324,646	324,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	839,091	223,758	615,334	727,213	300,908	300,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	615,334	223,758	391,576	503,455	277,169	277,169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	391,576	223,758	167,818	279,697	253,431	253,431	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	167,818	167,818	-	83,909	176,720	176,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	10,292,854	2,237,580	10,292,854	10,292,854	36,227,192	36,227,192	-	-	-	-	-	-

\*\* 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: b1712.1 (Altavista-Leesville 138kV line)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	29,062	29,062	-
Prior Yr True-Up	29,673	29,673	-
True-Up Adjustment	611	611	-

Details		2021
Investment	267,989	Current Year
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)
Service Month (1-12)	1	FCR w/o incentives, less depreciation
Useful life	46	FCR w/incentives approved for these facilities, less dep.
CIAC (Yes or No)	No	Annual Depreciation Expense

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	267,989	5,340	262,649	265,319	33,488	33,488	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2015	262,649	5,826	256,823	259,736	33,381	33,381	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	256,823	5,826	250,997	253,910	32,763	32,763	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017	250,997	5,826	245,171	248,084	32,145	32,145	\$ -	\$ 31,947	\$ 198	\$ 31,947	\$ 198	\$ -
2018	245,171	5,826	239,345	242,258	31,527	31,527	\$ -	\$ 35,555	\$ (4,028)	\$ 35,555	\$ (4,028)	\$ -
2019	239,345	5,826	233,520	236,433	30,909	30,909	\$ -	\$ 31,141	\$ (232)	\$ 31,141	\$ (232)	\$ -
2020	233,520	5,826	227,694	230,607	30,291	30,291	\$ -	\$ 29,633	\$ 658	\$ 29,633	\$ 658	\$ -
2021	227,694	5,826	221,868	224,791	29,673	29,673	\$ -	\$ 29,062	\$ 611	\$ 29,062	\$ 611	\$ -
2022	221,868	5,826	216,042	219,955	29,055	29,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	216,042	5,826	210,216	213,129	28,437	28,437	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	210,216	5,826	204,390	207,303	27,819	27,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	204,390	5,826	198,564	201,477	27,201	27,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	198,564	5,826	192,739	195,652	26,583	26,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	192,739	5,826	186,913	189,826	25,965	25,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	186,913	5,826	181,087	184,000	25,346	25,346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	181,087	5,826	175,261	178,174	24,728	24,728	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	175,261	5,826	169,435	172,348	24,110	24,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	169,435	5,826	163,609	166,522	23,492	23,492	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	163,609	5,826	157,784	160,696	22,874	22,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	157,784	5,826	151,958	154,871	22,256	22,256	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	151,958	5,826	146,132	149,045	21,638	21,638	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	146,132	5,826	140,306	143,219	21,020	21,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	140,306	5,826	134,480	137,393	20,402	20,402	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	134,480	5,826	128,654	131,567	19,784	19,784	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	128,654	5,826	122,828	125,741	19,166	19,166	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	122,828	5,826	117,003	119,915	18,548	18,548	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	117,003	5,826	111,177	114,090	17,930	17,930	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	111,177	5,826	105,351	108,264	17,312	17,312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	105,351	5,826	99,525	102,438	16,694	16,694	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	99,525	5,826	93,699	96,612	16,075	16,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	93,699	5,826	87,873	90,786	15,457	15,457	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	87,873	5,826	82,047	84,960	14,839	14,839	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	82,047	5,826	76,222	79,134	14,221	14,221	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	76,222	5,826	70,396	73,309	13,603	13,603	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	70,396	5,826	64,570	67,483	12,985	12,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	64,570	5,826	58,744	61,657	12,367	12,367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	58,744	5,826	52,918	55,831	11,749	11,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	52,918	5,826	47,092	50,005	11,131	11,131	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	47,092	5,826	41,266	44,179	10,513	10,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	41,266	5,826	35,441	38,354	9,895	9,895	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	35,441	5,826	29,615	32,528	9,277	9,277	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	29,615	5,826	23,789	26,702	8,659	8,659	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	23,789	5,826	17,963	20,876	8,041	8,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	17,963	5,826	12,137	15,050	7,423	7,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	12,137	5,826	6,311	9,224	6,804	6,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	6,311	5,826	485	3,398	6,186	6,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	485	485	-	243	511	511	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	267,989				924,273	924,273	-					

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

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

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: b2687.2 (install a 300 MVAR shunt line reactor Broadford-Jacksons Ferry 765 kV line)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	1,123,491	1,123,491	-
Prior Yr True-Up	1,147,546	1,147,546	-
True-Up Adjustment	24,055	24,055	-

Details		Current Year	2021
Investment	9,582,260		
Service Year (yyyy)	2017	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	208,310

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2017	9,582,260	-	9,582,260	9,582,260	1,016,585	1,016,585	-	\$ -	\$ -	\$ -	\$ -	\$ -
2018	9,582,260	208,310	9,373,950	9,478,105	1,213,845	1,213,845	-	\$ 1,174,872	\$ 38,973	\$ 1,174,872	\$ 38,973	\$ -
2019	9,373,950	208,310	9,165,640	9,269,795	1,191,745	1,191,745	-	\$ 1,181,808	\$ 9,937	\$ 1,181,808	\$ 9,937	\$ -
2020	9,165,640	208,310	8,957,330	9,061,485	1,169,646	1,169,646	-	\$ 1,110,565	\$ 59,081	\$ 1,110,565	\$ 59,081	\$ -
2021	8,957,330	208,310	8,749,020	8,853,175	1,147,546	1,147,546	-	\$ 1,123,491	\$ 24,055	\$ 1,123,491	\$ 24,055	\$ -
2022	8,749,020	208,310	8,540,710	8,644,865	1,125,446	1,125,446	-	\$ -	\$ -	\$ -	\$ -	\$ -
2023	8,540,710	208,310	8,332,400	8,436,555	1,103,347	1,103,347	-	\$ -	\$ -	\$ -	\$ -	\$ -
2024	8,332,400	208,310	8,124,090	8,222,245	1,081,247	1,081,247	-	\$ -	\$ -	\$ -	\$ -	\$ -
2025	8,124,090	208,310	7,915,780	8,015,935	1,059,147	1,059,147	-	\$ -	\$ -	\$ -	\$ -	\$ -
2026	7,915,780	208,310	7,707,470	7,811,625	1,037,048	1,037,048	-	\$ -	\$ -	\$ -	\$ -	\$ -
2027	7,707,470	208,310	7,499,160	7,603,315	1,014,948	1,014,948	-	\$ -	\$ -	\$ -	\$ -	\$ -
2028	7,499,160	208,310	7,290,850	7,395,005	992,848	992,848	-	\$ -	\$ -	\$ -	\$ -	\$ -
2029	7,290,850	208,310	7,082,540	7,186,695	970,749	970,749	-	\$ -	\$ -	\$ -	\$ -	\$ -
2030	7,082,540	208,310	6,874,230	6,978,385	948,649	948,649	-	\$ -	\$ -	\$ -	\$ -	\$ -
2031	6,874,230	208,310	6,665,920	6,770,075	926,549	926,549	-	\$ -	\$ -	\$ -	\$ -	\$ -
2032	6,665,920	208,310	6,457,610	6,561,765	904,450	904,450	-	\$ -	\$ -	\$ -	\$ -	\$ -
2033	6,457,610	208,310	6,249,300	6,353,455	882,350	882,350	-	\$ -	\$ -	\$ -	\$ -	\$ -
2034	6,249,300	208,310	6,040,990	6,145,145	860,250	860,250	-	\$ -	\$ -	\$ -	\$ -	\$ -
2035	6,040,990	208,310	5,832,680	5,936,835	838,151	838,151	-	\$ -	\$ -	\$ -	\$ -	\$ -
2036	5,832,680	208,310	5,624,370	5,728,525	816,051	816,051	-	\$ -	\$ -	\$ -	\$ -	\$ -
2037	5,624,370	208,310	5,416,060	5,520,215	793,951	793,951	-	\$ -	\$ -	\$ -	\$ -	\$ -
2038	5,416,060	208,310	5,207,750	5,311,905	771,852	771,852	-	\$ -	\$ -	\$ -	\$ -	\$ -
2039	5,207,750	208,310	4,999,440	5,103,595	749,752	749,752	-	\$ -	\$ -	\$ -	\$ -	\$ -
2040	4,999,440	208,310	4,791,130	4,895,285	727,652	727,652	-	\$ -	\$ -	\$ -	\$ -	\$ -
2041	4,791,130	208,310	4,582,820	4,689,975	705,553	705,553	-	\$ -	\$ -	\$ -	\$ -	\$ -
2042	4,582,820	208,310	4,374,510	4,478,665	683,453	683,453	-	\$ -	\$ -	\$ -	\$ -	\$ -
2043	4,374,510	208,310	4,166,200	4,270,355	661,353	661,353	-	\$ -	\$ -	\$ -	\$ -	\$ -
2044	4,166,200	208,310	3,957,890	4,062,045	639,254	639,254	-	\$ -	\$ -	\$ -	\$ -	\$ -
2045	3,957,890	208,310	3,749,580	3,853,735	617,154	617,154	-	\$ -	\$ -	\$ -	\$ -	\$ -
2046	3,749,580	208,310	3,541,270	3,645,425	595,054	595,054	-	\$ -	\$ -	\$ -	\$ -	\$ -
2047	3,541,270	208,310	3,332,960	3,437,115	572,955	572,955	-	\$ -	\$ -	\$ -	\$ -	\$ -
2048	3,332,960	208,310	3,124,650	3,228,805	550,855	550,855	-	\$ -	\$ -	\$ -	\$ -	\$ -
2049	3,124,650	208,310	2,916,340	3,020,495	528,755	528,755	-	\$ -	\$ -	\$ -	\$ -	\$ -
2050	2,916,340	208,310	2,708,030	2,812,185	506,656	506,656	-	\$ -	\$ -	\$ -	\$ -	\$ -
2051	2,708,030	208,310	2,499,720	2,603,875	484,556	484,556	-	\$ -	\$ -	\$ -	\$ -	\$ -
2052	2,499,720	208,310	2,291,410	2,395,565	462,456	462,456	-	\$ -	\$ -	\$ -	\$ -	\$ -
2053	2,291,410	208,310	2,083,100	2,187,255	440,357	440,357	-	\$ -	\$ -	\$ -	\$ -	\$ -
2054	2,083,100	208,310	1,874,790	1,978,945	418,257	418,257	-	\$ -	\$ -	\$ -	\$ -	\$ -
2055	1,874,790	208,310	1,666,480	1,770,635	396,157	396,157	-	\$ -	\$ -	\$ -	\$ -	\$ -
2056	1,666,480	208,310	1,458,170	1,562,325	374,058	374,058	-	\$ -	\$ -	\$ -	\$ -	\$ -
2057	1,458,170	208,310	1,249,860	1,354,015	351,958	351,958	-	\$ -	\$ -	\$ -	\$ -	\$ -
2058	1,249,860	208,310	1,041,550	1,145,705	329,858	329,858	-	\$ -	\$ -	\$ -	\$ -	\$ -
2059	1,041,550	208,310	833,240	937,395	307,759	307,759	-	\$ -	\$ -	\$ -	\$ -	\$ -
2060	833,240	208,310	624,930	729,085	285,659	285,659	-	\$ -	\$ -	\$ -	\$ -	\$ -
2061	624,930	208,310	416,620	520,775	263,559	263,559	-	\$ -	\$ -	\$ -	\$ -	\$ -
2062	416,620	208,310	208,310	312,465	241,459	241,459	-	\$ -	\$ -	\$ -	\$ -	\$ -
2063	208,310	208,310	-	104,155	219,360	219,360	-	\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
2076	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals			9,582,260		33,980,297	33,980,297	-	\$ -	\$ -	\$ -	\$ -	\$ -

\*\* 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: b2687.1 (install a 450 MVAR SVC Jacksons Ferry 765kv Substation)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	8,170,472	8,170,472	-
Prior Yr True-Up	8,350,748	8,350,748	-
True-Up Adjustment	180,276	180,276	-

Details		Current Year	2021
Investment	68,629,171		
Service Year (yyyy)	2018	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	10	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,491,938

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	RTEP Rev Req't with Incentives **	True-up of Incentive with Incentives **
2018	68,629,171	248,656	68,380,514	68,504,843	7,516,357	7,516,357		\$ 8,045,448	\$ (529,091)	\$ 8,045,448	\$ (529,091)	\$ -
2019	68,380,514	1,491,938	66,888,576	67,634,545	8,667,308	8,667,308		\$ 8,376,163	\$ 291,145	\$ 8,376,163	\$ 291,145	\$ -
2020	66,888,576	1,491,938	65,396,637	66,142,607	8,509,028	8,509,028		\$ 4,444,449	\$ 4,064,579	\$ 4,444,449	\$ 4,064,579	\$ -
2021	65,396,637	1,491,938	63,904,699	64,650,668	8,350,748	8,350,748		\$ 8,170,472	\$ 180,276	\$ 8,170,472	\$ 180,276	\$ -
2022	63,904,699	1,491,938	62,412,760	63,158,730	8,192,468	8,192,468		\$ -	\$ -	\$ -	\$ -	\$ -
2023	62,412,760	1,491,938	60,920,822	61,666,791	8,034,188	8,034,188		\$ -	\$ -	\$ -	\$ -	\$ -
2024	60,920,822	1,491,938	59,428,883	60,174,853	7,875,907	7,875,907		\$ -	\$ -	\$ -	\$ -	\$ -
2025	59,428,883	1,491,938	57,936,945	58,682,914	7,717,627	7,717,627		\$ -	\$ -	\$ -	\$ -	\$ -
2026	57,936,945	1,491,938	56,445,006	57,190,976	7,559,347	7,559,347		\$ -	\$ -	\$ -	\$ -	\$ -
2027	56,445,006	1,491,938	54,953,068	55,699,037	7,401,067	7,401,067		\$ -	\$ -	\$ -	\$ -	\$ -
2028	54,953,068	1,491,938	53,461,129	54,207,099	7,242,786	7,242,786		\$ -	\$ -	\$ -	\$ -	\$ -
2029	53,461,129	1,491,938	51,969,191	52,715,160	7,084,506	7,084,506		\$ -	\$ -	\$ -	\$ -	\$ -
2030	51,969,191	1,491,938	50,477,252	51,223,222	6,926,226	6,926,226		\$ -	\$ -	\$ -	\$ -	\$ -
2031	50,477,252	1,491,938	48,985,314	49,731,283	6,767,946	6,767,946		\$ -	\$ -	\$ -	\$ -	\$ -
2032	48,985,314	1,491,938	47,493,375	48,239,345	6,609,666	6,609,666		\$ -	\$ -	\$ -	\$ -	\$ -
2033	47,493,375	1,491,938	46,001,437	46,747,406	6,451,385	6,451,385		\$ -	\$ -	\$ -	\$ -	\$ -
2034	46,001,437	1,491,938	44,509,498	45,255,468	6,293,105	6,293,105		\$ -	\$ -	\$ -	\$ -	\$ -
2035	44,509,498	1,491,938	43,017,560	43,763,529	6,134,825	6,134,825		\$ -	\$ -	\$ -	\$ -	\$ -
2036	43,017,560	1,491,938	41,525,621	42,271,591	5,976,545	5,976,545		\$ -	\$ -	\$ -	\$ -	\$ -
2037	41,525,621	1,491,938	40,033,683	40,779,652	5,818,264	5,818,264		\$ -	\$ -	\$ -	\$ -	\$ -
2038	40,033,683	1,491,938	38,541,744	39,287,714	5,659,984	5,659,984		\$ -	\$ -	\$ -	\$ -	\$ -
2039	38,541,744	1,491,938	37,049,806	37,795,775	5,501,704	5,501,704		\$ -	\$ -	\$ -	\$ -	\$ -
2040	37,049,806	1,491,938	35,557,867	35,557,867	5,343,424	5,343,424		\$ -	\$ -	\$ -	\$ -	\$ -
2041	35,557,867	1,491,938	34,065,929	34,811,898	5,185,144	5,185,144		\$ -	\$ -	\$ -	\$ -	\$ -
2042	34,065,929	1,491,938	32,573,990	33,319,960	5,026,863	5,026,863		\$ -	\$ -	\$ -	\$ -	\$ -
2043	32,573,990	1,491,938	31,082,052	31,828,021	4,868,583	4,868,583		\$ -	\$ -	\$ -	\$ -	\$ -
2044	31,082,052	1,491,938	29,590,113	30,336,083	4,710,303	4,710,303		\$ -	\$ -	\$ -	\$ -	\$ -
2045	29,590,113	1,491,938	28,098,175	28,844,144	4,552,023	4,552,023		\$ -	\$ -	\$ -	\$ -	\$ -
2046	28,098,175	1,491,938	26,606,236	27,352,206	4,393,743	4,393,743		\$ -	\$ -	\$ -	\$ -	\$ -
2047	26,606,236	1,491,938	25,114,298	25,860,267	4,235,462	4,235,462		\$ -	\$ -	\$ -	\$ -	\$ -
2048	25,114,298	1,491,938	23,622,360	24,368,329	4,077,182	4,077,182		\$ -	\$ -	\$ -	\$ -	\$ -
2049	23,622,360	1,491,938	22,130,421	22,876,390	3,918,902	3,918,902		\$ -	\$ -	\$ -	\$ -	\$ -
2050	22,130,421	1,491,938	20,638,483	21,384,452	3,760,622	3,760,622		\$ -	\$ -	\$ -	\$ -	\$ -
2051	20,638,483	1,491,938	19,146,544	19,892,513	3,602,341	3,602,341		\$ -	\$ -	\$ -	\$ -	\$ -
2052	19,146,544	1,491,938	17,654,606	18,400,575	3,444,061	3,444,061		\$ -	\$ -	\$ -	\$ -	\$ -
2053	17,654,606	1,491,938	16,162,667	16,908,636	3,285,781	3,285,781		\$ -	\$ -	\$ -	\$ -	\$ -
2054	16,162,667	1,491,938	14,670,729	15,416,698	3,127,501	3,127,501		\$ -	\$ -	\$ -	\$ -	\$ -
2055	14,670,729	1,491,938	13,178,790	13,924,759	2,969,221	2,969,221		\$ -	\$ -	\$ -	\$ -	\$ -
2056	13,178,790	1,491,938	11,686,852	12,432,821	2,810,940	2,810,940		\$ -	\$ -	\$ -	\$ -	\$ -
2057	11,686,852	1,491,938	10,194,913	10,940,882	2,652,660	2,652,660		\$ -	\$ -	\$ -	\$ -	\$ -
2058	10,194,913	1,491,938	8,702,975	9,448,944	2,494,380	2,494,380		\$ -	\$ -	\$ -	\$ -	\$ -
2059	8,702,975	1,491,938	7,211,036	7,957,005	2,336,100	2,336,100		\$ -	\$ -	\$ -	\$ -	\$ -
2060	7,211,036	1,491,938	5,719,098	6,465,067	2,177,819	2,177,819		\$ -	\$ -	\$ -	\$ -	\$ -
2061	5,719,098	1,491,938	4,227,159	4,973,128	2,019,539	2,019,539		\$ -	\$ -	\$ -	\$ -	\$ -
2062	4,227,159	1,491,938	2,735,221	3,481,190	1,861,259	1,861,259		\$ -	\$ -	\$ -	\$ -	\$ -
2063	2,735,221	1,491,938	1,243,282	1,989,251	1,702,979	1,702,979		\$ -	\$ -	\$ -	\$ -	\$ -
2064	1,243,282	1,243,282	-	621,641	1,309,232	1,309,232		\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2076	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2077	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	68,629,171		68,629,171		242,157,052	242,157,052		\$ -	\$ -	\$ -	\$ -	\$ -

\*\* 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: b2230 (replace existing 150 MVAR reactor at Amos 765kV substation)

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	81,170	81,170	-
Prior Yr True-Up	84,528	84,528	-
True-Up Adjustment	3,358	3,358	-

Details		705,825	Current Year	2021
Investment		705,825		
Service Year (yyyy)	2017		ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12		FCR w/o incentives, less depreciation	10.61%
Useful life	46		FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No		Annual Depreciation Expense	15,344

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average Balance	RTEP Rev. Req't w/o Incentives	RTEP Rev. Req't with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't From Prior Year WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2017	705,825	-	705,825	705,825	74,881	74,881		\$ -	\$ -	\$ -	\$ -	\$ -
2018	705,825	15,344	690,481	698,153	89,411	89,411		\$ -	\$ -	\$ -	\$ -	\$ -
2019	690,481	15,344	675,137	682,809	87,783	87,783		\$ 86,230	\$ 1,553	\$ 86,230	\$ 1,553	\$ -
2020	675,137	15,344	659,793	667,465	86,156	86,156		\$ 82,029	\$ 4,126	\$ 82,029	\$ 4,126	\$ -
2021	659,793	15,344	644,449	652,121	84,528	84,528		\$ 81,170	\$ 3,358	\$ 81,170	\$ 3,358	\$ -
2022	644,449	15,344	629,105	636,777	82,900	82,900		\$ -	\$ -	\$ -	\$ -	\$ -
2023	629,105	15,344	613,760	621,433	81,272	81,272		\$ -	\$ -	\$ -	\$ -	\$ -
2024	613,760	15,344	598,416	606,088	79,644	79,644		\$ -	\$ -	\$ -	\$ -	\$ -
2025	598,416	15,344	583,072	590,744	78,016	78,016		\$ -	\$ -	\$ -	\$ -	\$ -
2026	583,072	15,344	567,728	575,400	76,388	76,388		\$ -	\$ -	\$ -	\$ -	\$ -
2027	567,728	15,344	552,384	560,056	74,761	74,761		\$ -	\$ -	\$ -	\$ -	\$ -
2028	552,384	15,344	537,040	544,712	73,133	73,133		\$ -	\$ -	\$ -	\$ -	\$ -
2029	537,040	15,344	521,696	529,368	71,505	71,505		\$ -	\$ -	\$ -	\$ -	\$ -
2030	521,696	15,344	506,352	514,024	69,877	69,877		\$ -	\$ -	\$ -	\$ -	\$ -
2031	506,352	15,344	491,008	498,680	68,249	68,249		\$ -	\$ -	\$ -	\$ -	\$ -
2032	491,008	15,344	475,664	483,336	66,621	66,621		\$ -	\$ -	\$ -	\$ -	\$ -
2033	475,664	15,344	460,320	467,992	64,993	64,993		\$ -	\$ -	\$ -	\$ -	\$ -
2034	460,320	15,344	444,976	452,648	63,366	63,366		\$ -	\$ -	\$ -	\$ -	\$ -
2035	444,976	15,344	429,632	437,304	61,738	61,738		\$ -	\$ -	\$ -	\$ -	\$ -
2036	429,632	15,344	414,288	421,960	60,110	60,110		\$ -	\$ -	\$ -	\$ -	\$ -
2037	414,288	15,344	398,944	406,616	58,482	58,482		\$ -	\$ -	\$ -	\$ -	\$ -
2038	398,944	15,344	383,600	391,272	56,854	56,854		\$ -	\$ -	\$ -	\$ -	\$ -
2039	383,600	15,344	368,256	375,928	55,226	55,226		\$ -	\$ -	\$ -	\$ -	\$ -
2040	368,256	15,344	352,912	360,584	53,599	53,599		\$ -	\$ -	\$ -	\$ -	\$ -
2041	352,912	15,344	337,568	345,240	51,971	51,971		\$ -	\$ -	\$ -	\$ -	\$ -
2042	337,568	15,344	322,224	329,896	50,343	50,343		\$ -	\$ -	\$ -	\$ -	\$ -
2043	322,224	15,344	306,880	314,552	48,715	48,715		\$ -	\$ -	\$ -	\$ -	\$ -
2044	306,880	15,344	291,536	299,208	47,087	47,087		\$ -	\$ -	\$ -	\$ -	\$ -
2045	291,536	15,344	276,192	283,864	45,459	45,459		\$ -	\$ -	\$ -	\$ -	\$ -
2046	276,192	15,344	260,848	268,520	43,831	43,831		\$ -	\$ -	\$ -	\$ -	\$ -
2047	260,848	15,344	245,504	253,176	42,204	42,204		\$ -	\$ -	\$ -	\$ -	\$ -
2048	245,504	15,344	230,160	237,832	40,576	40,576		\$ -	\$ -	\$ -	\$ -	\$ -
2049	230,160	15,344	214,816	222,488	38,948	38,948		\$ -	\$ -	\$ -	\$ -	\$ -
2050	214,816	15,344	199,472	207,144	37,320	37,320		\$ -	\$ -	\$ -	\$ -	\$ -
2051	199,472	15,344	184,128	191,800	35,692	35,692		\$ -	\$ -	\$ -	\$ -	\$ -
2052	184,128	15,344	168,784	176,456	34,064	34,064		\$ -	\$ -	\$ -	\$ -	\$ -
2053	168,784	15,344	153,440	161,112	32,436	32,436		\$ -	\$ -	\$ -	\$ -	\$ -
2054	153,440	15,344	138,096	145,768	30,809	30,809		\$ -	\$ -	\$ -	\$ -	\$ -
2055	138,096	15,344	122,752	130,424	29,181	29,181		\$ -	\$ -	\$ -	\$ -	\$ -
2056	122,752	15,344	107,408	115,080	27,553	27,553		\$ -	\$ -	\$ -	\$ -	\$ -
2057	107,408	15,344	92,064	99,736	25,925	25,925		\$ -	\$ -	\$ -	\$ -	\$ -
2058	92,064	15,344	76,720	84,392	24,297	24,297		\$ -	\$ -	\$ -	\$ -	\$ -
2059	76,720	15,344	61,376	69,048	22,669	22,669		\$ -	\$ -	\$ -	\$ -	\$ -
2060	61,376	15,344	46,032	53,704	21,041	21,041		\$ -	\$ -	\$ -	\$ -	\$ -
2061	46,032	15,344	30,688	38,360	19,414	19,414		\$ -	\$ -	\$ -	\$ -	\$ -
2062	30,688	15,344	15,344	23,016	17,786	17,786		\$ -	\$ -	\$ -	\$ -	\$ -
2063	15,344	15,344	-	7,672	16,158	16,158		\$ -	\$ -	\$ -	\$ -	\$ -
2064	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2065	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
2076	-	-	-	-	-	-		\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	705,825		705,825		2,502,972	2,502,972		\$ -	\$ -	\$ -	\$ -	\$ -

\*\* 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.

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: b2423 Install a 300 MVAR shunt reactor at AEP's Wyoming 765 kV station.

2021	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected		16,151	16,151
Prior Yr True-Up		11,416	11,416
True-Up Adjustment		(4,736)	(4,736)

Details		Current Year	2021
Investment	93,231		
Service Year (yyyy)	2019	ROE increase accepted by FERC (Base Points)	-
Service Month (1-12)	2	FCR w/o incentives, less depreciation	10.61%
Useful life	46	FCR w/incentives approved for these facilities, less dep.	10.61%
CIAC (Yes or No)	No	Annual Depreciation Expense	2,027

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 **
2019	93,231	1,689	91,542	92,387	11,490	11,490	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2020	91,542	2,027	89,515	90,529	11,631	11,631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	89,515	2,027	87,489	88,502	11,416	11,416	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022	87,489	2,027	85,462	86,475	11,201	11,201	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2023	85,462	2,027	83,435	84,448	10,986	10,986	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024	83,435	2,027	81,408	82,422	10,771	10,771	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2025	81,408	2,027	79,382	80,395	10,556	10,556	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2026	79,382	2,027	77,355	78,368	10,341	10,341	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2027	77,355	2,027	75,328	76,341	10,126	10,126	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2028	75,328	2,027	73,301	74,315	9,911	9,911	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2029	73,301	2,027	71,275	72,288	9,696	9,696	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2030	71,275	2,027	69,248	70,261	9,481	9,481	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2031	69,248	2,027	67,221	68,234	9,266	9,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2032	67,221	2,027	65,194	66,208	9,051	9,051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2033	65,194	2,027	63,167	64,181	8,836	8,836	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2034	63,167	2,027	61,141	62,154	8,621	8,621	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2035	61,141	2,027	59,114	60,127	8,406	8,406	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2036	59,114	2,027	57,087	58,101	8,191	8,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2037	57,087	2,027	55,060	56,074	7,976	7,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2038	55,060	2,027	53,034	54,047	7,761	7,761	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2039	53,034	2,027	51,007	52,020	7,546	7,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2040	51,007	2,027	48,980	49,984	7,331	7,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2041	48,980	2,027	46,953	47,967	7,116	7,116	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2042	46,953	2,027	44,927	45,940	6,901	6,901	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2043	44,927	2,027	42,900	43,913	6,686	6,686	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2044	42,900	2,027	40,873	41,886	6,471	6,471	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2045	40,873	2,027	38,846	39,860	6,255	6,255	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2046	38,846	2,027	36,820	37,833	6,040	6,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2047	36,820	2,027	34,793	35,806	5,825	5,825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2048	34,793	2,027	32,766	33,779	5,610	5,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2049	32,766	2,027	30,739	31,753	5,395	5,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2050	30,739	2,027	28,712	29,726	5,180	5,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2051	28,712	2,027	26,686	27,699	4,965	4,965	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2052	26,686	2,027	24,659	25,672	4,750	4,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2053	24,659	2,027	22,632	23,646	4,535	4,535	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2054	22,632	2,027	20,605	21,619	4,320	4,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2055	20,605	2,027	18,579	19,592	4,105	4,105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2056	18,579	2,027	16,552	17,565	3,890	3,890	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2057	16,552	2,027	14,525	15,539	3,675	3,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2058	14,525	2,027	12,498	13,512	3,460	3,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2059	12,498	2,027	10,472	11,485	3,245	3,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2060	10,472	2,027	8,445	9,458	3,030	3,030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2061	8,445	2,027	6,418	7,431	2,815	2,815	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2062	6,418	2,027	4,391	5,405	2,600	2,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2063	4,391	2,027	2,365	3,378	2,385	2,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2064	2,365	2,027	338	1,351	2,170	2,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2065	338	338	-	169	356	356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2066	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2067	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2068	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2069	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2070	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2071	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2072	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2073	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2074	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2075	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2076	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2077	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2078	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Project Totals	93,231		232,371	322,371	322,371	322,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

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

AEP East Companies  
Cost of Service Formula Rate Using 2021 FF1 Balances  
Worksheet L Reserved for Future Use  
Appalachian Power Company

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

Line No	Month (a)	Average Balance of Common Equity				Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	4,345,141,416	-	(3,463,213)	7,921,383	4,340,683,245
2	January	4,395,560,938	-	(3,463,213)	7,133,073	4,391,891,078
3	February	4,425,034,584	-	(3,463,213)	7,058,751	4,421,439,045
4	March	4,462,374,597	-	(3,463,213)	15,108,613	4,450,729,197
5	April	4,481,101,794	-	(3,463,213)	15,039,035	4,469,525,971
6	May	4,497,648,765	-	(3,463,213)	14,969,457	4,486,142,520
7	June	4,514,869,290	-	(3,463,213)	13,837,918	4,504,494,585
8	July	4,554,062,395	-	(3,463,213)	13,768,341	4,543,757,267
9	August	4,578,174,648	-	(3,463,213)	13,698,763	4,567,939,097
10	September	4,587,409,642	-	(3,463,213)	12,567,224	4,578,305,631
11	October	4,613,362,389	-	(3,463,213)	12,497,646	4,604,327,955
12	November	4,616,879,720	-	(3,463,213)	12,428,068	4,607,914,864
13	December of Rate Year	4,648,036,287	-	(3,463,213)	24,379,199	4,627,120,300
14	Average of the 13 Monthly Balances	4,516,896,651	-	(3,463,213)	13,108,267	4,507,251,597

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Acct 221 Bonds (b)	Less: Acct 222 Reacquired Bonds (c)	Acct 223 LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
	(Note A)	(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	225,471,913	-	-	4,650,495,969	-	4,875,967,882
16	January	225,471,913	-	-	4,650,489,301	-	4,875,961,214
17	February	213,015,776	-	-	4,650,482,556	-	4,863,498,332
18	March	213,015,776	-	-	4,800,475,734	-	5,013,491,510
19	April	213,015,776	-	-	4,782,968,834	-	4,995,984,610
20	May	213,015,776	-	-	4,782,961,856	-	4,995,977,632
21	June	213,015,776	-	-	4,782,954,797	-	4,995,970,573
22	July	213,015,776	-	-	4,782,947,658	-	4,995,963,434
23	August	200,079,231	-	-	4,782,940,519	-	4,983,019,750
24	September	200,079,231	-	-	4,782,933,217	-	4,983,012,448
25	October	200,079,231	-	-	4,782,925,748	-	4,983,004,979
26	November	200,079,231	-	-	4,782,918,277	-	4,982,997,508
27	December of Rate Year	200,079,231	-	-	4,782,910,721	-	4,982,989,952
28	Average of the 13 Monthly Balances	209,956,511	-	-	4,753,723,476	-	4,963,679,986

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

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	<b>Annual Interest Expense for 2021</b>						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)				211,947,638		
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 50 below.				(10,842,628)		
32	Plus: Allowed Hedge Recovery From Ln 55 below.				(1,103,221)		
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)				4,116,805		
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)				3,866,685		
35	Less: Amort of Premium on Debt - Acct 429 (117.65.c)						
36	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)						
37	<b>Total Interest Expense (Ln 30 - 31 + 32 + 33 + 34 - 35 - 36)</b>				229,670,535		
38	<b>Average Cost of Debt for 2021 (Ln 37/ Ln 28 (g))</b>				<b>4.63%</b>		

**CALCULATION OF RECOVERABLE HEDGE GAINS/LOSSES**

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

HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	Total Hedge (Gain)/Loss for 2021	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Amortization Period		
				Remaining Unamortized Balance	Beginning	Ending
40 Senior Unsecured Notes - Series I	-	-	-	-	Jan-05	Jul-14
41 Senior Unsecured Notes - Series K	-	-	-	-	Jun-05	May-15
42 Senior Unsecured Notes - Series L	-	-	-	-	Sep-05	Sep-15
43 Senior Unsecured Notes - Series H	37,071	-	37,071	420,142	May-03	May-33
44 Senior Unsecured Notes - Series N	(194,198)	-	(194,198)	(2,767,328)	Apr-06	Apr-36
45 Senior Unsecured Notes - Series Q	159,671	-	159,671	2,587,993	Mar-08	Apr-38
46 Senior Unsecured Notes - Series S	-	-	-	-	May-10	May-15
47 Senior Unsecured Notes - Series T	(251,430)	-	(251,430)	-	Mar-11	Mar-21
48 Senior Unsecured Notes - Series AA	(10,593,741)	(9,739,407)	(854,334)	(9,739,407)	Mar-21	Mar-31
49				(9,498,601)		
50 Total Hedge Amortization	(10,842,628)	(9,739,407)				
51 Hedge Gain or Loss Prior to Application of Recovery Limit (Sum of Lines 40 to 48)			(1,103,221)			
52 Total Average Capital Structure Balance for 2021 (TCOS, Ln 157)			9,470,931,583			
53 Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005			
54 Limit of Recoverable Amount			4,735,466			
55 Recoverable Hedge Amortization (Lesser of Ln 51 or Ln 54)			<b>(1,103,221)</b>			

**Development of Cost of Preferred Stock**

Preferred Stock			Average
56 0% Series - 0 - Dividend Rate (p. 250-251)		0.000%	0.000%
57 0% Series - 0 - Par Value (p. 250-251)	\$ -	\$ -	-
58 0% Series - 0 - Shares O/S (p.250-251)	-	-	-
59 0% Series - 0 - Monetary Value (Ln 57 * Ln 58)	-	-	-
60 0% Series - 0 - Dividend Amount (Ln 56 * Ln 59)	-	-	-
61 0% Series - 0 - Dividend Rate (p. 250-251)		0.000%	0.000%

62 0% Series - 0 - Par Value (p. 250-251)	\$	-	\$	-	
63 0% Series - 0 - Shares O/S (p.250-251)		-		-	
64 0% Series - 0 - Monetary Value (Ln 62 * Ln 63)		-		-	-
65 0% Series - 0 - Dividend Amount (Ln 61 * Ln 64)		-		-	-
66 0% Series - 0 - Dividend Rate (p. 250-251)		0.000%		0.000%	
67 0% Series - 0 - Par Value (p. 250-251)	\$	-	\$	-	
68 0% Series - 0 - Shares O/S (p.250-251)		-		-	
69 0% Series - 0 - Monetary Value (Ln 67 * Ln 68)		-		-	-
70 0% Series - 0 - Dividend Amount (Ln 66 * Ln 69)		-		-	-
71 <b>Balance of Preferred Stock (Lns 59, 64, 69)</b>		-		-	- Year End Total Agrees to FF1 p.112, Ln 3, col (c ) & (d)
72 <b>Dividends on Preferred Stock (Lns 60, 65, 70)</b>		-		-	
73 <b>Average Cost of Preferred Stock (Ln 72/71)</b>		0.00%		0.00%	<b>0.00%</b>

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

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

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

Net (Gain) or Loss for 2021

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

1 Total AEP East Operating Company PBOP Settlement Amount 52,287,952

**Allocation of PBOP Settlement Amount for 2021**

Line#	Company	Actual Expense	Total Company Amount			One Year Functional		
		(Including AEPSC Billed OPEB)	Ratio of Company Actual to Total	Allocation of PBOB Recovery Allowance	Labor Allocator for 2021	Actual Expense	Allowable Expense	Expense (Over)/Under
		(A)	(B)=(A)/Total (A)	(C)=(B) * 52287952	(D)	(E)=(A) * (D)	(F)=(C) * (D)	(G)=(E) - (F)
		(Line 14)						
2	APCo	(23,618,642)	35.96%	18,800,431	10.674%	(2,520,994)	2,006,710	(4,527,704)
3	I&M	(17,706,525)	26.96%	14,094,387	4.922%	(871,558)	693,760	(1,565,318)
4	KPCo	(5,480,767)	8.34%	4,362,689	9.803%	(537,269)	427,666	(964,935)
5	KNGP	(551,450)	0.84%	438,954	10.629%	(58,612)	46,656	(105,268)
6	OPCo	(17,282,862)	26.31%	13,757,152	12.769%	(2,206,858)	1,756,658	(3,963,516)
7	WPCo	(1,048,165)	1.60%	834,339	2.864%	(30,020)	23,896	(53,917)
8	<b>Sum of Lines 2 to 7</b>	<b>(65,688,411)</b>		<b>52,287,952</b>		<b>(6,225,311)</b>	<b>4,955,346</b>	<b>(11,180,657)</b>

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

	APCo	I&M	KPCo	KNGSPT	OPCo	WPCo	AEP East Total
9 Direct Charged PBOP Expense per Actuarial Report	(18,515,130)	(15,962,872)	(4,599,013)	(411,310)	(12,990,946)	(492,981)	(52,972,252)
10 Additional PBOP Ledger Entries (from Company Records)	567,303	2,049,361	482,739	0	(0)	(440,209)	
11 Medicare Subsidy							
12 Net Company Expense (Ln 9 + Ln 10 + Ln 11)	(17,947,827)	(13,913,511)	(4,116,274)	(411,310)	(12,990,946)	(933,190)	(50,313,058)
13 PBOP Expenses From AEP Service Corporation (from Company Records)	(5,670,815)	(3,793,014)	(1,364,493)	(140,140)	(4,291,916)	(114,975)	(15,375,353)
14 Company PBOP Expense (Ln 12 + Ln 13)	(23,618,642)	(17,706,525)	(5,480,767)	(551,450)	(17,282,862)	(1,048,165)	(65,688,411)

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

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

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

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

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

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

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

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

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

**GENERAL NOTES:**

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

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

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

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

	INDIANA				MICHIGAN AND FERC			COMPANY
	(1) PLANT ACCT.	IURC RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	(2) MPSC APPROVED RATES	ALLOCATION FACTOR (4)	WTD AVG. DEPREC. RATE	WTD AVG. DEPREC. RATE
<b>TRANSMISSION PLANT</b>								
Land Improvements	350.1	1.6600%	0.662335	1.0995%	1.6200%	0.337665	0.5470%	1.65%
Structures & Improvements	352.0	1.7700%	0.662335	1.1723%	1.7400%	0.337665	0.5875%	1.76%
Station Equipment	353.0	2.4300%	0.662335	1.6095%	2.4100%	0.337665	0.8138%	2.42%
Towers & Fixtures	354.0	2.5700%	0.662335	1.7022%	2.4500%	0.337665	0.8273%	2.53%
Poles & Fixtures	355.0	3.1900%	0.662335	2.1128%	3.1700%	0.337665	1.0704%	3.18%
Overhead Conductors	356.0	2.3500%	0.662335	1.5565%	2.2800%	0.337665	0.7699%	2.33%
Underground Conduit	357.0	2.3000%	0.662335	1.5234%	2.2100%	0.337665	0.7462%	2.27%
Underground Conductors	358.0	1.9300%	0.662335	1.2783%	1.9000%	0.337665	0.6416%	1.92%
Trails & Roads	359.0	1.6100%	0.662335	1.0664%	1.5900%	0.337665	0.5369%	1.60%
<b>GENERAL PLANT</b>								
	390.0	2.0800%	0.681868	1.4183%	2.0800%	0.318132	0.6617%	2.08%
	391.0	4.7900%	0.681868	3.2661%	4.8400%	0.318132	1.5398%	4.81%
\$0 at Dec 2018 - use old rate	392.0	4.6400%	0.681868	3.1639%	4.6900%	0.318132	1.4889%	4.65%
	393.0	7.3500%	0.681868	5.0117%	7.3800%	0.318132	2.3478%	7.36%
	394.0	6.9900%	0.681868	4.7663%	7.0700%	0.318132	2.2492%	7.02%
	395.0	5.4100%	0.681868	3.6889%	5.4600%	0.318132	1.7370%	5.43%
	396.0	4.8100%	0.681868	3.2798%	4.9000%	0.318132	1.5588%	4.84%
	397.0	3.9100%	0.681868	2.6661%	3.9300%	0.318132	1.2503%	3.92%
	398.0	3.3200%	0.681868	2.2638%	3.3500%	0.318132	1.0657%	3.33%

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

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

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

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

**GENERAL NOTES:**

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

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

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

Reference:

Note 1: Rates Approved In Tennessee Regulatory Authority Docket No. 16-00001.  
K

Note 2: Kingsport Power Company does not have investment in plant accounts 357 or 358. Therefore, there are no depreciation rates approved

**General Note**

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

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

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

Reference:

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

**General Note**

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

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

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

Reference:

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

**General Note:**

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

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

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

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

**General Note:**

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

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

Reconciliation Revenue Requirement For Year 2018 Available May 25, 2019 <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> \$0	-	2018 Forecasted Revenue Requirement For Year 2018 <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> \$0	=	True-up Adjustment - Over (Under) Recovery <hr style="border: 0; border-top: 1px solid black; margin-top: 5px;"/> \$0
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<b>Interest Rate on Amount of Refunds or Surcharges from 35.19a</b>	<b>Over (Under) Recovery Plus Interest</b>	<b>Average Monthly Interest Rate</b>	<b>Months</b>	<b>Calculated Interest</b>	<b>Amortization</b>	<b>Surcharge (Refund) Owed</b>
		0.4095%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

<u>Calculation of Interest</u>					<b>Monthly</b>	
January	Year 2018	-	0.4095%	12	-	-
February	Year 2018	-	0.4095%	11	-	-
March	Year 2018	-	0.4095%	10	-	-
April	Year 2018	-	0.4095%	9	-	-
May	Year 2018	-	0.4095%	8	-	-
June	Year 2018	-	0.4095%	7	-	-
July	Year 2018	-	0.4095%	6	-	-
August	Year 2018	-	0.4095%	5	-	-
September	Year 2018	-	0.4095%	4	-	-
October	Year 2018	-	0.4095%	3	-	-
November	Year 2018	-	0.4095%	2	-	-
December	Year 2018	-	0.4095%	1	-	-
					-	-
					<b>Annual</b>	
January through December	Year 2019	-	0.4095%	12	-	-
					<b>Monthly</b>	
January	Year 2020	-	0.4095%		-	-
February	Year 2020	-	0.4095%		-	-
March	Year 2020	-	0.4095%		-	-
April	Year 2020	-	0.4095%		-	-
May	Year 2020	-	0.4095%		-	-
June	Year 2020	-	0.4095%		-	-
July	Year 2020	-	0.4095%		-	-
August	Year 2020	-	0.4095%		-	-
September	Year 2020	-	0.4095%		-	-
October	Year 2020	-	0.4095%		-	-
November	Year 2020	-	0.4095%		-	-
December	Year 2020	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2020	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2021	-	0.4095%		-	-
February	Year 2021	-	0.4095%		-	-
March	Year 2021	-	0.4095%		-	-
April	Year 2021	-	0.4095%		-	-
May	Year 2021	-	0.4095%		-	-
June	Year 2021	-	0.4095%		-	-
July	Year 2021	-	0.4095%		-	-
August	Year 2021	-	0.4095%		-	-
September	Year 2021	-	0.4095%		-	-
October	Year 2021	-	0.4095%		-	-
November	Year 2021	-	0.4095%		-	-
December	Year 2021	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2021	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2022	-	0.4095%		-	-
February	Year 2022	-	0.4095%		-	-
March	Year 2022	-	0.4095%		-	-
April	Year 2022	-	0.4095%		-	-
May	Year 2022	-	0.4095%		-	-
June	Year 2022	-	0.4095%		-	-
July	Year 2022	-	0.4095%		-	-
August	Year 2022	-	0.4095%		-	-
September	Year 2022	-	0.4095%		-	-
October	Year 2022	-	0.4095%		-	-
November	Year 2022	-	0.4095%		-	-
December	Year 2022	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2022	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2023	-	0.4095%		-	-
February	Year 2023	-	0.4095%		-	-
March	Year 2023	-	0.4095%		-	-
April	Year 2023	-	0.4095%		-	-
May	Year 2023	-	0.4095%		-	-
June	Year 2023	-	0.4095%		-	-
July	Year 2023	-	0.4095%		-	-
August	Year 2023	-	0.4095%		-	-
September	Year 2023	-	0.4095%		-	-
October	Year 2023	-	0.4095%		-	-
November	Year 2023	-	0.4095%		-	-
December	Year 2023	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2023	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2024	-	0.4095%		-	-
February	Year 2024	-	0.4095%		-	-
March	Year 2024	-	0.4095%		-	-
April	Year 2024	-	0.4095%		-	-
May	Year 2024	-	0.4095%		-	-
June	Year 2024	-	0.4095%		-	-
July	Year 2024	-	0.4095%		-	-
August	Year 2024	-	0.4095%		-	-
September	Year 2024	-	0.4095%		-	-
October	Year 2024	-	0.4095%		-	-
November	Year 2024	-	0.4095%		-	-
December	Year 2024	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2024	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2025	-	0.4095%		-	-
February	Year 2025	-	0.4095%		-	-
March	Year 2025	-	0.4095%		-	-
April	Year 2025	-	0.4095%		-	-
May	Year 2025	-	0.4095%		-	-
June	Year 2025	-	0.4095%		-	-
July	Year 2025	-	0.4095%		-	-
August	Year 2025	-	0.4095%		-	-
September	Year 2025	-	0.4095%		-	-
October	Year 2025	-	0.4095%		-	-
November	Year 2025	-	0.4095%		-	-
December	Year 2025	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2025	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2026	-	0.4095%		-	-
February	Year 2026	-	0.4095%		-	-
March	Year 2026	-	0.4095%		-	-
April	Year 2026	-	0.4095%		-	-
May	Year 2026	-	0.4095%		-	-
June	Year 2026	-	0.4095%		-	-
July	Year 2026	-	0.4095%		-	-
August	Year 2026	-	0.4095%		-	-
September	Year 2026	-	0.4095%		-	-
October	Year 2026	-	0.4095%		-	-
November	Year 2026	-	0.4095%		-	-
December	Year 2026	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2026	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2027	-	0.4095%		-	-
February	Year 2027	-	0.4095%		-	-
March	Year 2027	-	0.4095%		-	-
April	Year 2027	-	0.4095%		-	-
May	Year 2027	-	0.4095%		-	-
June	Year 2027	-	0.4095%		-	-
July	Year 2027	-	0.4095%		-	-
August	Year 2027	-	0.4095%		-	-
September	Year 2027	-	0.4095%		-	-
October	Year 2027	-	0.4095%		-	-
November	Year 2027	-	0.4095%		-	-
December	Year 2027	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2027	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2028	-	0.4095%		-	-
February	Year 2028	-	0.4095%		-	-
March	Year 2028	-	0.4095%		-	-
April	Year 2028	-	0.4095%		-	-
May	Year 2028	-	0.4095%		-	-
June	Year 2028	-	0.4095%		-	-
July	Year 2028	-	0.4095%		-	-
August	Year 2028	-	0.4095%		-	-
September	Year 2028	-	0.4095%		-	-
October	Year 2028	-	0.4095%		-	-
November	Year 2028	-	0.4095%		-	-
December	Year 2028	-	0.4095%		-	-
					-	-
					<b>Annual</b>	
January through December	Year 2028	-	0.4095%		-	-
					<b>Monthly</b>	
January	Year 2029	-	0.4095%		-	-
February	Year 2029	-	0.4095%		-	-
March	Year 2029	-	0.4095%		-	-
April	Year 2029	-	0.4095%		-	-
May	Year 2029	-	0.4095%		-	-
June	Year 2029	-	0.4095%		-	

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

Reconciliation Revenue Requirement For Year 2018 Available May 25, 2019 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> \$0	-	2018 Forecasted Revenue Requirement For Year 2018 <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> \$0	=	True-up Adjustment - Over (Under) Recovery <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> \$0
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Interest Rate on Amount of Refunds or Surcharges from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.4095%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
<b>An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020</b>						
<b>Calculation of Interest</b>				<b>Monthly</b>		
January	Year 2018	-	0.4095%	12	-	-
February	Year 2018	-	0.4095%	11	-	-
March	Year 2018	-	0.4095%	10	-	-
April	Year 2018	-	0.4095%	9	-	-
May	Year 2018	-	0.4095%	8	-	-
June	Year 2018	-	0.4095%	7	-	-
July	Year 2018	-	0.4095%	6	-	-
August	Year 2018	-	0.4095%	5	-	-
September	Year 2018	-	0.4095%	4	-	-
October	Year 2018	-	0.4095%	3	-	-
November	Year 2018	-	0.4095%	2	-	-
December	Year 2018	-	0.4095%	1	-	-
				<hr style="border: 0; border-top: 1px solid black;"/>	-	-
				<b>Annual</b>		
January through December	Year 2019	-	0.4095%	12	-	-
<b>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</b>				<b>Monthly</b>		
January	Year 2020	-	0.4095%	-	-	-
February	Year 2020	-	0.4095%	-	-	-
March	Year 2020	-	0.4095%	-	-	-
April	Year 2020	-	0.4095%	-	-	-
May	Year 2020	-	0.4095%	-	-	-
June	Year 2020	-	0.4095%	-	-	-
July	Year 2020	-	0.4095%	-	-	-
August	Year 2020	-	0.4095%	-	-	-
September	Year 2020	-	0.4095%	-	-	-
October	Year 2020	-	0.4095%	-	-	-
November	Year 2020	-	0.4095%	-	-	-
December	Year 2020	-	0.4095%	-	-	-
				<hr style="border: 0; border-top: 1px solid black;"/>	-	-
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.

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

Reconciliation Revenue Requirement For Year 2018 Available May 25, 2019 <hr style="border: 1px solid cyan;"/> \$0	-	2018 Forecasted Revenue Requirement For Year 2018 <hr style="border: 1px solid cyan;"/> \$0	=	True-up Adjustment - Over (Under) Recovery <hr style="border: 1px solid cyan;"/> \$0
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Interest Rate on Amount of Refunds or Surcharge from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.4095%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

<u>Calculation of Interest</u>				Monthly		
January	Year 2018	-	0.4095%	12	-	-
February	Year 2018	-	0.4095%	11	-	-
March	Year 2018	-	0.4095%	10	-	-
April	Year 2018	-	0.4095%	9	-	-
May	Year 2018	-	0.4095%	8	-	-
June	Year 2018	-	0.4095%	7	-	-
July	Year 2018	-	0.4095%	6	-	-
August	Year 2018	-	0.4095%	5	-	-
September	Year 2018	-	0.4095%	4	-	-
October	Year 2018	-	0.4095%	3	-	-
November	Year 2018	-	0.4095%	2	-	-
December	Year 2018	-	0.4095%	1	-	-
				-	-	-

January through December Year 2019	-	0.4095%	12	-	-	-
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<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly		
January	Year 2020	-	0.4095%	-	-	-
February	Year 2020	-	0.4095%	-	-	-
March	Year 2020	-	0.4095%	-	-	-
April	Year 2020	-	0.4095%	-	-	-
May	Year 2020	-	0.4095%	-	-	-
June	Year 2020	-	0.4095%	-	-	-
July	Year 2020	-	0.4095%	-	-	-
August	Year 2020	-	0.4095%	-	-	-
September	Year 2020	-	0.4095%	-	-	-
October	Year 2020	-	0.4095%	-	-	-
November	Year 2020	-	0.4095%	-	-	-
December	Year 2020	-	0.4095%	-	-	-
				-	-	-

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

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