

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

West Virginia Transmission Company

For Twelve Months Ended

2019

Line No.						Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 113)				\$126,498,547
2	REVENUE CREDITS	(Worksheet E, ln 8) (Note A)	Total	401,000	DA	1.00000
3	Facility Credits under PJM OATT Section 30.9	Worksheet E, ln 9) (Note X)				0
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)				\$ 126,097,547

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)	43,798,279	DA	1.00000	\$	43,798,279
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)					
7	Annual Rate	((ln 1- ln 80)/((ln 33) x 100))				12.38%
8	Monthly Rate	(ln 7 / 12)				1.03%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)					
10	Annual Rate	((ln 1- ln 80 - ln 83)/((ln 33) x 100))				10.66%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)					
12	Annual Rate	((ln 1 - ln 80 - ln 83 - ln 108 - ln 109) /((ln 33) x 100))				2.70%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note B) (Worksheet J/K)					-
14	REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES					
15	Total Load Dispatch & Scheduling (Account 561)	Line 63 Below				779,000
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)					
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)					
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)				779,000

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	(1)	(2)	(3)	(4)	(5)
	<u>RATE BASE CALCULATION</u>	<u>Data Sources</u> <u>(See "General Notes")</u>	<u>TO Total</u> <u>NOTE C</u>	<u>Allocator</u>	<u>Total</u> <u>Transmission</u>
Line No.					
19	GROSS PLANT IN SERVICE				
20	Transmission	(Worksheet A In 14.(d) & Ln 117)	1,063,185,615	DA 1.00000	1,063,185,615
21	Less: Transmission ARO (Enter Negative)	(Worksheet A In 14.(e))	-	TP 1.00000	-
22	General Plant	(Worksheet A In 14.(h))	16,000	W/S 1.00000	16,000
23	Less: General Plant ARO (Enter Negative)	(Worksheet A In 14.(i))	-	W/S 1.00000	-
24	Intangible Plant	(Worksheet A In 14.(j))	6,969,000	W/S 1.00000	6,969,000
25	TOTAL GROSS PLANT	(Sum of Lines: 19 to 23)	1,070,170,615	GP= 1.000000 GTD= 1.00000	1,070,170,615
26	ACCUMULATED DEPRECIATION AND AMORTIZATION				
27	Transmission	(Worksheet A In 28.(d) & Ln 43.(b))	41,788,154	TP1= 1.00000	41,788,154
28	Less: Transmission ARO (Enter Negative)	(Worksheet A In 28.(e))	-	TP1= 1.00000	-
29	General Plant	(Worksheet A In 28.(h))	1,000	W/S 1.00000	1,000
30	Less: General Plant ARO (Enter Negative)	(Worksheet A In 28.(i))	-	W/S 1.00000	-
31	Intangible Plant	(Worksheet A In 28.(j))	3,172,462	W/S 1.00000	3,172,461.54
32	TOTAL ACCUMULATED DEPRECIATION	(Sum of Lines: 26 to 30)	44,961,615		44,961,615
33	NET PLANT IN SERVICE				
34	Transmission	(In 19 + In 20 - In 26 - In 27)	1,021,397,462		1,021,397,462
35	General Plant	(In 21 + In 22 - In 28 - In 29)	15,000		15,000
36	Intangible Plant	(In 23 - In 30)	3,796,538		3,796,538
37	TOTAL NET PLANT IN SERVICE	(Sum of Lines: 33 to 35)	1,025,209,000	NP= 1.000000	1,025,209,000
38	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)			
39	Account No. 281.1 (enter negative)	(Worksheet B, In 2 & In 5.E)	-	NA	-
40	Account No. 282.1 (enter negative)	(Worksheet B, In 7 & In 10.E)	(106,917,753)	DA	(153,959,424)
41	Account No. 283.1 (enter negative)	(Worksheet B, In 12 & In 15.E)	(32,982,247)	DA	(26,423,358)
42	Account No. 190.1	(Worksheet B, In 17 & In 20.E)	21,149,000	DA	6,990,270
43	Account No. 255 (enter negative)	(Worksheet B, In 24 & In 25.E)	-	DA	-
44	TOTAL ADJUSTMENTS	(sum Ins 38 to 42)	(118,751,000)		(173,392,512)
45	PLANT HELD FOR FUTURE USE	(Worksheet A In 44.(e)) In 45.(e))	-	DA	-
46	REGULATORY ASSETS	(Worksheet A In 51.(e))	-	DA	-
47	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A In 54.(e))		W/S 1.00000	
48	WORKING CAPITAL	(Note E)			
49	Cash Working Capital	(1/8 * In 66)	1,887,750		1,887,750
50	Transmission Materials & Supplies	(Worksheet C, In 2.(F))	3,279,000	TP 1.00000	3,279,000
51	A&G Materials & Supplies	(Worksheet C, In 3.(F))	-	W/S 1.00000	-
52	Stores Expense	(Worksheet C, In 4.(F))	-	GP 1.00000	-
53	Prepayments (Account 165) - Labor Allocated	(Worksheet C, In 8.(G))	-	W/S 1.00000	-
54	Prepayments (Account 165) - Gross Plant	(Worksheet C, In 8.(F))	216,564	GP 1.00000	216,564
55	Prepayments (Account 165) - Transmission Only	(Worksheet C, In 8.(E))	-	DA 1.00000	-
56	Prepayments (Account 165) - Unallocable	(Worksheet C, In 8.(D))	-	NA 0.00000	-
57	TOTAL WORKING CAPITAL	(sum Ins 48 to 55)	5,383,314		5,383,314
58	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, In 8.B)	-	DA 1.00000	-
59	RATE BASE (sum Ins 36, 43, 44, 45, 46, 56, 57)		911,841,314		857,199,802

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

		Gross Plant In Service				
Line No	Month (a)	Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 99	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), ln 5
1	December Prior to Rate Year	901,306,000	-	16,000	-	6,969,000
2	January	903,920,000	-	16,000	-	6,969,000
3	February	908,100,000	-	16,000	-	6,969,000
4	March	918,162,000	-	16,000	-	6,969,000
5	April	919,402,000	-	16,000	-	6,969,000
6	May	977,093,000	-	16,000	-	6,969,000
7	June	1,119,903,000	-	16,000	-	6,969,000
8	July	1,125,174,000	-	16,000	-	6,969,000
9	August	1,139,236,000	-	16,000	-	6,969,000
10	September	1,169,714,000	-	16,000	-	6,969,000
11	October	1,174,294,000	-	16,000	-	6,969,000
12	November	1,212,903,000	-	16,000	-	6,969,000
13	December of Rate Year	1,352,206,000	-	16,000	-	6,969,000
14	Average of the 13 Monthly Balances	1,063,185,615	-	16,000	-	6,969,000

		Accumulated Depreciation				
Line No	Month (a)	Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, ln 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, ln 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, ln 21, Col. (b)
15	December Prior to Rate Year	33,907,000	-	1,000	-	2,514,000
16	January	35,112,000	-	1,000	-	2,624,000
17	February	36,320,000	-	1,000	-	2,734,000
18	March	37,535,000	-	1,000	-	2,843,000
19	April	38,762,000	-	1,000	-	2,953,000
20	May	39,991,000	-	1,000	-	3,063,000
21	June	41,301,000	-	1,000	-	3,172,000
22	July	42,818,000	-	1,000	-	3,282,000
23	August	44,343,000	-	1,000	-	3,392,000
24	September	45,888,000	-	1,000	-	3,502,000
25	October	47,477,000	-	1,000	-	3,611,000
26	November	49,071,000	-	1,000	-	3,721,000
27	December of Rate Year	50,721,000	-	1,000	-	3,831,000
28	Average of the 13 Monthly Balances	41,788,154	-	1,000	-	3,172,462

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

Line No	Month (a)	OATT Ancillary Services (GSU) Plant In Service (b)	OATT Ancillary Services (GSU) Accumulated Depreciation (c)	Excluded Plant - Plant In Service (d)	Excluded Plant - Accumulated Depreciation (e)
	(Note A)	Company Records (included in total in column (d) of gross plant above)	Company Records (included in total in column (d) of accumulated depreciation above)	Company Records	Company Records
29	December Prior to Rate Year	-	-	-	-
30	January	-	-	-	-
31	February	-	-	-	-
32	March	-	-	-	-
33	April	-	-	-	-
34	May	-	-	-	-
35	June	-	-	-	-
36	July	-	-	-	-
37	August	-	-	-	-
38	September	-	-	-	-
39	October	-	-	-	-
40	November	-	-	-	-
41	December of Rate Year	-	-	-	-
42	Average of the 13 Monthly Balances	-	-	-	-

43 Transmission Accumulated Depreciation net of GSU 41,788,154

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

Regulatory Assets and Liabilities Approved for Recovery In Ratebase

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

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

Unfunded Reserves Summary (Company Records)

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

52	<u>Description</u>	<u>Account</u>			
53a					-
53b					-
54		Total	-	-	-

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

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

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Source</u>	<u>(C) Balance @ December 31, 2019</u>	<u>(D) Balance @ December 31, 2018</u>	<u>(E) Average Balance for 2019</u>
1	<u>Account 281</u>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, ln 8, Col. (k)	-	-	-
3	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 4 (Note 1)	-	-	-
4	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 3 (Note 1)	-	-	-
5	Transmission Related Deferrals	Ln 2 - ln 3 - ln 4	-	-	-
6	<u>Account 282</u>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, ln 5, Col. (k)	111,335,591	102,499,916	106,917,753
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	-	-	-
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	(44,670,361)	(49,412,980)	(47,041,670)
10	Transmission Related Deferrals	Ln 7 - ln 8 - ln 9	156,005,951	151,912,896	153,959,424
11	<u>Account 283</u>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, ln 9, Col. (k)	32,850,409	33,114,084	32,982,247
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	-	-	-
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	6,558,889	6,558,889	6,558,889
15	Transmission Related Deferrals	Ln 12 - ln 13 - ln 14	26,291,520	26,555,195	26,423,358
16	<u>Account 190</u>				
17	Year End Utility Deferrals	FF1, p. 234, ln 8, Col. (c)	21,149,000	21,149,000	21,149,000
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	-	-	-
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	14,158,730	14,158,730	14,158,730
20	Transmission Related Deferrals	Ln 17 - ln 18 - ln 19	6,990,270	6,990,270	6,990,270
21	<u>Account 255</u>				
22	Year End ITC Balances	FF1, p. 266-267, ln 8, Col. (h)	-	-	-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable in Ratebase	Ln 22 - ln 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section I.167(I)-I(h)(6)(ii). Line item detail of actual deferred tax items will be included on Work

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

West Virginia Transmission Company
SPECIFIED DEFERRED CREDITS - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2019

(DEBIT) CREDIT

[illegible]

West Virginia Transmission Company
ACCUMULATED DEFERRED INCOME TAX IN ACCOUNT 190 - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2019

DEBIT (CREDIT)

[illegible]

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

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number		Source	Balance @ December 31, 2019	Balance @ December 31, 2018	Average Balance for 2019			
1								
2	Transmission Materials & Supplies	FF1, p. 227, ln 8, Col. (c) & (b)	3,279,000	3,279,000	3,279,000			
3	General Materials & Supplies	FF1, p. 227, ln 11, Col. (c) & (b)			-			
4	Stores Expense (Undistributed) - Account 163	FF1, p. 227, ln 16, Col. (c) & (b)			-			
Prepayment Balance Summary (Note 1)								
	Average of YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)		
5								
6	Totals as of December 31, 2019	216,564	0	0	216,564	0	216,564	
7	Totals as of December 31, 2018	216,564	0	0	216,564	0	216,564	
8	Average Balance	216,564	-	-	216,564	-	216,564	

Prepayments Account 165 - Balance @ 12/31/2019									
9	Acc. No.	Description	2019 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
10	1650001	Prepaid Insurance	153,841	-		153,841		153,841	Plant related insurance policies
11	165000218	Prepaid Taxes	-	-		-		-	
12	1650003	Prepaid Rents	-	-		-		-	
13	1650004	Prepaid Interest	-	-		-		-	
14	1650005	Prepaid Employee Benefits	-	-		-		-	
15	1650006	Other Prepayments	-	-		-		-	
16	1650009	Prepaid Carry Cost-Factored AR	-	-		-		-	
17	1650010	Prepaid Pension Benefits	-	-		-		-	
18	1650014	FAS 158 Qual Contra Asset	-	-		-		-	
19	1650016	FAS 112 ASSETS	-	-		-		-	
20	1650021	Prepaid Insurance - EIS	56,066	-		56,066		56,066	Plant related insurance policies
21	1650023	Prepaid Lease	6,657	-		6,657	-	6,657	Prepaid lease
22	1650031	Prepaid OCIP Work Comp	-	-		-	-	-	Labor related Workers' Compensation
23	1650032	Prepaid OCIP Work Comp LT	-	-		-	-	-	
24	1650033	Prepaid OCIP Work Comp - Aff	-	-		-	-	-	Labor related Workers' Compensation
25	1650034	Prepaid OCIP Work Comp LT- Aff	-	-		-	-	-	
Subtotal - Form 1, p 111.57.c			216,564	0	0	216,564	0	216,564	

Prepayments Account 165 - Balance @ 12/31/ 2018									
26	Acc. No.	Description	2018 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
27	1650001	Prepaid Insurance	153,841			153,841		153,841	Plant related insurance policies
28	165000217	Prepaid Taxes	-	-		-		-	
29	1650003	Prepaid Rents	-	-		-		-	
30	1650004	Prepaid Interest	-	-				-	
31	1650005	Prepaid Employee Benefits	-	-				-	
32	1650006	Other Prepayments	-	-				-	
33	1650009	Prepaid Carry Cost-Factored AR	-	-				-	
34	1650010	Prepaid Pension Benefits	-	-				-	
35	1650014	FAS 158 Qual Contra Asset	-					-	
34	1650016	FAS 112 ASSETS	-	-				-	
35	1650021	Prepaid Insurance - EIS	56,066	-		56,066		56,066	Plant related insurance policies
36	1650023	Prepaid Lease	6,657	-		6,657	-	6,657	Prepaid lease
37	1650031	Prepaid OCIP Work Comp	-	-			-	-	Labor related Workers' Compensation
38	1650032	Prepaid OCIP Work Comp LT	-	-			-	-	
39	1650033	Prepaid OCIP Work Comp - Aff	-	-			-	-	Labor related Workers' Compensation
40	1650034	Prepaid OCIP Work Comp LT- Aff	-				-	-	
Subtotal - Form 1, p 111.57.d			216,564	0	0	216,564	0	216,564	

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

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

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

Note 1 On this worksheet Company Records refers to West Virginia Transmission Company's general ledger.

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet E Supporting Revenue Credits
West Virginia Transmission 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)		-	
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)		-	
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	401,000	-	401,000
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)		-	
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	123,663,000	123,663,000	
5a	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)		-	
5b	Account 457.2, Miscellaneous Revenues (FF1 p.300.24.(b); Company Records - Note 1)		-	
6	Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))	124,064,000	123,663,000	401,000
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	124,064,000	123,663,000	401,000
9	Facility Credits under PJM OATT Section 30.9			

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

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

Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet F Supporting Allocation of Specific O&M or A&G Expenses
West Virginia Transmission Company

	(A)	(B)	(C)	(D)	(E)	(F)
Line Number	Item No.	Description	2019 Expense	100% Non-Transmission	100% Transmission Specific	Explanation
<u>Regulatory O&M Deferrals & Amortizations</u>						
1						
2						
3						
4						
4	Total		-			
<u>Detail of Account 561 Per FERC Form 1</u>						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	3,000			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	701,000			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling	-			
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	-			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	75,000			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	-			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	-			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	-			
14	Total of Account 561		779,000			
<u>Account 928</u>						
15				-	-	
16				-	-	
17				-	-	
18				-	-	
19				-	-	
20				-	-	
21	Total (FERC Form 1 p.323.189.b)		-	-	-	
<u>Account 930.1</u>						
22				-	-	
23				-	-	
24				-	-	
25				-	-	
26				-	-	
27				-	-	
28				-	-	
29				-	-	
30				-	-	
31				-	-	
32				-	-	
33				-	-	
34				-	-	
35				-	-	
36				-	-	
37	-	-				
38	Total (FERC Form 1 p.323.191.b)		-	-	-	
<u>Account 930.2</u>						
39	9302000	Misc General Expenses	30,000	30,000	-	
40	9302003	Corporate & Fiscal Expenses	-	-	-	
41	9302004	Research, Develop&Demonstr Exp	-	-	-	
42	9302007	Assoc Business Development Exp	6,000	-	6,000	
43	Total (FERC Form 1 p.323.192.b)		36,000	30,000	6,000	

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

1	West Virginia Excise Tax Rate	6.50%	
	Apportionment Factor - Note 1	100.00%	
	Effective State Tax Rate		6.50%
2	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
3	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
4	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
5	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
	Total Effective State Income Tax Rate		<u>6.50%</u>

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

Line No.	(A) Account	(B) Total Company NOTE 1	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	Revenue Taxes					
2	Gross Receipts Tax	-				-
3	Real Estate and Personal Property Taxes					
4	Real and Personal Property - West Virginia	7,602,000	7,602,000			
5	Real and Personal Property - Virginia	-	-			
6	Real and Personal Property - Tennessee	-	-			
7	Real and Personal Property - Other Jurisdictions	-	-			
8	Payroll Taxes					
9	Federal Insurance Contribution (FICA)	-		-		
10	Federal Unemployment Tax	-		-		
11	State Unemployment Insurance	-		-		
12	<i>Line Deliberately Left Blank</i>					
13	State Severance Taxes	-				-
14	Miscellaneous Taxes					
15	State Business & Occupation Tax	-				-
16	State Public Service Commission Fees	-			-	
17	State Franchise Taxes	-			-	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	-				-
21	Federal Excise Tax	-				-
22	Michigan Single Business Tax	-				-
23	Total Taxes by Allocable Basis	7,602,000	7,602,000	-	-	-

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

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

		Functional Property Tax Allocation				
		Lines 24-58 Column (B) Deliberately Left Blank	Transmission	Lines 24-58 Column (D) Deliberately Left Blank	General	Total
24	Functionalized Net Plant (TCOS, Lns 33 thru 36)	-	1,021,397,462	-	15,000	1,021,412,462
WEST VIRGINIA JURISDICTION						
25	Percentage of Plant in WEST VIRGINIA JURISDICTION		100.00%		100.00%	
26	Net Plant in WEST VIRGINIA JURISDICTION (Ln 24 * Ln 25)	-	1,021,397,462	-	15,000	1,021,412,462
27	Less: Net Value of Exempted Generation Plant					
28	Taxable Property Basis (Ln 26 - Ln 27)	-	1,021,397,462	-	15,000	1,021,412,462
29	Relative Valuation Factor					-
30	Weighted Net Plant (Ln 28 * Ln 29)	-	-	-	-	
31	General Plant Allocator (Ln 30 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%	
32	Functionalized General Plant (Ln 31 * General Plant)	-	-	-	-	-
33	Weighted WEST VIRGINIA JURISDICTION Plant (Ln 30 + 32)	-	-	-	-	-
34	Functional Percentage (Ln 33/Total Ln 33)	0.00%	100.00%	0.00%		
JURISDICTION						
35	Net Plant in JURISDICTION (Ln 24 - Ln 26)	-	-	-	-	-
36	Less: Net Value Exempted Generation Plant					
37	Taxable Property Basis	-	-	-	-	-
38	Relative Valuation Factor					
39	Weighted Net Plant (Ln 37 * Ln 38)	-	-	-	-	
40	General Plant Allocator (Ln 39 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%	
41	Functionalized General Plant (Ln 41 * General Plant)	-	-	-	-	-
42	Weighted JURISDICTION Plant (Ln 39 + 41)	-	-	-	-	-
43	Functional Percentage (Ln 42/Total Ln 42)	0.00%	100.00%	0.00%		

(A)		(B)	(C)	(D)		
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference		
1	Revenue Taxes					
2	Gross Receipts Tax	-		P.263.1 ln 7 (i) P.263.2 ln 3 (i) P.263.2 ln 4 (i)		
(A)		(B)	(C)	(D)	(E)	(F)
"Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)"		Tax Year	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference	Tax Year Factor (Note 2)
Real Estate and Personal Property Taxes Total						
3	(Ln 4 + Ln 5 + Ln 6 + Ln 7)		7,602,000			7,602,000
4	Real and Personal Property - West Virginia		7,602,000			7,602,000
				7,602,000		100%
						-
						-
						-
						-
5	Real and Personal Property - Virginia		-			-
						-
						-
						-
						-
6	Real and Personal Property - Tennessee		-			-
						-
						-
7	Real and Personal Property - Other Jurisdictions		-			-
						-

(A)		(B)	(C)	(D)	
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference	
8	Payroll Taxes				
9	Federal Insurance Contribution (FICA)	-		P.263 ln 6 (i)	
10	Federal Unemployment Tax	-		P.263 ln 9 (i)	
11	State Unemployment Insurance	-		P.263.1 ln 23 (i) P.263.2 ln 33 (i) P.263.3 ln 16 (i)	
12	<i>Line Left Deliberately Blank</i>				
13	State Severance Taxes	-			
14	Miscellaneous Taxes				
15	State Business & Occupation Tax	-		P.263 ln 21 (i) P.263 ln 22 (i)	
16	State Public Service Commission Fees	-	-	P.263 ln 26 (i) P.263 ln 27 (i) P.263.3 ln 20 (i)	
17	State Franchise Taxes	-		P.263 ln 12 (i) P.263 ln 13 (i) P.263.1 ln 34 (i) P.263.2 ln 10 (i) P.263.2 ln 11 (i) P.263.2 ln 38 (i) P.263.2 ln 39 (i) P.263.3 ln 27 (i) P.263.3 ln 28 (i) P.263.4 ln 20 (i) P.263.4 ln 27 (i)	
18	State Lic/Registration Fee	-		P.263.1 ln 15 (i) P.263.2 ln 13 (i) P.263.3 ln 8 (i) P.263.4 ln 21 (i)	
19	Misc. State and Local Tax	-		P.263.1 ln 12 (i)	
20	Sales & Use	-	-	P.263 ln 16 (i) P.263 ln 31(i) P.263.2 ln 16 (i) P.263.2 ln 17 (i) P.263.3 ln 21 (i)	
21	Federal Excise Tax	-		P.263 ln 13 (i) P.263 ln 14 (i)	
22	Michigan Single Business Tax	-			
23	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14,(c))	7,602,000	7,602,000		

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

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

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

Reserved for Future Use

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet J Supporting Calculation of PROJECTED PJM RTEP Project Revenue Requirement Billed to Benefiting Zones
West Virginia Transmission Company

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

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

ROE w/o incentives (TCOS, ln 138)			10.35%
Project ROE Incentive Adder			0
ROE with additional 0 basis point incentive			10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 136 through 138)			
	%	Cost	Weighted cost
Long Term Debt	46.16%	4.02%	1.854%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	53.84%	10.35%	5.572%
R =			7.426%

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

Rate Base (TCOS, ln 58)	857,199,802
R (from A. above)	7.426%
Return (Rate Base x R)	63,656,868

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

Return (from B. above)	63,656,868
Effective Tax Rate (TCOS, ln 97)	26.55%
Income Tax Calculation (Return x CIT)	16,901,117
ITC Adjustment	-
Excess Deferred Income Tax	552,111
Tax Affect of Permanent Differences	131,348
Income Taxes	17,584,576

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS				
	Rev Require	W Incentives	Incentive Amounts	
PROJECTED YEAR	2019	43,798,279	43,798,279	\$ -

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)	126,498,547
Lease Payments (TCOS, Ln 80)	-
Return (TCOS, ln 109)	63,656,868
Income Taxes (TCOS, ln 108)	17,584,576
Annual Revenue Requirement, Less Return and Taxes	45,257,103

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

Annual Revenue Requirement, Less Return and Taxes	45,257,103
Return (from I.B. above)	63,656,868
Income Taxes (from I.C. above)	17,584,576
Annual Revenue Requirement, with 0 Basis Point ROE increase	126,498,547
Depreciation & Amortization (TCOS, ln 83)	17,652,000
Annual Rev. Req. w/0 Basis Point ROE increase, less Depreciation	108,846,547

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

Net Transmission Plant (Projected TCOS, ln 33)	1,021,397,462
Annual Revenue Requirement, with 0 Basis Point ROE increase	126,498,547
FCR with 0 Basis Point increase in ROE	12.38%
Annual Rev. Req. w / 0 Basis Point ROE increase, less Dep.	108,846,547
FCR with 0 Basis Point ROE increase, less Depreciation	10.66%
FCR less Depreciation (TCOS, ln 10)	10.66%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2019 TCOS, ln 19	1,063,185,615
Annual Depreciation and Amortization Expense (TCOS, ln 83)	17,652,000
Composite Depreciation Rate	1.66%
Depreciable Life for Composite Depreciation Rate	60.23
Average Life in Whole Years	60

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

West Virginia Transmission Company Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1661 (Install a 765 kV circuit breaker at Wyoming station)

Current Projected Year ARR	252,229
Current Projected Year ARR w/ Incentive	252,229
Current Projected Year Incentive ARR	-

Details							CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
Investment	2,191,536	Current Year		2019			CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)		-			INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR				
Service Month (1-12)	11	FCR w/o incentives, less depreciation		10.66%			TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE				
Useful life	60	FCR w/incentives approved for these facilities, less dep.		10.66%			LIFE OF THE PROJECT.				
CIAC (Yes or No)	No	Annual Depreciation Expense		36,526			RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##					
2014	2,191,536	3,044	2,188,492	236,425	236,425	\$ -	\$ 541,349		\$ 541,349		
2015	2,188,492	36,526	2,151,967	267,799	267,799	\$ -	\$ 511,336		\$ 511,336		
2016	2,151,967	36,526	2,115,441	263,907	263,907	\$ -	\$ 498,629		\$ 498,629		
2017	2,115,441	36,526	2,078,915	260,014	260,014	\$ -	\$ 544,400		\$ 544,400		
2018	2,078,915	36,526	2,042,390	256,122	256,122	\$ -	\$ 473,613		\$ 473,613		
2019	2,042,390	36,526	2,005,864	252,229	252,229	\$ -					
2020	2,005,864	36,526	1,969,339	248,337	248,337	\$ -					
2021	1,969,339	36,526	1,932,813	244,445	244,445	\$ -					
2022	1,932,813	36,526	1,896,287	240,552	240,552	\$ -					
2023	1,896,287	36,526	1,859,762	236,660	236,660	\$ -					
2024	1,859,762	36,526	1,823,236	232,767	232,767	\$ -					
2025	1,823,236	36,526	1,786,711	228,875	228,875	\$ -					
2026	1,786,711	36,526	1,750,185	224,983	224,983	\$ -					
2027	1,750,185	36,526	1,713,659	221,090	221,090	\$ -					
2028	1,713,659	36,526	1,677,134	217,198	217,198	\$ -					
2029	1,677,134	36,526	1,640,608	213,305	213,305	\$ -					
2030	1,640,608	36,526	1,604,083	209,413	209,413	\$ -					
2031	1,604,083	36,526	1,567,557	205,521	205,521	\$ -					
2032	1,567,557	36,526	1,531,031	201,628	201,628	\$ -					
2033	1,531,031	36,526	1,494,506	197,736	197,736	\$ -					
2034	1,494,506	36,526	1,457,980	193,843	193,843	\$ -					
2035	1,457,980	36,526	1,421,455	189,951	189,951	\$ -					
2036	1,421,455	36,526	1,384,929	186,059	186,059	\$ -					
2037	1,384,929	36,526	1,348,403	182,166	182,166	\$ -					
2038	1,348,403	36,526	1,311,878	178,274	178,274	\$ -					
2039	1,311,878	36,526	1,275,352	174,381	174,381	\$ -					
2040	1,275,352	36,526	1,238,827	170,489	170,489	\$ -					
2041	1,238,827	36,526	1,202,301	166,597	166,597	\$ -					
2042	1,202,301	36,526	1,165,775	162,704	162,704	\$ -					
2043	1,165,775	36,526	1,129,250	158,812	158,812	\$ -					
2044	1,129,250	36,526	1,092,724	154,919	154,919	\$ -					
2045	1,092,724	36,526	1,056,199	151,027	151,027	\$ -					
2046	1,056,199	36,526	1,019,673	147,135	147,135	\$ -					
2047	1,019,673	36,526	983,147	143,242	143,242	\$ -					
2048	983,147	36,526	946,622	139,350	139,350	\$ -					
2049	946,622	36,526	910,096	135,457	135,457	\$ -					
2050	910,096	36,526	873,571	131,565	131,565	\$ -					
2051	873,571	36,526	837,045	127,673	127,673	\$ -					
2052	837,045	36,526	800,519	123,780	123,780	\$ -					
2053	800,519	36,526	763,994	119,888	119,888	\$ -					
2054	763,994	36,526	727,468	115,995	115,995	\$ -					
2055	727,468	36,526	690,943	112,103	112,103	\$ -					
2056	690,943	36,526	654,417	108,211	108,211	\$ -					
2057	654,417	36,526	617,891	104,318	104,318	\$ -					
2058	617,891	36,526	581,366	100,426	100,426	\$ -					
2059	581,366	36,526	544,840	96,533	96,533	\$ -					
2060	544,840	36,526	508,315	92,641	92,641	\$ -					
2061	508,315	36,526	471,789	88,749	88,749	\$ -					
2062	471,789	36,526	435,263	84,856	84,856	\$ -					
2063	435,263	36,526	398,738	80,964	80,964	\$ -					
2064	398,738	36,526	362,212	77,071	77,071	\$ -					
2065	362,212	36,526	325,687	73,179	73,179	\$ -					
2066	325,687	36,526	289,161	69,287	69,287	\$ -					
2067	289,161	36,526	252,635	65,394	65,394	\$ -					
2068	252,635	36,526	216,110	61,502	61,502	\$ -					
2069	216,110	36,526	179,584	57,609	57,609	\$ -					
2070	179,584	36,526	143,059	53,717	53,717	\$ -					
2071	143,059	36,526	106,533	49,825	49,825	\$ -					
2072	106,533	36,526	70,007	45,932	45,932	\$ -					
2073	70,007	36,526	33,482	42,040	42,040	\$ -					
Project Totals		2,158,054		9,376,668	9,376,668	-					

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

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

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

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	9,756,827
Current Projected Year ARR w/ Incentive	9,756,827
Current Projected Year Incentive ARR	-

Details						
Investment	85,102,120	Current Year		2019		
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)		-		
Service Month (1-12)	8	FCR w/o incentives, less depreciation		10.66%		
Useful life	60	FCR w/incentives approved for these facilities, less dep.		10.66%		
CIAC (Yes or No)	No	Annual Depreciation Expense		1,418,369		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2014	85,102,120	472,790	84,629,330	9,516,616	9,516,616	\$ -
2015	84,629,330	1,418,369	83,210,962	10,361,428	10,361,428	\$ -
2016	83,210,962	1,418,369	81,792,593	10,210,278	10,210,278	\$ -
2017	81,792,593	1,418,369	80,374,224	10,059,127	10,059,127	\$ -
2018	80,374,224	1,418,369	78,955,856	9,907,977	9,907,977	\$ -
2019	78,955,856	1,418,369	77,537,487	9,756,827	9,756,827	\$ -
2020	77,537,487	1,418,369	76,119,118	9,605,677	9,605,677	\$ -
2021	76,119,118	1,418,369	74,700,750	9,454,526	9,454,526	\$ -
2022	74,700,750	1,418,369	73,282,381	9,303,376	9,303,376	\$ -
2023	73,282,381	1,418,369	71,864,012	9,152,226	9,152,226	\$ -
2024	71,864,012	1,418,369	70,445,644	9,001,075	9,001,075	\$ -
2025	70,445,644	1,418,369	69,027,275	8,849,925	8,849,925	\$ -
2026	69,027,275	1,418,369	67,608,906	8,698,775	8,698,775	\$ -
2027	67,608,906	1,418,369	66,190,538	8,547,624	8,547,624	\$ -
2028	66,190,538	1,418,369	64,772,169	8,396,474	8,396,474	\$ -
2029	64,772,169	1,418,369	63,353,800	8,245,324	8,245,324	\$ -
2030	63,353,800	1,418,369	61,935,432	8,094,174	8,094,174	\$ -
2031	61,935,432	1,418,369	60,517,063	7,943,023	7,943,023	\$ -
2032	60,517,063	1,418,369	59,098,694	7,791,873	7,791,873	\$ -
2033	59,098,694	1,418,369	57,680,326	7,640,723	7,640,723	\$ -
2034	57,680,326	1,418,369	56,261,957	7,489,572	7,489,572	\$ -
2035	56,261,957	1,418,369	54,843,588	7,338,422	7,338,422	\$ -
2036	54,843,588	1,418,369	53,425,220	7,187,272	7,187,272	\$ -
2037	53,425,220	1,418,369	52,006,851	7,036,121	7,036,121	\$ -
2038	52,006,851	1,418,369	50,588,482	6,884,971	6,884,971	\$ -
2039	50,588,482	1,418,369	49,170,114	6,733,821	6,733,821	\$ -
2040	49,170,114	1,418,369	47,751,745	6,582,671	6,582,671	\$ -
2041	47,751,745	1,418,369	46,333,376	6,431,520	6,431,520	\$ -
2042	46,333,376	1,418,369	44,915,008	6,280,370	6,280,370	\$ -
2043	44,915,008	1,418,369	43,496,639	6,129,220	6,129,220	\$ -
2044	43,496,639	1,418,369	42,078,270	5,978,069	5,978,069	\$ -
2045	42,078,270	1,418,369	40,659,902	5,826,919	5,826,919	\$ -
2046	40,659,902	1,418,369	39,241,533	5,675,769	5,675,769	\$ -
2047	39,241,533	1,418,369	37,823,164	5,524,618	5,524,618	\$ -
2048	37,823,164	1,418,369	36,404,796	5,373,468	5,373,468	\$ -
2049	36,404,796	1,418,369	34,986,427	5,222,318	5,222,318	\$ -
2050	34,986,427	1,418,369	33,568,058	5,071,168	5,071,168	\$ -
2051	33,568,058	1,418,369	32,149,690	4,920,017	4,920,017	\$ -
2052	32,149,690	1,418,369	30,731,321	4,768,867	4,768,867	\$ -
2053	30,731,321	1,418,369	29,312,952	4,617,717	4,617,717	\$ -
2054	29,312,952	1,418,369	27,894,584	4,466,566	4,466,566	\$ -
2055	27,894,584	1,418,369	26,476,215	4,315,416	4,315,416	\$ -
2056	26,476,215	1,418,369	25,057,846	4,164,266	4,164,266	\$ -
2057	25,057,846	1,418,369	23,639,478	4,013,115	4,013,115	\$ -
2058	23,639,478	1,418,369	22,221,109	3,861,965	3,861,965	\$ -
2059	22,221,109	1,418,369	20,802,740	3,710,815	3,710,815	\$ -
2060	20,802,740	1,418,369	19,384,372	3,559,665	3,559,665	\$ -
2061	19,384,372	1,418,369	17,966,003	3,408,514	3,408,514	\$ -
2062	17,966,003	1,418,369	16,547,634	3,257,364	3,257,364	\$ -
2063	16,547,634	1,418,369	15,129,266	3,106,214	3,106,214	\$ -
2064	15,129,266	1,418,369	13,710,897	2,955,063	2,955,063	\$ -
2065	13,710,897	1,418,369	12,292,528	2,803,913	2,803,913	\$ -
2066	12,292,528	1,418,369	10,874,160	2,652,763	2,652,763	\$ -
2067	10,874,160	1,418,369	9,455,791	2,501,612	2,501,612	\$ -
2068	9,455,791	1,418,369	8,037,422	2,350,462	2,350,462	\$ -
2069	8,037,422	1,418,369	6,619,054	2,199,312	2,199,312	\$ -
2070	6,619,054	1,418,369	5,200,685	2,048,162	2,048,162	\$ -
2071	5,200,685	1,418,369	3,782,316	1,897,011	1,897,011	\$ -
2072	3,782,316	1,418,369	2,363,948	1,745,861	1,745,861	\$ -
2073	2,363,948	1,418,369	945,579	1,594,711	1,594,711	\$ -
Project Totals		84,156,541		362,222,707	362,222,707	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.				
RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
\$ 2,795,819		\$ 2,795,819		
\$ 9,963,550		\$ 9,963,550		
\$ 9,645,772		\$ 9,645,772		
\$ 10,531,029		\$ 10,531,029		
\$ 9,156,379		\$ 9,156,379		

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	2,258,478
Current Projected Year ARR w/ Incentive	2,258,478
Current Projected Year Incentive ARR	-

Details						
Investment	19,597,955	Current Year				2019
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	12	FCR w/o incentives, less depreciation				10.66%
Useful life	60	FCR w/incentives approved for these facilities, less dep.				10.66%
CIAC (Yes or No)	No	Annual Depreciation Expense				326,633
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2014	19,597,955	-	19,597,955	2,088,482	\$ 2,088,482	\$ -
2015	19,597,955	326,633	19,271,322	2,397,710	\$ 2,397,710	\$ -
2016	19,271,322	326,633	18,944,690	2,362,902	\$ 2,362,902	\$ -
2017	18,944,690	326,633	18,618,057	2,328,094	\$ 2,328,094	\$ -
2018	18,618,057	326,633	18,291,425	2,293,286	\$ 2,293,286	\$ -
2019	18,291,425	326,633	17,964,792	2,258,478	\$ 2,258,478	\$ -
2020	17,964,792	326,633	17,638,160	2,223,670	\$ 2,223,670	\$ -
2021	17,638,160	326,633	17,311,527	2,188,862	\$ 2,188,862	\$ -
2022	17,311,527	326,633	16,984,894	2,154,054	\$ 2,154,054	\$ -
2023	16,984,894	326,633	16,658,262	2,119,246	\$ 2,119,246	\$ -
2024	16,658,262	326,633	16,331,629	2,084,438	\$ 2,084,438	\$ -
2025	16,331,629	326,633	16,004,997	2,049,630	\$ 2,049,630	\$ -
2026	16,004,997	326,633	15,678,364	2,014,822	\$ 2,014,822	\$ -
2027	15,678,364	326,633	15,351,731	1,980,014	\$ 1,980,014	\$ -
2028	15,351,731	326,633	15,025,099	1,945,206	\$ 1,945,206	\$ -
2029	15,025,099	326,633	14,698,466	1,910,398	\$ 1,910,398	\$ -
2030	14,698,466	326,633	14,371,834	1,875,590	\$ 1,875,590	\$ -
2031	14,371,834	326,633	14,045,201	1,840,782	\$ 1,840,782	\$ -
2032	14,045,201	326,633	13,718,569	1,805,974	\$ 1,805,974	\$ -
2033	13,718,569	326,633	13,391,936	1,771,166	\$ 1,771,166	\$ -
2034	13,391,936	326,633	13,065,303	1,736,358	\$ 1,736,358	\$ -
2035	13,065,303	326,633	12,738,671	1,701,550	\$ 1,701,550	\$ -
2036	12,738,671	326,633	12,412,038	1,666,742	\$ 1,666,742	\$ -
2037	12,412,038	326,633	12,085,406	1,631,934	\$ 1,631,934	\$ -
2038	12,085,406	326,633	11,758,773	1,597,126	\$ 1,597,126	\$ -
2039	11,758,773	326,633	11,432,140	1,562,317	\$ 1,562,317	\$ -
2040	11,432,140	326,633	11,105,508	1,527,509	\$ 1,527,509	\$ -
2041	11,105,508	326,633	10,778,875	1,492,701	\$ 1,492,701	\$ -
2042	10,778,875	326,633	10,452,243	1,457,893	\$ 1,457,893	\$ -
2043	10,452,243	326,633	10,125,610	1,423,085	\$ 1,423,085	\$ -
2044	10,125,610	326,633	9,798,978	1,388,277	\$ 1,388,277	\$ -
2045	9,798,978	326,633	9,472,345	1,353,469	\$ 1,353,469	\$ -
2046	9,472,345	326,633	9,145,712	1,318,661	\$ 1,318,661	\$ -
2047	9,145,712	326,633	8,819,080	1,283,853	\$ 1,283,853	\$ -
2048	8,819,080	326,633	8,492,447	1,249,045	\$ 1,249,045	\$ -
2049	8,492,447	326,633	8,165,815	1,214,237	\$ 1,214,237	\$ -
2050	8,165,815	326,633	7,839,182	1,179,429	\$ 1,179,429	\$ -
2051	7,839,182	326,633	7,512,549	1,144,621	\$ 1,144,621	\$ -
2052	7,512,549	326,633	7,185,917	1,109,813	\$ 1,109,813	\$ -
2053	7,185,917	326,633	6,859,284	1,075,005	\$ 1,075,005	\$ -
2054	6,859,284	326,633	6,532,652	1,040,197	\$ 1,040,197	\$ -
2055	6,532,652	326,633	6,206,019	1,005,389	\$ 1,005,389	\$ -
2056	6,206,019	326,633	5,879,387	970,581	\$ 970,581	\$ -
2057	5,879,387	326,633	5,552,754	935,773	\$ 935,773	\$ -
2058	5,552,754	326,633	5,226,121	900,965	\$ 900,965	\$ -
2059	5,226,121	326,633	4,899,489	866,157	\$ 866,157	\$ -
2060	4,899,489	326,633	4,572,856	831,349	\$ 831,349	\$ -
2061	4,572,856	326,633	4,246,224	796,541	\$ 796,541	\$ -
2062	4,246,224	326,633	3,919,591	761,733	\$ 761,733	\$ -
2063	3,919,591	326,633	3,592,958	726,925	\$ 726,925	\$ -
2064	3,592,958	326,633	3,266,326	692,117	\$ 692,117	\$ -
2065	3,266,326	326,633	2,939,693	657,309	\$ 657,309	\$ -
2066	2,939,693	326,633	2,613,061	622,501	\$ 622,501	\$ -
2067	2,613,061	326,633	2,286,428	587,693	\$ 587,693	\$ -
2068	2,286,428	326,633	1,959,796	552,885	\$ 552,885	\$ -
2069	1,959,796	326,633	1,633,163	518,077	\$ 518,077	\$ -
2070	1,633,163	326,633	1,306,530	483,269	\$ 483,269	\$ -
2071	1,306,530	326,633	979,898	448,461	\$ 448,461	\$ -
2072	979,898	326,633	653,265	413,653	\$ 413,653	\$ -
2073	653,265	326,633	326,633	378,845	\$ 378,845	\$ -
Project Totals		19,271,322		83,996,846	83,996,846	

[illegible]

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1948 (Establish a new 765/345 interconnection at Sporn. Install a 765/345 kV transformer at Mountaineer and build ¾ mile of 345 kV to Sporn)

Current Projected Year ARR	6,583,556
Current Projected Year ARR w/ Incentive	6,583,556
Current Projected Year Incentive ARR	-

Details						
Investment	56,691,968	Current Year		2019		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)		-		
Service Month (1-12)	6	FCR w/o incentives, less depreciation		10.66%		
Useful life	60	FCR w/incentives approved for these facilities, less dep.		10.66%		
CIAC (Yes or No)	No	Annual Depreciation Expense		944,866		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	56,691,968	472,433	56,219,535	6,488,714	6,488,714	\$ -
2016	56,219,535	944,866	55,274,669	6,885,628	6,885,628	\$ -
2017	55,274,669	944,866	54,329,803	6,784,938	6,784,938	\$ -
2018	54,329,803	944,866	53,384,937	6,684,247	6,684,247	\$ -
2019	53,384,937	944,866	52,440,070	6,583,556	6,583,556	\$ -
2020	52,440,070	944,866	51,495,204	6,482,865	6,482,865	\$ -
2021	51,495,204	944,866	50,550,338	6,382,174	6,382,174	\$ -
2022	50,550,338	944,866	49,605,472	6,281,483	6,281,483	\$ -
2023	49,605,472	944,866	48,660,606	6,180,792	6,180,792	\$ -
2024	48,660,606	944,866	47,715,740	6,080,101	6,080,101	\$ -
2025	47,715,740	944,866	46,770,874	5,979,410	5,979,410	\$ -
2026	46,770,874	944,866	45,826,007	5,878,720	5,878,720	\$ -
2027	45,826,007	944,866	44,881,141	5,778,029	5,778,029	\$ -
2028	44,881,141	944,866	43,936,275	5,677,338	5,677,338	\$ -
2029	43,936,275	944,866	42,991,409	5,576,647	5,576,647	\$ -
2030	42,991,409	944,866	42,046,543	5,475,956	5,475,956	\$ -
2031	42,046,543	944,866	41,101,677	5,375,265	5,375,265	\$ -
2032	41,101,677	944,866	40,156,811	5,274,574	5,274,574	\$ -
2033	40,156,811	944,866	39,211,945	5,173,883	5,173,883	\$ -
2034	39,211,945	944,866	38,267,078	5,073,192	5,073,192	\$ -
2035	38,267,078	944,866	37,322,212	4,972,502	4,972,502	\$ -
2036	37,322,212	944,866	36,377,346	4,871,811	4,871,811	\$ -
2037	36,377,346	944,866	35,432,480	4,771,120	4,771,120	\$ -
2038	35,432,480	944,866	34,487,614	4,670,429	4,670,429	\$ -
2039	34,487,614	944,866	33,542,748	4,569,738	4,569,738	\$ -
2040	33,542,748	944,866	32,597,882	4,469,047	4,469,047	\$ -
2041	32,597,882	944,866	31,653,015	4,368,356	4,368,356	\$ -
2042	31,653,015	944,866	30,708,149	4,267,665	4,267,665	\$ -
2043	30,708,149	944,866	29,763,283	4,166,975	4,166,975	\$ -
2044	29,763,283	944,866	28,818,417	4,066,284	4,066,284	\$ -
2045	28,818,417	944,866	27,873,551	3,965,593	3,965,593	\$ -
2046	27,873,551	944,866	26,928,685	3,864,902	3,864,902	\$ -
2047	26,928,685	944,866	25,983,819	3,764,211	3,764,211	\$ -
2048	25,983,819	944,866	25,038,953	3,663,520	3,663,520	\$ -
2049	25,038,953	944,866	24,094,086	3,562,829	3,562,829	\$ -
2050	24,094,086	944,866	23,149,220	3,462,138	3,462,138	\$ -
2051	23,149,220	944,866	22,204,354	3,361,447	3,361,447	\$ -
2052	22,204,354	944,866	21,259,488	3,260,757	3,260,757	\$ -
2053	21,259,488	944,866	20,314,622	3,160,066	3,160,066	\$ -
2054	20,314,622	944,866	19,369,756	3,059,375	3,059,375	\$ -
2055	19,369,756	944,866	18,424,890	2,958,684	2,958,684	\$ -
2056	18,424,890	944,866	17,480,023	2,857,993	2,857,993	\$ -
2057	17,480,023	944,866	16,535,157	2,757,302	2,757,302	\$ -
2058	16,535,157	944,866	15,590,291	2,656,611	2,656,611	\$ -
2059	15,590,291	944,866	14,645,425	2,555,920	2,555,920	\$ -
2060	14,645,425	944,866	13,700,559	2,455,229	2,455,229	\$ -
2061	13,700,559	944,866	12,755,693	2,354,539	2,354,539	\$ -
2062	12,755,693	944,866	11,810,827	2,253,848	2,253,848	\$ -
2063	11,810,827	944,866	10,865,961	2,153,157	2,153,157	\$ -
2064	10,865,961	944,866	9,921,094	2,052,466	2,052,466	\$ -
2065	9,921,094	944,866	8,976,228	1,951,775	1,951,775	\$ -
2066	8,976,228	944,866	8,031,362	1,851,084	1,851,084	\$ -
2067	8,031,362	944,866	7,086,496	1,750,393	1,750,393	\$ -
2068	7,086,496	944,866	6,141,630	1,649,702	1,649,702	\$ -
2069	6,141,630	944,866	5,196,764	1,549,011	1,549,011	\$ -
2070	5,196,764	944,866	4,251,898	1,448,321	1,448,321	\$ -
2071	4,251,898	944,866	3,307,031	1,347,630	1,347,630	\$ -
2072	3,307,031	944,866	2,362,165	1,246,939	1,246,939	\$ -
2073	2,362,165	944,866	1,417,299	1,146,248	1,146,248	\$ -
2074	1,417,299	944,866	472,433	1,045,557	1,045,557	\$ -
Project Totals		56,219,535		240,458,684	240,458,684	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.				
RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
\$ 6,946,099		\$ 6,946,099		
\$ 6,500,748		\$ 6,500,748		
\$ 7,102,318		\$ 7,102,318		
\$ 6,178,627		\$ 6,178,627		

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	2,545,928
Current Projected Year ARR w/ Incentive	2,545,928
Current Projected Year Incentive ARR	-

Details						
Investment	21,756,984	Current Year		2019		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)		-		
Service Month (1-12)	12	FCR w/o incentives, less depreciation		10.66%		
Useful life	60	FCR w/incentives approved for these facilities, less dep.		10.66%		
CIAC (Yes or No)	No	Annual Depreciation Expense		362,616		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	21,756,984	-	21,756,984	2,318,561	2,318,561	\$ -
2016	21,756,984	362,616	21,394,368	2,661,856	2,661,856	\$ -
2017	21,394,368	362,616	21,031,751	2,623,214	2,623,214	\$ -
2018	21,031,751	362,616	20,669,135	2,584,571	2,584,571	\$ -
2019	20,669,135	362,616	20,306,518	2,545,928	2,545,928	\$ -
2020	20,306,518	362,616	19,943,902	2,507,286	2,507,286	\$ -
2021	19,943,902	362,616	19,581,286	2,468,643	2,468,643	\$ -
2022	19,581,286	362,616	19,218,669	2,430,000	2,430,000	\$ -
2023	19,218,669	362,616	18,856,053	2,391,357	2,391,357	\$ -
2024	18,856,053	362,616	18,493,436	2,352,715	2,352,715	\$ -
2025	18,493,436	362,616	18,130,820	2,314,072	2,314,072	\$ -
2026	18,130,820	362,616	17,768,204	2,275,429	2,275,429	\$ -
2027	17,768,204	362,616	17,405,587	2,236,787	2,236,787	\$ -
2028	17,405,587	362,616	17,042,971	2,198,144	2,198,144	\$ -
2029	17,042,971	362,616	16,680,354	2,159,501	2,159,501	\$ -
2030	16,680,354	362,616	16,317,738	2,120,859	2,120,859	\$ -
2031	16,317,738	362,616	15,955,122	2,082,216	2,082,216	\$ -
2032	15,955,122	362,616	15,592,505	2,043,573	2,043,573	\$ -
2033	15,592,505	362,616	15,229,889	2,004,931	2,004,931	\$ -
2034	15,229,889	362,616	14,867,272	1,966,288	1,966,288	\$ -
2035	14,867,272	362,616	14,504,656	1,927,645	1,927,645	\$ -
2036	14,504,656	362,616	14,142,040	1,889,003	1,889,003	\$ -
2037	14,142,040	362,616	13,779,423	1,850,360	1,850,360	\$ -
2038	13,779,423	362,616	13,416,807	1,811,717	1,811,717	\$ -
2039	13,416,807	362,616	13,054,190	1,773,074	1,773,074	\$ -
2040	13,054,190	362,616	12,691,574	1,734,432	1,734,432	\$ -
2041	12,691,574	362,616	12,328,958	1,695,789	1,695,789	\$ -
2042	12,328,958	362,616	11,966,341	1,657,146	1,657,146	\$ -
2043	11,966,341	362,616	11,603,725	1,618,504	1,618,504	\$ -
2044	11,603,725	362,616	11,241,108	1,579,861	1,579,861	\$ -
2045	11,241,108	362,616	10,878,492	1,541,218	1,541,218	\$ -
2046	10,878,492	362,616	10,515,876	1,502,576	1,502,576	\$ -
2047	10,515,876	362,616	10,153,259	1,463,933	1,463,933	\$ -
2048	10,153,259	362,616	9,790,643	1,425,290	1,425,290	\$ -
2049	9,790,643	362,616	9,428,026	1,386,648	1,386,648	\$ -
2050	9,428,026	362,616	9,065,410	1,348,005	1,348,005	\$ -
2051	9,065,410	362,616	8,702,794	1,309,362	1,309,362	\$ -
2052	8,702,794	362,616	8,340,177	1,270,720	1,270,720	\$ -
2053	8,340,177	362,616	7,977,561	1,232,077	1,232,077	\$ -
2054	7,977,561	362,616	7,614,944	1,193,434	1,193,434	\$ -
2055	7,614,944	362,616	7,252,328	1,154,791	1,154,791	\$ -
2056	7,252,328	362,616	6,889,712	1,116,149	1,116,149	\$ -
2057	6,889,712	362,616	6,527,095	1,077,506	1,077,506	\$ -
2058	6,527,095	362,616	6,164,479	1,038,863	1,038,863	\$ -
2059	6,164,479	362,616	5,801,862	1,000,221	1,000,221	\$ -
2060	5,801,862	362,616	5,439,246	961,578	961,578	\$ -
2061	5,439,246	362,616	5,076,630	922,935	922,935	\$ -
2062	5,076,630	362,616	4,714,013	884,293	884,293	\$ -
2063	4,714,013	362,616	4,351,397	845,650	845,650	\$ -
2064	4,351,397	362,616	3,988,780	807,007	807,007	\$ -
2065	3,988,780	362,616	3,626,164	768,365	768,365	\$ -
2066	3,626,164	362,616	3,263,548	729,722	729,722	\$ -
2067	3,263,548	362,616	2,900,931	691,079	691,079	\$ -
2068	2,900,931	362,616	2,538,315	652,437	652,437	\$ -
2069	2,538,315	362,616	2,175,698	613,794	613,794	\$ -
2070	2,175,698	362,616	1,813,082	575,151	575,151	\$ -
2071	1,813,082	362,616	1,450,466	536,508	536,508	\$ -
2072	1,450,466	362,616	1,087,849	497,866	497,866	\$ -
2073	1,087,849	362,616	725,233	459,223	459,223	\$ -
2074	725,233	362,616	362,616	420,580	420,580	\$ -
Project Totals		21,394,368		93,250,445	93,250,445	-

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

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

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

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:				
CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS: INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE LIFE OF THE PROJECT.				
RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **		
\$ 2,348,715		\$ 2,348,715		
\$ 2,575,052		\$ 2,575,052		
\$ 2,745,014		\$ 2,745,014		
\$ 2,387,052		\$ 2,387,052		

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

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

A. Base Plan Facilities

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

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

Current Projected Year ARR	170,220
Current Projected Year ARR w/ Incentive	170,220
Current Projected Year Incentive ARR	-

Details						
Investment	1,465,792	Current Year			2019	
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)			-	
Service Month (1-12)	6	FCR w/o incentives, less depreciation			10.66%	
Useful life	60	FCR w/incentives approved for these facilities, less dep.			10.66%	
CIAC (Yes or No)	No	Annual Depreciation Expense			24,430	
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	1,465,792	12,215	1,453,577	167,768	167,768	\$ -
2016	1,453,577	24,430	1,429,147	178,030	178,030	\$ -
2017	1,429,147	24,430	1,404,717	175,427	175,427	\$ -
2018	1,404,717	24,430	1,380,287	172,824	172,824	\$ -
2019	1,380,287	24,430	1,355,858	170,220	170,220	\$ -
2020	1,355,858	24,430	1,331,428	167,617	167,617	\$ -
2021	1,331,428	24,430	1,306,998	165,013	165,013	\$ -
2022	1,306,998	24,430	1,282,568	162,410	162,410	\$ -
2023	1,282,568	24,430	1,258,138	159,807	159,807	\$ -
2024	1,258,138	24,430	1,233,708	157,203	157,203	\$ -
2025	1,233,708	24,430	1,209,278	154,600	154,600	\$ -
2026	1,209,278	24,430	1,184,849	151,996	151,996	\$ -
2027	1,184,849	24,430	1,160,419	149,393	149,393	\$ -
2028	1,160,419	24,430	1,135,989	146,790	146,790	\$ -
2029	1,135,989	24,430	1,111,559	144,186	144,186	\$ -
2030	1,111,559	24,430	1,087,129	141,583	141,583	\$ -
2031	1,087,129	24,430	1,062,699	138,979	138,979	\$ -
2032	1,062,699	24,430	1,038,269	136,376	136,376	\$ -
2033	1,038,269	24,430	1,013,839	133,773	133,773	\$ -
2034	1,013,839	24,430	989,410	131,169	131,169	\$ -
2035	989,410	24,430	964,980	128,566	128,566	\$ -
2036	964,980	24,430	940,550	125,962	125,962	\$ -
2037	940,550	24,430	916,120	123,359	123,359	\$ -
2038	916,120	24,430	891,690	120,756	120,756	\$ -
2039	891,690	24,430	867,260	118,152	118,152	\$ -
2040	867,260	24,430	842,830	115,549	115,549	\$ -
2041	842,830	24,430	818,401	112,945	112,945	\$ -
2042	818,401	24,430	793,971	110,342	110,342	\$ -
2043	793,971	24,430	769,541	107,739	107,739	\$ -
2044	769,541	24,430	745,111	105,135	105,135	\$ -
2045	745,111	24,430	720,681	102,532	102,532	\$ -
2046	720,681	24,430	696,251	99,928	99,928	\$ -
2047	696,251	24,430	671,821	97,325	97,325	\$ -
2048	671,821	24,430	647,391	94,722	94,722	\$ -
2049	647,391	24,430	622,962	92,118	92,118	\$ -
2050	622,962	24,430	598,532	89,515	89,515	\$ -
2051	598,532	24,430	574,102	86,911	86,911	\$ -
2052	574,102	24,430	549,672	84,308	84,308	\$ -
2053	549,672	24,430	525,242	81,705	81,705	\$ -
2054	525,242	24,430	500,812	79,101	79,101	\$ -
2055	500,812	24,430	476,382	76,498	76,498	\$ -
2056	476,382	24,430	451,953	73,894	73,894	\$ -
2057	451,953	24,430	427,523	71,291	71,291	\$ -
2058	427,523	24,430	403,093	68,688	68,688	\$ -
2059	403,093	24,430	378,663	66,084	66,084	\$ -
2060	378,663	24,430	354,233	63,481	63,481	\$ -
2061	354,233	24,430	329,803	60,877	60,877	\$ -
2062	329,803	24,430	305,373	58,274	58,274	\$ -
2063	305,373	24,430	280,943	55,671	55,671	\$ -
2064	280,943	24,430	256,514	53,067	53,067	\$ -
2065	256,514	24,430	232,084	50,464	50,464	\$ -
2066	232,084	24,430	207,654	47,860	47,860	\$ -
2067	207,654	24,430	183,224	45,257	45,257	\$ -
2068	183,224	24,430	158,794	42,654	42,654	\$ -
2069	158,794	24,430	134,364	40,050	40,050	\$ -
2070	134,364	24,430	109,934	37,447	37,447	\$ -
2071	109,934	24,430	85,505	34,843	34,843	\$ -
2072	85,505	24,430	61,075	32,240	32,240	\$ -
2073	61,075	24,430	36,645	29,637	29,637	\$ -
2074	36,645	24,430	12,215	27,033	27,033	\$ -
Project Totals		1,453,577	-	6,217,149	6,217,149	-

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

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

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

[illegible]

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2020 (Rebuild Amos-Kanawha River 138 kV corridor)

Current Projected Year ARR	17,622,795
Current Projected Year ARR w/ Incentive	17,622,795
Current Projected Year Incentive ARR	-

Details						
Investment	151,946,137	Current Year		2019		
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)		-		
Service Month (1-12)	5	FCR w/o incentives, less depreciation		10.66%		
Useful life	60	FCR w/incentives approved for these facilities, less dep.		10.66%		
CIAC (Yes or No)	No	Annual Depreciation Expense		2,532,436		
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	151,946,137	1,477,254	150,468,883	17,590,879	17,590,879	\$ -
2016	150,468,883	2,532,436	147,936,447	18,432,411	18,432,411	\$ -
2017	147,936,447	2,532,436	145,404,012	18,162,539	18,162,539	\$ -
2018	145,404,012	2,532,436	142,871,576	17,892,667	17,892,667	\$ -
2019	142,871,576	2,532,436	140,339,140	17,622,795	17,622,795	\$ -
2020	140,339,140	2,532,436	137,806,705	17,352,922	17,352,922	\$ -
2021	137,806,705	2,532,436	135,274,269	17,083,050	17,083,050	\$ -
2022	135,274,269	2,532,436	132,741,834	16,813,178	16,813,178	\$ -
2023	132,741,834	2,532,436	130,209,398	16,543,305	16,543,305	\$ -
2024	130,209,398	2,532,436	127,676,962	16,273,433	16,273,433	\$ -
2025	127,676,962	2,532,436	125,144,527	16,003,561	16,003,561	\$ -
2026	125,144,527	2,532,436	122,612,091	15,733,688	15,733,688	\$ -
2027	122,612,091	2,532,436	120,079,655	15,463,816	15,463,816	\$ -
2028	120,079,655	2,532,436	117,547,220	15,193,944	15,193,944	\$ -
2029	117,547,220	2,532,436	115,014,784	14,924,072	14,924,072	\$ -
2030	115,014,784	2,532,436	112,482,349	14,654,199	14,654,199	\$ -
2031	112,482,349	2,532,436	109,949,913	14,384,327	14,384,327	\$ -
2032	109,949,913	2,532,436	107,417,477	14,114,455	14,114,455	\$ -
2033	107,417,477	2,532,436	104,885,042	13,844,582	13,844,582	\$ -
2034	104,885,042	2,532,436	102,352,606	13,574,710	13,574,710	\$ -
2035	102,352,606	2,532,436	99,820,171	13,304,838	13,304,838	\$ -
2036	99,820,171	2,532,436	97,287,735	13,034,966	13,034,966	\$ -
2037	97,287,735	2,532,436	94,755,299	12,765,093	12,765,093	\$ -
2038	94,755,299	2,532,436	92,222,864	12,495,221	12,495,221	\$ -
2039	92,222,864	2,532,436	89,690,428	12,225,349	12,225,349	\$ -
2040	89,690,428	2,532,436	87,157,992	11,955,476	11,955,476	\$ -
2041	87,157,992	2,532,436	84,625,557	11,685,604	11,685,604	\$ -
2042	84,625,557	2,532,436	82,093,121	11,415,732	11,415,732	\$ -
2043	82,093,121	2,532,436	79,560,686	11,145,860	11,145,860	\$ -
2044	79,560,686	2,532,436	77,028,250	10,875,987	10,875,987	\$ -
2045	77,028,250	2,532,436	74,495,814	10,606,115	10,606,115	\$ -
2046	74,495,814	2,532,436	71,963,379	10,336,243	10,336,243	\$ -
2047	71,963,379	2,532,436	69,430,943	10,066,370	10,066,370	\$ -
2048	69,430,943	2,532,436	66,898,508	9,796,498	9,796,498	\$ -
2049	66,898,508	2,532,436	64,366,072	9,526,626	9,526,626	\$ -
2050	64,366,072	2,532,436	61,833,636	9,256,754	9,256,754	\$ -
2051	61,833,636	2,532,436	59,301,201	8,986,881	8,986,881	\$ -
2052	59,301,201	2,532,436	56,768,765	8,717,009	8,717,009	\$ -
2053	56,768,765	2,532,436	54,236,329	8,447,137	8,447,137	\$ -
2054	54,236,329	2,532,436	51,703,894	8,177,264	8,177,264	\$ -
2055	51,703,894	2,532,436	49,171,458	7,907,392	7,907,392	\$ -
2056	49,171,458	2,532,436	46,639,023	7,637,520	7,637,520	\$ -
2057	46,639,023	2,532,436	44,106,587	7,367,647	7,367,647	\$ -
2058	44,106,587	2,532,436	41,574,151	7,097,775	7,097,775	\$ -
2059	41,574,151	2,532,436	39,041,716	6,827,903	6,827,903	\$ -
2060	39,041,716	2,532,436	36,509,280	6,558,031	6,558,031	\$ -
2061	36,509,280	2,532,436	33,976,845	6,288,158	6,288,158	\$ -
2062	33,976,845	2,532,436	31,444,409	6,018,286	6,018,286	\$ -
2063	31,444,409	2,532,436	28,911,973	5,748,414	5,748,414	\$ -
2064	28,911,973	2,532,436	26,379,538	5,478,541	5,478,541	\$ -
2065	26,379,538	2,532,436	23,847,102	5,208,669	5,208,669	\$ -
2066	23,847,102	2,532,436	21,314,666	4,938,797	4,938,797	\$ -
2067	21,314,666	2,532,436	18,782,231	4,668,925	4,668,925	\$ -
2068	18,782,231	2,532,436	16,249,795	4,399,052	4,399,052	\$ -
2069	16,249,795	2,532,436	13,717,360	4,129,180	4,129,180	\$ -
2070	13,717,360	2,532,436	11,184,924	3,859,308	3,859,308	\$ -
2071	11,184,924	2,532,436	8,652,488	3,589,435	3,589,435	\$ -
2072	8,652,488	2,532,436	6,120,053	3,319,563	3,319,563	\$ -
2073	6,120,053	2,532,436	3,587,617	3,049,691	3,049,691	\$ -
2074	3,587,617	2,532,436	1,055,182	2,779,819	2,779,819	\$ -
Project Totals		150,890,955		643,351,661	643,351,661	-

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2022 (Terminate Tristate-Kyger Creek 345 kV line at Sporn)

Current Projected Year ARR	508,709
Current Projected Year ARR w/ Incentive	508,709
Current Projected Year Incentive ARR	-

Details						
Investment	4,358,345	Current Year				2019
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	10	FCR w/o incentives, less depreciation				10.66%
Useful life	60	FCR w/incentives approved for these facilities, less dep.				10.66%
CIAC (Yes or No)	No	Annual Depreciation Expense				72.639
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2015	4,358,345	12,107	4,346,238	475,914	475,914	\$ -
2016	4,346,238	72,639	4,273,599	531,931	531,931	\$ -
2017	4,273,599	72,639	4,200,960	524,190	524,190	\$ -
2018	4,200,960	72,639	4,128,321	516,449	516,449	\$ -
2019	4,128,321	72,639	4,055,682	508,709	508,709	\$ -
2020	4,055,682	72,639	3,983,043	500,968	500,968	\$ -
2021	3,983,043	72,639	3,910,404	493,227	493,227	\$ -
2022	3,910,404	72,639	3,837,765	485,486	485,486	\$ -
2023	3,837,765	72,639	3,765,126	477,745	477,745	\$ -
2024	3,765,126	72,639	3,692,487	470,004	470,004	\$ -
2025	3,692,487	72,639	3,619,848	462,263	462,263	\$ -
2026	3,619,848	72,639	3,547,209	454,522	454,522	\$ -
2027	3,547,209	72,639	3,474,569	446,782	446,782	\$ -
2028	3,474,569	72,639	3,401,930	439,041	439,041	\$ -
2029	3,401,930	72,639	3,329,291	431,300	431,300	\$ -
2030	3,329,291	72,639	3,256,652	423,559	423,559	\$ -
2031	3,256,652	72,639	3,184,013	415,818	415,818	\$ -
2032	3,184,013	72,639	3,111,374	408,077	408,077	\$ -
2033	3,111,374	72,639	3,038,735	400,336	400,336	\$ -
2034	3,038,735	72,639	2,966,096	392,595	392,595	\$ -
2035	2,966,096	72,639	2,893,457	384,855	384,855	\$ -
2036	2,893,457	72,639	2,820,818	377,114	377,114	\$ -
2037	2,820,818	72,639	2,748,179	369,373	369,373	\$ -
2038	2,748,179	72,639	2,675,540	361,632	361,632	\$ -
2039	2,675,540	72,639	2,602,900	353,891	353,891	\$ -
2040	2,602,900	72,639	2,530,261	346,150	346,150	\$ -
2041	2,530,261	72,639	2,457,622	338,409	338,409	\$ -
2042	2,457,622	72,639	2,384,983	330,668	330,668	\$ -
2043	2,384,983	72,639	2,312,344	322,927	322,927	\$ -
2044	2,312,344	72,639	2,239,705	315,187	315,187	\$ -
2045	2,239,705	72,639	2,167,066	307,446	307,446	\$ -
2046	2,167,066	72,639	2,094,427	299,705	299,705	\$ -
2047	2,094,427	72,639	2,021,788	291,964	291,964	\$ -
2048	2,021,788	72,639	1,949,149	284,223	284,223	\$ -
2049	1,949,149	72,639	1,876,510	276,482	276,482	\$ -
2050	1,876,510	72,639	1,803,871	268,741	268,741	\$ -
2051	1,803,871	72,639	1,731,231	261,000	261,000	\$ -
2052	1,731,231	72,639	1,658,592	253,260	253,260	\$ -
2053	1,658,592	72,639	1,585,953	245,519	245,519	\$ -
2054	1,585,953	72,639	1,513,314	237,778	237,778	\$ -
2055	1,513,314	72,639	1,440,675	230,037	230,037	\$ -
2056	1,440,675	72,639	1,368,036	222,296	222,296	\$ -
2057	1,368,036	72,639	1,295,397	214,555	214,555	\$ -
2058	1,295,397	72,639	1,222,758	206,814	206,814	\$ -
2059	1,222,758	72,639	1,150,119	199,073	199,073	\$ -
2060	1,150,119	72,639	1,077,480	191,333	191,333	\$ -</

[illegible]

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b1875 (138 kV Bradley to McClung upgrades)

Current Projected Year ARR	252,907
Current Projected Year ARR w/ Incentive	252,907
Current Projected Year Incentive ARR	-

Details						
Investment	2,203,092	Current Year			2019	
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)			-	
Service Month (1-12)	9	FCR w/o incentives, less depreciation			10.66%	
Useful life	60	FCR w/incentives approved for these facilities, less dep.			10.66%	
CIAC (Yes or No)	No	Annual Depreciation Expense			36,718	
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2014	2,203,092	9,180	2,193,912	243,466	243,466	\$ -
2015	2,193,912	36,718	2,157,194	268,559	268,559	\$ -
2016	2,157,194	36,718	2,120,476	264,646	264,646	\$ -
2017	2,120,476	36,718	2,083,758	260,733	260,733	\$ -
2018	2,083,758	36,718	2,047,040	256,820	256,820	\$ -
2019	2,047,040	36,718	2,010,321	252,907	252,907	\$ -
2020	2,010,321	36,718	1,973,603	248,994	248,994	\$ -
2021	1,973,603	36,718	1,936,885	245,081	245,081	\$ -
2022	1,936,885	36,718	1,900,167	241,168	241,168	\$ -
2023	1,900,167	36,718	1,863,449	237,255	237,255	\$ -
2024	1,863,449	36,718	1,826,730	233,343	233,343	\$ -
2025	1,826,730	36,718	1,790,012	229,430	229,430	\$ -
2026	1,790,012	36,718	1,753,294	225,517	225,517	\$ -
2027	1,753,294	36,718	1,716,576	221,604	221,604	\$ -
2028	1,716,576	36,718	1,679,858	217,691	217,691	\$ -
2029	1,679,858	36,718	1,643,139	213,778	213,778	\$ -
2030	1,643,139	36,718	1,606,421	209,865	209,865	\$ -
2031	1,606,421	36,718	1,569,703	205,952	205,952	\$ -
2032	1,569,703	36,718	1,532,985	202,039	202,039	\$ -
2033	1,532,985	36,718	1,496,267	198,126	198,126	\$ -
2034	1,496,267	36,718	1,459,548	194,213	194,213	\$ -
2035	1,459,548	36,718	1,422,830	190,300	190,300	\$ -
2036	1,422,830	36,718	1,386,112	186,387	186,387	\$ -
2037	1,386,112	36,718	1,349,394	182,475	182,475	\$ -
2038	1,349,394	36,718	1,312,676	178,562	178,562	\$ -
2039	1,312,676	36,718	1,275,957	174,649	174,649	\$ -
2040	1,275,957	36,718	1,239,239	170,736	170,736	\$ -
2041	1,239,239	36,718	1,202,521	166,823	166,823	\$ -
2042	1,202,521	36,718	1,165,803	162,910	162,910	\$ -
2043	1,165,803	36,718	1,129,085	158,997	158,997	\$ -
2044	1,129,085	36,718	1,092,366	155,084	155,084	\$ -
2045	1,092,366	36,718	1,055,648	151,171	151,171	\$ -
2046	1,055,648	36,718	1,018,930	147,258	147,258	\$ -
2047	1,018,930	36,718	982,212	143,345	143,345	\$ -
2048	982,212	36,718	945,494	139,432	139,432	\$ -
2049	945,494	36,718	908,775	135,519	135,519	\$ -
2050	908,775	36,718	872,057	131,607	131,607	\$ -
2051	872,057	36,718	835,339	127,694	127,694	\$ -
2052	835,339	36,718	798,621	123,781	123,781	\$ -
2053	798,621	36,718	761,903	119,868	119,868	\$ -
2054	761,903	36,718	725,184	115,955	115,955	\$ -
2055	725,184	36,718	688,466	112,042	112,042	\$ -
2056	688,466	36,718	651,748	108,129	108,129	\$ -
2057	651,748	36,718	615,030	104,216	104,216	\$ -
2058	615,030	36,718	578,312	100,303	100,303	\$ -
2059	578,312	36,718	541,593	96,390	96,390	\$ -
2060	541,593	36,718	504,875	92,477	92,477	\$ -
2061	504,875	36,718	468,157	88,564	88,564	\$ -
2062	468,157	36,718	431,439	84,652	84,652	\$ -
2063	431,439	36,718	394,721	80,739	80,739	\$ -
2064	394,721	36,718	358,002	76,826	76,826	\$ -
2065	358,002	36,718	321,284	72,913	72,913	\$ -
2066	321,284	36,718	284,566	69,000	69,000	\$ -
2067	284,566	36,718	247,848	65,087	65,087	\$ -
2068	247,848	36,718	211,130	61,174	61,174	\$ -
2069	211,130	36,718	174,411	57,261	57,261	\$ -
2070	174,411	36,718	137,693	53,348	53,348	\$ -
2071	137,693	36,718	100,975	49,435	49,435	\$ -
2072	100,975	36,718	64,257	45,522	45,522	\$ -
2073	64,257	36,718	27,539	41,609	41,609	\$ -
Project Totals		2,175,553		9,393,428	9,393,428	-

[illegible]

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

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2230 (Replace existing 150 MVAR reactor at Amos 765 kV)

Current Projected Year ARR	1,472,315
Current Projected Year ARR w/ Incentive	1,472,315
Current Projected Year Incentive ARR	-

Details						
Investment	12,409,450	Current Year				2019
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	11	FCR w/o incentives, less depreciation				10.66%
Useful life	60	FCR w/incentives approved for these facilities, less dep.				10.66%
CIAC (Yes or No)	No	Annual Depreciation Expense				206,824
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2016	12,409,450	17,235	12,392,215	1,338,746	1,338,746	\$ -
2017	12,392,215	206,824	12,185,390	1,516,396	1,516,396	\$ -
2018	12,185,390	206,824	11,978,566	1,494,356	1,494,356	\$ -
2019	11,978,566	206,824	11,771,742	1,472,315	1,472,315	\$ -
2020	11,771,742	206,824	11,564,918	1,450,275	1,450,275	\$ -
2021	11,564,918	206,824	11,358,094	1,428,234	1,428,234	\$ -
2022	11,358,094	206,824	11,151,270	1,406,194	1,406,194	\$ -
2023	11,151,270	206,824	10,944,445	1,384,153	1,384,153	\$ -
2024	10,944,445	206,824	10,737,621	1,362,113	1,362,113	\$ -
2025	10,737,621	206,824	10,530,797	1,340,072	1,340,072	\$ -
2026	10,530,797	206,824	10,323,973	1,318,032	1,318,032	\$ -
2027	10,323,973	206,824	10,117,149	1,295,992	1,295,992	\$ -
2028	10,117,149	206,824	9,910,325	1,273,951	1,273,951	\$ -
2029	9,910,325	206,824	9,703,500	1,251,911	1,251,911	\$ -
2030	9,703,500	206,824	9,496,676	1,229,870	1,229,870	\$ -
2031	9,496,676	206,824	9,289,852	1,207,830	1,207,830	\$ -
2032	9,289,852	206,824	9,083,028	1,185,789	1,185,789	\$ -
2033	9,083,028	206,824	8,876,204	1,163,749	1,163,749	\$ -
2034	8,876,204	206,824	8,669,380	1,141,708	1,141,708	\$ -
2035	8,669,380	206,824	8,462,555	1,119,668	1,119,668	\$ -
2036	8,462,555	206,824	8,255,731	1,097,627	1,097,627	\$ -
2037	8,255,731	206,824	8,048,907	1,075,587	1,075,587	\$ -
2038	8,048,907	206,824	7,842,083	1,053,546	1,053,546	\$ -
2039	7,842,083	206,824	7,635,259	1,031,506	1,031,506	\$ -
2040	7,635,259	206,824	7,428,435	1,009,465	1,009,465	\$ -
2041	7,428,435	206,824	7,221,610	987,425	987,425	\$ -
2042	7,221,610	206,824	7,014,786	965,384	965,384	\$ -
2043	7,014,786	206,824	6,807,962	943,344	943,344	\$ -
2044	6,807,962	206,824	6,601,138	921,303	921,303	\$ -
2045	6,601,138	206,824	6,394,314	899,263	899,263	\$ -
2046	6,394,314	206,824	6,187,490	877,222	877,222	\$ -
2047	6,187,490	206,824	5,980,665	855,182	855,182	\$ -
2048	5,980,665	206,824	5,773,841	833,141	833,141	\$ -
2049	5,773,841	206,824	5,567,017	811,101	811,101	\$ -
2050	5,567,017	206,824	5,360,193	789,060	789,060	\$ -
2051	5,360,193	206,824	5,153,369	767,020	767,020	\$ -
2052	5,153,369	206,824	4,946,545	744,979	744,979	\$ -
2053	4,946,545	206,824	4,739,720	722,939	722,939	\$ -
2054	4,739,720	206,824	4,532,896	700,898	700,898	\$ -
2055	4,532,896	206,824	4,326,072	678,858	678,858	\$ -
2056	4,326,072	206,824	4,119,248	656,817	656,817	\$ -
2057	4,119,248	206,824	3,912,424	634,777	634,777	\$ -
2058	3,912,424	206,824	3,705,600	612,736	612,736	\$ -
2059	3,705,600	206,824	3,498,775	590,696	590,696	\$ -
2060	3,498,775	206,824	3,291,951	568,655	568,655	\$ -
2061	3,291,951	206,824	3,085,127	546,615	546,615	\$ -
2062	3,085,127	206,824	2,878,303	524,575	524,575	\$ -
2063	2,878,303	206,824	2,671,479	502,534	502,534	\$ -
2064	2,671,479	206,824	2,464,655	480,494	480,494	\$ -
2065	2,464,655	206,824	2,257,830	458,453	458,453	\$ -
2066	2,257,830	206,824	2,051,006	436,413	436,413	\$ -
2067	2,051,006	206,824	1,844,182	414,372	414,372	\$ -
2068	1,844,182	206,824	1,637,358	392,332	392,332	\$ -
2069	1,637,358	206,824	1,430,534	370,291	370,291	\$ -
2070	1,430,534	206,824	1,223,710	348,251	348,251	\$ -
2071	1,223,710	206,824	1,016,885	326,210	326,210	\$ -
2072	1,016,885	206,824	810,061	304,170	304,170	\$ -
2073	810,061	206,824	603,237	282,129	282,129	\$ -
2074	603,237	206,824	396,413	260,089	260,089	\$ -
2075	396,413	206,824	189,589	238,048	238,048	\$ -
Project Totals		12,219,861		53,094,861	53,094,861	

[illegible]

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

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

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

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

A. Base Plan Facilities

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

Project Description: RTEP ID: b2423 (Install a 300 MVAR shunt reactor at AEP's Wyoming 765 kV station)

Current Projected Year ARR	2,374,315
Current Projected Year ARR w/ Incentive	2,374,315
Current Projected Year Incentive ARR	-

Details						
Investment	19,716,818	Current Year				2019
Service Year (yyyy)	2017	ROE increase accepted by FERC (Basis Points)				-
Service Month (1-12)	11	FCR w/o incentives, less depreciation				10.66%
Useful life	60	FCR w/incentives approved for these facilities, less dep.				10.66%
CIAC (Yes or No)	No	Annual Depreciation Expense				328,614
Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2017	19,716,818	27,384	19,689,434	2,127,074	2,127,074	\$ -
2018	19,689,434	328,614	19,360,820	2,409,334	2,409,334	\$ -
2019	19,360,820	328,614	19,032,206	2,374,315	2,374,315	\$ -
2020	19,032,206	328,614	18,703,593	2,339,296	2,339,296	\$ -
2021	18,703,593	328,614	18,374,979	2,304,277	2,304,277	\$ -
2022	18,374,979	328,614	18,046,365	2,269,258	2,269,258	\$ -
2023	18,046,365	328,614	17,717,752	2,234,238	2,234,238	\$ -
2024	17,717,752	328,614	17,389,138	2,199,219	2,199,219	\$ -
2025	17,389,138	328,614	17,060,524	2,164,200	2,164,200	\$ -
2026	17,060,524	328,614	16,731,911	2,129,181	2,129,181	\$ -
2027	16,731,911	328,614	16,403,297	2,094,162	2,094,162	\$ -
2028	16,403,297	328,614	16,074,684	2,059,143	2,059,143	\$ -
2029	16,074,684	328,614	15,746,070	2,024,124	2,024,124	\$ -
2030	15,746,070	328,614	15,417,456	1,989,104	1,989,104	\$ -
2031	15,417,456	328,614	15,088,843	1,954,085	1,954,085	\$ -
2032	15,088,843	328,614	14,760,229	1,919,066	1,919,066	\$ -
2033	14,760,229	328,614	14,431,615	1,884,047	1,884,047	\$ -
2034	14,431,615	328,614	14,103,002	1,849,028	1,849,028	\$ -
2035	14,103,002	328,614	13,774,388	1,814,009	1,814,009	\$ -
2036	13,774,388	328,614	13,445,774	1,778,990	1,778,990	\$ -
2037	13,445,774	328,614	13,117,161	1,743,970	1,743,970	\$ -
2038	13,117,161	328,614	12,788,547	1,708,951	1,708,951	\$ -
2039	12,788,547	328,614	12,459,934	1,673,932	1,673,932	\$ -
2040	12,459,934	328,614	12,131,320	1,638,913	1,638,913	\$ -
2041	12,131,320	328,614	11,802,706	1,603,894	1,603,894	\$ -
2042	11,802,706	328,614	11,474,093	1,568,875	1,568,875	\$ -
2043	11,474,093	328,614	11,145,479	1,533,856	1,533,856	\$ -
2044	11,145,479	328,614	10,816,865	1,498,837	1,498,837	\$ -
2045	10,816,865	328,614	10,488,252	1,463,817	1,463,817	\$ -
2046	10,488,252	328,614	10,159,638	1,428,798	1,428,798	\$ -
2047	10,159,638	328,614	9,831,025	1,393,779	1,393,779	\$ -
2048	9,831,025	328,614	9,502,411	1,358,760	1,358,760	\$ -
2049	9,502,411	328,614	9,173,797	1,323,741	1,323,741	\$ -
2050	9,173,797	328,614	8,845,184	1,288,722	1,288,722	\$ -
2051	8,845,184	328,614	8,516,570	1,253,703	1,253,703	\$ -
2052	8,516,570	328,614	8,187,956	1,218,683	1,218,683	\$ -
2053	8,187,956	328,614	7,859,343	1,183,664	1,183,664	\$ -
2054	7,859,343	328,614	7,530,729	1,148,645	1,148,645	\$ -
2055	7,530,729	328,614	7,202,115	1,113,626	1,113,626	\$ -
2056	7,202,115	328,614	6,873,502	1,078,607	1,078,607	\$ -
2057	6,873,502	328,614	6,544,888	1,043,588	1,043,588	\$ -
2058	6,544,888	328,614	6,216,275	1,008,569	1,008,569	\$ -
2059	6,216,275	328,614	5,887,661	973,549	973,549	\$ -
2060	5,887,661	328,614	5,559,047	938,530	938,530	\$ -
2061	5,559,047	328,614	5,230,434	903,511	903,511	\$ -
2062	5,230,434	328,614	4,901,820	868,492	868,492	\$ -
2063	4,901,820	328,614	4,573,206	833,473	833,473	\$ -
2064	4,573,206	328,614	4,244,593	798,454	798,454	\$ -
2065	4,244,593	328,614	3,915,979	763,435	763,435	\$ -
2066	3,915,979	328,614	3,587,365	728,415	728,415	\$ -
2067	3,587,365	328,614	3,258,752	693,396	693,396	\$ -
2068	3,258,752	328,614	2,930,138	658,377	658,377	\$ -
2069	2,930,138	328,614	2,601,525	623,358	623,358	\$ -
2070	2,601,525	328,614	2,272,911	588,339	588,339	\$ -
2071	2,272,911	328,614	1,944,297	553,320	553,320	\$ -
2072	1,944,297	328,614	1,615,684	518,301	518,301	\$ -
2073	1,615,684	328,614	1,287,070	483,281	483,281	\$ -
2074	1,287,070	328,614	958,456	448,262	448,262	\$ -
2075	958,456	328,614	629,843	413,243	413,243	\$ -
2076	629,843	328,614	301,229	378,224	378,224	\$ -
Project Totals		19,415,589		84,360,040	84,360,040	

[illegible]

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

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

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

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

RESERVED FOR FUTURE USE

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

Line No	Month (a)	Average Balance of Common Equity				
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1)		Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
				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	566,791,000	-	-	-	566,791,000
2	January	572,467,000	-	-	-	572,467,000
3	February	587,541,000	-	-	-	587,541,000
4	March	593,302,000	-	-	-	593,302,000
5	April	598,901,000	-	-	-	598,901,000
6	May	624,805,000	-	-	-	624,805,000
7	June	630,867,000	-	-	-	630,867,000
8	July	631,989,000	-	-	-	631,989,000
9	August	651,723,000	-	-	-	651,723,000
10	September	656,221,000	-	-	-	656,221,000
11	October	660,890,000	-	-	-	660,890,000
12	November	680,361,000	-	-	-	680,361,000
13	December of Rate Year	684,694,000	-	-	-	684,694,000
14	Average of the 13 Monthly Balances	626,196,308	-	-	-	626,196,308

		Average Balance of Long Term Debt					
Line No	Month (a)	Bonds (b)	Less: Reacquired Bonds (c)	Acct 223 LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
(Note A)		(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	-	-	400,000,000	56,000,000	-	456,000,000
16	January	-	-	400,000,000	56,000,000	-	456,000,000
17	February	-	-	400,000,000	56,000,000	-	456,000,000
18	March	-	-	400,000,000	56,000,000	-	456,000,000
19	April	-	-	400,000,000	56,000,000	-	456,000,000
20	May	-	-	400,000,000	192,500,000	-	592,500,000
21	June	-	-	400,000,000	192,500,000	-	592,500,000
22	July	-	-	400,000,000	192,500,000	-	592,500,000
23	August	-	-	400,000,000	192,500,000	-	592,500,000
24	September	-	-	400,000,000	192,500,000	-	592,500,000
25	October	-	-	400,000,000	192,500,000	-	592,500,000
26	November	-	-	379,600,000	192,500,000	-	572,100,000
27	December of Rate Year	-	-	379,600,000	192,500,000	-	572,100,000
28	Average of the 13 Monthly Balances	-	-	396,861,538	140,000,000	-	536,861,538

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

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

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	Annual Interest Expense for 2019						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			21,559,000			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 43 below.			-			
32	Amort of Debt Discount & Expense - Acct 428 (117.63.c)						
33	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)						
34	Less: Amort of Premium on Debt - Acct 429 (117.65.c)						
35	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)						
36	Total Interest Expense (Ln 30 - 31 + 32 + 33 - 34 - 35)			21,559,000			
37	Average Cost of Debt for 2019 (Ln 36/ Ln 28 (g))			4.02%			

CALCULATION OF HEDGE GAINS/LOSSES TO BE EXCLUDED FROM TCOS

38 West Virginia Transmission Company may not include costs (or gains) related to interest hedging activities.

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

Development of Cost of Preferred Stock

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

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

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

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

PBOP	(A)	(B)
1	<u>Calculation of PBOP Expenses</u>	
2	<u>AEP System PBOP Rate</u>	
3	Total AEP System PBOP expenses	-\$62,529,765
4	Base Year relating to retired personnel	\$0
5	Amount allocated on Labor	-\$62,529,765
6	Total AEP System Direct Labor Expense	\$1,368,849,981
7	AEP System PBOP expense per dollar of direct labor (PBOP Rate)	-\$0.046
8	Currently Approved PBOP Rate	-\$0.058
9	Base PBOP TransCo labor expensed in current year	2,815,458
10	Allowable TransCo PBOP Expense for current year (Ln 8 * Ln 9)	-\$163,297
11	Direct PBOP Expense per Actuarial Report	\$0
12	Additional PBOP Ledger Entry (From Company Records)	\$0
13	Medicare Credit	\$0
14	PBOP Expenses From AEP Affiliates (From Company Records)	-\$375,400
15	Actual PBOP Expense (Sum Lines 11-14)	-\$375,400
16	PBOP Adjustment Line 10 less Line 15	\$212,103

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

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

AEPTCo subsidiaries in PJM
Worksheet - P
DEPRECIATION RATES
FOR TRANSMISSION PLANT PROPERTY ACCOUNTS
EFFECTIVE AS OF July 1, 2014

West Virginia Transmission Company

	PLANT ACCT.	RATES Note 1
<i>TRANSMISSION PLANT</i>		
Land Rights	350.1	
Structures & Improvements	352.0	1.52%
Station Equipment	353.0	1.68%
Towers & Fixtures	354.0	1.54%
Poles & Fixtures	355.0	2.64%
Overhead Conductor	356.0	1.19%
Underground Conduit	357.0	1.45%
Underground Conductors	358.0	7.23%

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

<u>Composite Depreciation Rate</u>	<u>APCo</u>	<u>WPCo</u>	<u>TOTAL</u>
T-Plant (FF1 206.58.g)	1,811,822,367	29,740,179	1,841,562,546
T-Plant (FF1 206.58.b)	1,752,450,105	25,887,202	1,778,337,307
Average (Ln 1+ Ln 2)/2	1,782,136,236	27,813,691	1,809,949,927
Depreciation (FF1 336.7.f)	29,597,240	752,928	30,350,168
Composite Depreciation (Ln 3 / Ln 4)			1.68%

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

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

Reconciliation Revenue Requirement For Year 2017 Available May 25, 2018		2017 Forecasted Revenue Requirement For Year 2017		True-up Adjustment - Over (Under) Recovery
\$36,549,671	-	\$35,547,236	=	(\$1,002,435)

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

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

Calculation of Interest				Monthly		
January	Year 2017	(83,536)	0.3420%	12	3,428	86,965
February	Year 2017	(83,536)	0.3420%	11	3,143	86,679
March	Year 2017	(83,536)	0.3420%	10	2,857	86,393
April	Year 2017	(83,536)	0.3420%	9	2,571	86,107
May	Year 2017	(83,536)	0.3420%	8	2,286	85,822
June	Year 2017	(83,536)	0.3420%	7	2,000	85,536
July	Year 2017	(83,536)	0.3420%	6	1,714	85,250
August	Year 2017	(83,536)	0.3420%	5	1,428	84,965
September	Year 2017	(83,536)	0.3420%	4	1,143	84,679
October	Year 2017	(83,536)	0.3420%	3	857	84,393
November	Year 2017	(83,536)	0.3420%	2	571	84,108
December	Year 2017	(83,536)	0.3420%	1	286	83,822
					22,284	1,024,719
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Annual		
January through December	Year 2018	1,024,719	0.3420%	12	42,054	1,066,774
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Monthly		
January	Year 2019	(1,066,774)	0.3420%		3,648	979,536
February	Year 2019	(979,536)	0.3420%		3,350	891,999
March	Year 2019	(891,999)	0.3420%		3,051	804,164
April	Year 2019	(804,164)	0.3420%		2,750	716,027
May	Year 2019	(716,027)	0.3420%		2,449	627,590
June	Year 2019	(627,590)	0.3420%		2,146	538,850
July	Year 2019	(538,850)	0.3420%		1,843	449,806
August	Year 2019	(449,806)	0.3420%		1,538	360,458
September	Year 2019	(360,458)	0.3420%		1,233	270,805
October	Year 2019	(270,805)	0.3420%		926	180,844
November	Year 2019	(180,844)	0.3420%		618	90,577
December	Year 2019	(90,577)	0.3420%		310	(0)
					23,863	
True-Up Adjustment with Interest					1,090,636	
Less Over (Under) Recovery					(1,002,435)	
Total Interest					88,201	

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

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

Reconciliation Revenue Requirement For Year 2017 Available May 25, 2018		2017 Forecasted Revenue Requirement For Year 2017		True-up Adjustment - Over (Under) Recovery
\$46,078,641	-	\$45,414,454	=	(\$664,187)

Interest Rate on Amount of Refunds or Surcharges (Note 1)	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.3420%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection will be recovered prorata over 2017, held for 2018 and returned prorata over 2019						
<u>Calculation of Interest</u>				Monthly		
January Year 2017	(55,349)	0.3420%	12	2,272		57,620
February Year 2017	(55,349)	0.3420%	11	2,082		57,431
March Year 2017	(55,349)	0.3420%	10	1,893		57,242
April Year 2017	(55,349)	0.3420%	9	1,704		57,053
May Year 2017	(55,349)	0.3420%	8	1,514		56,863
June Year 2017	(55,349)	0.3420%	7	1,325		56,674
July Year 2017	(55,349)	0.3420%	6	1,136		56,485
August Year 2017	(55,349)	0.3420%	5	946		56,295
September Year 2017	(55,349)	0.3420%	4	757		56,106
October Year 2017	(55,349)	0.3420%	3	568		55,917
November Year 2017	(55,349)	0.3420%	2	379		55,728
December Year 2017	(55,349)	0.3420%	1	189		55,538
				14,765		678,952
				Annual		
January through Decen Year 2018	678,952	0.3420%	12	27,864		706,816
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly		
January Year 2019	(706,816)	0.3420%		2,417	(60,219)	649,014
February Year 2019	(649,014)	0.3420%		2,220	(60,219)	591,015
March Year 2019	(591,015)	0.3420%		2,021	(60,219)	532,818
April Year 2019	(532,818)	0.3420%		1,822	(60,219)	474,421
May Year 2019	(474,421)	0.3420%		1,623	(60,219)	415,824
June Year 2019	(415,824)	0.3420%		1,422	(60,219)	357,028
July Year 2019	(357,028)	0.3420%		1,221	(60,219)	298,030
August Year 2019	(298,030)	0.3420%		1,019	(60,219)	238,830
September Year 2019	(238,830)	0.3420%		817	(60,219)	179,428
October Year 2019	(179,428)	0.3420%		614	(60,219)	119,823
November Year 2019	(119,823)	0.3420%		410	(60,219)	60,014
December Year 2019	(60,014)	0.3420%		205	(60,219)	(0)
				15,811		
True-Up Adjustment with Interest					722,627	
Less Over (Under) Recovery					(664,187)	
Total Interest					58,440	

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.