

AMP Transmission LLC
Calculation of Transmission Revenue Requirements

AEP Transmission Zone

Attachment H-32A

Cash-Flow Model

Year Ended 12/31/2021

Projected

Projected

AEP-Area

Qualifying
Transmission
(g)

(e) x (f)
Allocated
Amount

Line No. (a)	Cost of Service Item (b)	(Note A) Page, Line, Col. (c)	Notes (d)	Company Total (e)	Allocator (f)	Qualifying Transmission (g)	(e) x (f) Allocated Amount
1	GROSS REVENUE REQUIREMENT (line 54)						\$ 1,233,120
2							
3							
4	REVENUE CREDITS	(Note C)		Total	Allocator		
5	Account No. 454	WP02		\$ -	TP 0.14899		\$ -
6	Account No. 456	WP02		\$ -	TP 0.14899		\$ -
7	Revenue Credits Specific to zone	WP02		\$ 5,629	D/A 1.00000		\$ 5,629
8	Reserved			\$ -	TP 0.14899		\$ -
9	Transmission Enhancement Credit	WP07		\$ -	TP 0.14899		\$ -
10	TOTAL REVENUE CREDITS (sum lines 5-9)						\$ 5,629
11							
12	TRUE-UP ADJUSTMENT WITH INTEREST (Protocols)	(Note D) WP05					\$ -
13							
14	Adjustments to Net Revenue Requirement (Note G)						\$ -
15	Interest on Adjustments (Note H)						\$ -
16	Total Adjustment (line 14 + line 15)						\$ -
17	NET REVENUE REQUIREMENTS						\$ 1,227,491
17a	DIVISOR						
17b	1 Coincident Peak (CP) (MW) - AEP						21,657.4 MW
17c	Annual Network Rate (\$/MW/Yr) (Line 17 / Line 17b)						\$ 56.7 /MW/Yr
18							
19	<u>O&M/A&G, DEBT SERVICE & OTHER TAXES</u>						
20							
21	Transmission O&M allocable to zone	321.112.b and WP09	WP09	\$ -	TP 14.899%		\$ -
22	Transmission O&M Specific to zone (Note M)	AEP	WP09	\$ 99,944	D/A 100.000%		\$ 99,944
23	Less Account 565	321.96.b	Form 1	\$ -	TP 14.899%		\$ -
24	Less: Account 561.2 Load Dispatch - Monitor and Operate Tr.	321.86.b	Form 1	\$ -	TP 14.899%		\$ -
25	A&G allocable to zone (Note M)	323.197.b and WP09	WP09	\$ 2,497,577	W&S 14.899%		\$ 372,106
26	A&G Specific to zone (Note M)		WP09	\$ 115,329	D/A 100.000%		\$ 115,329 1/2 of ER
27	Other Amortizations - AEP (Note N)		WP03	\$ 215,788	D/A 100.000%		\$ 215,788 1-yr. Defe
28	Other Amortizations - ATSI Zone (Note N)		WP03	\$ -			
29	Other Amortizations - All zones		WP03	\$ 4,237	D/A 0.000%		\$ - 1-yr. Defe
30	Amortization of Start-Up Costs to zone (Note N)		WP03	\$ 28,423	D/A 100.000%		\$ 28,423 3-yr. Defe
31	TOTAL O&M (sum lines 21, 22, 25-30, less lines 23 and 24)			\$ 2,961,298			\$ 831,590
32							
33	DEBT SERVICE						
34	Debt Service (Note L)		WP06	\$ 1,901,836	TP 14.899%		\$ 283,349
35	Amortization of premium or discount (Note E)			\$ -	TP 14.899%		\$ -
36	TOTAL DEBT SERVICE (Sum lines 34 and 35)			\$ 1,901,836			\$ 283,349
37	Interest for Working Capital needs		WP06b	\$ 32,500	TP 14.899%		\$ 4,842
38							
39	TAXES OTHER THAN INCOME TAXES (Note F)						
40	LABOR RELATED						
41	Payroll	263.i	Form 1	\$ -	W&S 14.899%		\$ -
42	Highway and vehicle	263.i	Form 1	\$ -	W&S 14.899%		\$ -
43	PLANT RELATED	263.i					
44	Property specific to zone (Note M)	AEP	WP09	\$ -	D/A 100.000%		\$ -
45	Property allocable to zone (Note M)	263.i and WP09	WP09	\$ -	TP 14.899%		\$ -
46	Other	263.i	Form 1	\$ -	D/A 100.000%		\$ -
47	State Franchise Tax	263.i	Form 1	\$ -	D/A 100.000%		\$ -
48	TOTAL OTHER TAXES (sum lines 41 through 47)			\$ -			\$ -
49							
50	Subtotal (lines 31 + 36 + 37 + 48)			\$ 4,895,634			\$ 1,119,781
51							
52	MARGIN REQUIREMENT (Note I) (WP10)	Margin factor	40.0%	\$ 760,734	D/A 14.899%		\$ 113,339
53							
54	REV. REQUIREMENT (sum lines 50 and 52)			\$ 5,656,368			\$ 1,233,120
55							
56	GROSS PLANT IN SERVICE						
57	Production			\$ -	NA		\$ -
58	Transmission (Note B)	207.58.g	WP01/04	\$ 2,409,505	D/A 100.000%		\$ 2,409,505
59	Distribution			\$ -	NA		\$ -
60	General & Intangible	205.5.g & 207.99.g	WP01	\$ -	W&S 14.899%		\$ -
61	Reserved			\$ -	TP 14.899%		\$ -
62	Other			\$ -	TP 14.899%		\$ -
63	TOTAL GROSS PLANT (sum lines 57 - 62)			\$ 2,409,505			\$ 2,409,505
64							
65	TRANSMISSION PLANT % INCLUDED IN PJM COST OF SERVICE						
66							
67	Total transmission plant		WP04				\$ 16,172,596
68	Less Non-Qualifying Transmission Plant		WP04				\$ 13,763,091
69	Less transmission plant included in OATT Ancillary Services		WP04				\$ -
70	Total Qualifying Transmission Plant in Service (line 67 - 68 - 69)						\$ 2,409,505
71							
72	Percentage of PJM Qualifying transmission plant included in Cost of Service (line 70 / line 67)					TP=	14.90%

AMP Transmission LLC
Calculation of Transmission Revenue Requirements
AEP Transmission Zone

Attachment H-32A

Cash-Flow Model

Year Ended 12/31/2021

Projected

Line No. (a)	<u>Cost of Service Item</u> (b)	(Note A) <u>Page, Line, Col.</u> (c)	<u>Notes</u> (d)	<u>Company Total</u> (e)	<u>Allocator</u> (f)	<u>Projected AEP-Area Qualifying Transmission</u> (g)	(e) x (f) Allocated Amount
73							
74	TRANSMISSION EXPENSES						
75							
76	Total transmission expenses (line 21+22 Column e)					99,944	
77	Less transmission expenses included in OATT Ancillary Services (Note J)					0	
78	Included transmission expenses (line 76 less line 77)					99,944	
79							
80	Percentage of transmission expenses after adjustment (line 78 divided by line 76)						1.00000
81	Percentage of transmission plant included in ISO Rates (line 72)				TP		0.14899
82	Percentage of transmission expenses included in ISO Rates (line 80 times line 81)				TE=		0.14899
83							
84							
85	WAGES & SALARY ALLOCATOR (W&S) (Note K)			\$	TP	Allocation	
86	Production			\$ -	0.00%	\$ -	
87	Transmission (WP04)			\$ 1	14.90%	\$ 0	
88	Distribution			\$ -	0.00%	\$ -	
89	Other			\$ -	0.00%	\$ -	W&S Allocator (\$ / Allocation)
90	Total (sum lines 86-89)			\$ 1		\$ 0 =	14.90% = WS

Rate Formula Template
 Utilizing Informational FERC Form 1 Data

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)
 References to data from Informational FERC Form 1 are indicated as: #.y.x (page, line, column)

Notes

- 103 A AMPT will maintain and post with informational filings an Informational FERC Form 1.
- 104 B Beginning/End year balances will match Form 1. 13-Month average balances shown on WP-01. Qualifying zonal transmission investment shown on WP04. Excluding any Transmission AROs
- 105 C The revenues credited on page 1 lines 5-9 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template.
- 106
- 107
- 108
- 109 D The True-Up adjustment is the difference between (1) the revenues received for the 12-Month period and (2) the ATRR for that 12-Month period after it is known, with interest
- 110 Over Recoveries are entered as negative to reduce the net revenue. Under recoveries are entered as Positive to increase the net revenue.
- 111 E Includes amounts recorded to accounts 428 and 429.
- 112 F Includes only FICA, unemployment, highway, property, gross receipts, PILOT, and other assessments charged in the current year. Taxes related to income are excluded.
- 113 Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- 114 G Adjustments required pursuant to Section 6 of the AMPT Protocols. Refunds shall be entered as a negative number to reduce the net revenue requirement.
- 115 Surcharges shall be entered as a positive number to increase the net revenue requirement.
- 116 H Interest required pursuant to Section 2(c) of Protocols. Interest on any refunds shall be entered as a negative number to reduce the net revenue requirement. Interest on surcharge shall be entered as a positive number to increase the net revenue requirement.
- 117
- 118 I Margin Factor equals .40 or 40% of debt service. Margin Requirement is the dollar amount that results from applying the Margin Factor to annual debt service.
- 119 The Margin Factor can only be changed by Order of the Commission
- 120 J Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including all of Account No. 561.1, 561.2, 561.3 and 561.BA.
- 121
- 122 K AMPT will have no wages and salaries. However, all A&G expense incurred by AMPT will be 100% related to AMPT Transmission
- 123 L PTRR debt service projections for zone are shown on WP06. Actual ATRR debt service (for True-up template) will be from AMPT accounting records
- 124 With respect to purchased assets, principal and interest payments related to borrowings in excess of the seller's net book value will not be included in the PTRR or ATRR debt service.
- 125 M **O&M and A&G and Property Other Taxes values taken from the column in WP09 that corresponds to the zone**
- 126
- 127 N Includes amortization of pre-commercial Start-Up costs booked in account 182.3, approved by the Commission and amortized through Account 566.

AMP Transmission LLC

Gross Plant in Service - 13 Month Average Balances

Line No.	Month	Year	Production	Transmission	Distribution	General	Intangible	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		[A]	205.46.g	207.58.g	207.75.g	207.99.g	205.5.g	
1	December	2020		9,991,907		-	-	9,991,907
2	January	2021		9,991,907		-	-	9,991,907
3	February	2021		9,991,907		-	-	9,991,907
4	March	2021		9,991,907		-	-	9,991,907
5	April	2021		13,951,907		-	-	13,951,907
6	May	2021		13,951,907		-	-	13,951,907
7	June	2021		19,616,077		-	-	19,616,077
8	July	2021		19,709,692		-	-	19,709,692
9	August	2021		19,803,307		-	-	19,803,307
10	September	2021		19,803,307		-	-	19,803,307
11	October	2021		19,803,307		-	-	19,803,307
12	November	2021		21,818,307		-	-	21,818,307
13	December	2021		21,818,307		-	-	21,818,307
14								
15	13-month Average		-	16,172,596	-	-	-	16,172,596

Asset Retirement Cost for Transmission Plant		
Transmission		
	[A]	207.57.g
December	2020	-
January	2021	-
February	2021	783,730
March	2021	783,730
April	2021	783,730
May	2021	783,730
June	2021	783,730
July	2021	783,730
August	2021	783,730
September	2021	783,730
October	2021	783,730
November	2021	783,730
December	2021	783,730
13-month Average		663,156

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

AMP Transmission LLC

Revenue Credits Workpaper

H-32A-WP02 - Revenue Credits

Add Lines if needed			
Line	<u>REVENUE CREDITS</u>	<u>Amount</u>	<u>Description of Revenue Credits</u>
<u>No.</u>	(b)	(c)	(d)
(a)			
<u>ADD LINES AS NEEDED FOR ADDITIONAL REVENUE CREDITS</u>			
1	Account No. 454	\$	-
2	Account No. 454 Revenue Credits specific to zone		
3	Account No. 454 Revenue Credits allocable to all zones	\$	-
4			
5			
6			
7	Account No. 456		
8	Account No. 456 Revenue Credits specific to zone		
9	Account No. 456 Revenue Credits allocable to all zones		
10			
11			
12	Other Revenue Credits specific to zone	\$	5,629 PTP/Through and Out Revenues - Estair
13			
14			
15			

AMP Transmission LLC

Formation Cost (Start-up) Workpaper

Add Columns and lines as needed

AMP Transmission LLC
2018 Start-Up Costs

3-year Amorts
Deferred from
and Incurred in
2018

Up Front Costs - Deferred - Amort Acct during 2021

Consultants - Acct 566	\$	8,550
Meetings - Acct 930	\$	678
AMPT Labor/Overhead - Acct 920	\$	111,153
Consulting/Legal - Acct 923	\$	50,157

Total Up-Front Costs	\$	170,538	See Tab "Detail of 3-Yr ATSI"
----------------------	----	---------	-------------------------------

Number of anticipated Transmission Zones	2	ATSI and AEP East
--	---	-------------------

Amortization period	3	years beginning 1/1/2019
---------------------	---	--------------------------

Yearly Amortization	\$	28,423	ATSI Zone 3rd Yr. and AEP zone 1st year
Deferred to AEP Zone (or Next Zone)	\$	85,269	AEP zone for future request at FERC

Other Amortizations of deferred start-up - ATSI Zone Specific - amortized in 2019

	<u>Total</u>	<u>term</u>	<u>Yearly Amortization</u>	See Tab "Detail of 1-Yr ATSI"
2018 Cost Amortized through Account 561 NERC compliance fees/PJM fees	\$ -	1	\$ -	
2018 Cost Amortized through Account 566 PJM Fees/Grid Reliability	\$ -	1	\$ -	
2018 Cost Amortized through Account 920 Start-up Admin Salaries	\$ -	1	\$ -	
2018 Cost Amortized through Account 923 - legal/consulting	\$ -	1	\$ -	Add lines as needed
2018 Cost Amortized through Account 930 - travel/insurance	\$ -	1	\$ -	
2018 Cost Amortized through Account 933	\$ -	1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
Total 1-year Amort to ATSI zone	\$ -		\$ -	

Other Amortizations - 1-Year

	<u>Total</u>	<u>term</u>	<u>Yearly Amortization</u>	
Post Startup - AEP Allocation - 2018, 2019, and 2020	\$ 215,788	Deferred	\$ 215,788	
Post Startup - Dayton Allocation	\$ 4,178	Deferred	\$ 4,178	
Post Startup - Duke Allocation	\$ 59	Deferred	\$ 59	
List other AEP Amortizations here	\$ -	0	\$ -	Add lines as needed
List other AEP Amortizations here	\$ -	0	\$ -	
List other AEP Amortizations here	\$ -	0	\$ -	
List other AEP Amortizations here	\$ -	0	\$ -	
Total AEP zonal Amortizations			\$ 220,025	
	\$ 220,025			

AMP Transmission LLC

Zonal Investment Workpaper

Add Zones if necessary. Add lines for more project investment

Line No.

AMPT Transmission Investment - Gross Plant					
	(a)	(b)	(c)	(d)	(e)
		<u>ATSI</u>	<u>AEP</u>	<u>Dayton</u>	<u>AMPT Total</u>
1					
2					
3					
4					
5					
6	Projet 1	\$ 1,111,674	\$ -	\$ -	\$ 1,111,674
6a	Projet 2	\$ 512,546	\$ -	\$ -	\$ 512,546
6b	Projet 3	\$ 467,934	\$ -	\$ -	\$ 467,934
6c	Projet 4	\$ 2,741,538	\$ -	\$ -	\$ 2,741,538
6d	Projet 5	\$ 667,805	\$ -	\$ -	\$ 667,805
6e	Projet 6	\$ 2,651,998	\$ -	\$ -	\$ 2,651,998
6f	Projet 7	\$ 1,400,000	\$ -	\$ -	\$ 1,400,000
6g	Projet 8	\$ 2,122,673	\$ -	\$ -	\$ 2,122,673
6h	Projet 9	\$ 310,000	\$ -	\$ -	\$ 310,000
6i	Projet 10	\$ -	\$ 1,136,490	\$ -	\$ 1,136,490
6j	Projet 11	\$ -	\$ 1,273,015	\$ -	\$ 1,273,015
6k	Projet 12	\$ -	\$ -	\$ 1,776,923	\$ 1,776,923
6l	Subtotal	\$ 11,986,168	\$ 2,409,505	\$ 1,776,923	\$ 16,172,596
6m					
7	<u>Non-Qualifying</u>				
7a	ATSI Zone	\$ -	\$ -	\$ -	\$ -
7b	AEP Zone	\$ -	\$ -	\$ -	\$ -
7c	Dayton Zone	\$ -	\$ -	\$ -	\$ -
7d	Other Non-Qualifying Facilities	\$ -	\$ -	\$ -	\$ -
7e	Other Non-Qualifying Facilities	\$ -	\$ -	\$ -	\$ -
8	Total Qualifying	\$ 11,986,168	\$ 2,409,505	\$ 1,776,923	\$ 16,172,596
9					
10	Zonal Allocation	100.00%	100.00%	100.00%	
11					
12	Allocated To Zone	\$ 11,986,168	\$ 2,409,505	\$ 1,776,923	\$ 16,172,596
13					
14					

Transmission Plant recovered in Ancillary Services

	<u>ATSI</u>	<u>AEP</u>	<u>Other Zone</u>	<u>AMPT Total</u>
15				
16				
17				
18				
19				
20				
21	Amount	\$ -	\$ -	\$ -
22				
23	Zonal Allocation	0%	0%	0%
24				
25	Allocated To Zone	\$ -	\$ -	\$ -
26				
27				

Wages and Salaries Proxy - Gross Plant in Each Zone

28				
29				
30	Line 12(b, c, or d) divided by Line 12 (e)	74.114%	14.899%	10.987%

AMP Transmission LLC
True-Up and Adjustments Workpaper

AMPT True-up with Interest - based on Protocols - ATRR True-Up from _____

NITS Revenues received by PJM for the Year (Note 2)					Actual Revenue Requirement For Year (ATRR)				True-up Adjustment - (Over)/Under Recovery
\$ -	-	=	-	-	\$ -	-	-	-	\$ -

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

As an example, an over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021

Calculation of Interest

				Monthly			
January	Year 2019	-	Note 1	12	#VALUE!		#VALUE!
February	Year 2019	-	Note 1	11	#VALUE!		#VALUE!
March	Year 2019	-	Note 1	10	#VALUE!		#VALUE!
April	Year 2019	-	Note 1	9	#VALUE!		#VALUE!
May	Year 2019	-	Note 1	8	#VALUE!		#VALUE!
June	Year 2019	-	Note 1	7	#VALUE!		#VALUE!
July	Year 2019	-	Note 1	6	#VALUE!		#VALUE!
August	Year 2019	-	Note 1	5	#VALUE!		#VALUE!
September	Year 2019	-	Note 1	4	#VALUE!		#VALUE!
October	Year 2019	-	Note 1	3	#VALUE!		#VALUE!
November	Year 2019	-	Note 1	2	#VALUE!		#VALUE!
December	Year 2019	-	Note 1	1	#VALUE!		#VALUE!
					#VALUE!		#VALUE!
					Annual		
January through December	Year 2020	#VALUE!	Note 1	12	#VALUE!		#VALUE!

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

					Monthly		
January	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
February	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
March	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
April	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
May	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
June	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
July	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
August	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
September	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
October	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
November	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
December	Year 2021	#VALUE!	Note 1		#VALUE!	#VALUE!	#VALUE!
					#VALUE!	#VALUE!	#VALUE!

True-Up with Interest					
Less Over (Under) Recovery				\$ -	
Total Interest				#VALUE!	

Note 1: Interest Rate on Amount of Refunds or Surcharges is the monthly average interest rate calculated in accordance with section 2(c) of the AMPT Formula Rate Protocols.

Note 2: Exclude any true-up amount included in the PTRR for the year being true-up

AMP Transmission LLC
Debt Service Workpaper - Monthly

Debt Service Payments - Year End 12/31/2021

This tab is to accommodate projects that may go in service or close mid-year in any particular month

Add Additional Project Columns and lines as needed

AMPT Projects				Total Projects	Project #1	Project #2	Project #3	Project #4	Project #5	Project #6	Project #7	Project #8	Project #9	Project #10	Project #11	Project #12
From WP06	Total Debt Service Over Loan Term															
Debt Service Schedule (Monthly)																
Year	Month															
2019	1/1/2019		\$4,870													
2019	2/1/2019		\$4,419													
2019	3/1/2019		\$4,597													
2019	4/1/2019		\$5,095													
2019	5/1/2019		\$4,435													
2019	6/1/2019		\$4,464													
2019	7/1/2019		\$5,306													
2019	8/1/2019		\$4,811													
2019	9/1/2019		\$7,242													
2019	10/1/2019		\$6,928													
2019	11/1/2019		\$6,308													
2019	12/1/2019		\$9,221													
2020	1/1/2020		\$20,898													
2020	2/1/2020		\$20,898													
2020	3/1/2020		\$20,898													
2020	4/1/2020		\$20,898													
2020	5/1/2020		\$20,898													
2020	6/1/2020		\$20,898													
2020	7/1/2020		\$20,898													
2020	8/1/2020		\$20,898													
2020	9/1/2020		\$45,855													
2020	10/1/2020		\$45,855													
2020	11/1/2020		\$45,855													
2020	12/1/2020		\$52,462													
2021	1/1/2021		\$87,613													
2021	2/1/2021		\$99,451													
2021	3/1/2021		\$99,451													
2021	4/1/2021		\$99,451													
2021	5/1/2021		\$138,930													
2021	6/1/2021		\$138,930													
2021	7/1/2021		\$195,091													
2021	8/1/2021		\$195,091													
2021	9/1/2021		\$195,091													
2021	10/1/2021		\$195,091													
2021	11/1/2021		\$195,091													
2021	12/1/2021		\$216,215													
2022	1/1/2022		\$216,215													
2022	2/1/2022		\$216,215													
2022	3/1/2022		\$216,215													
2022	4/1/2022		\$216,215													
2022	5/1/2022		\$216,215													
2022	6/1/2022		\$216,215													
2022	7/1/2022		\$216,215													
2022	8/1/2022		\$216,215													
2022	9/1/2022		\$216,215													
2022	10/1/2022		\$216,215													
2022	11/1/2022		\$216,215													
2022	12/1/2022		\$216,215													
2023	1/1/2023		\$216,215													

ADD ROWS AND COLUMNS AS NEEDED OVER TIME

AMP Transmission LLC
 Debt Service Workpaper - Monthly

Debt Service Payments - Year End 12/31/2021

Add Additional "Other" Columns and lines as needed

Other AMPT Capitalized Equipment				Total Projects	Project #1	Project #2	Project #3	Project #4	Project #5	Project #6	Project #7	Project #8	Project #9	Project #10	Project #11	Project #12
From WP06	Total Debt Service Over Loan Term															
Debt Service Schedule (Monthly)																
Year	Month															
2019	1/1/2019		\$0													
2019	2/1/2019		\$0													
2019	3/1/2019		\$0													
2019	4/1/2019		\$0													
2019	5/1/2019		\$524													
2019	6/1/2019		\$550													
2019	7/1/2019		\$653													
2019	8/1/2019		\$387													
2019	9/1/2019		\$583													
2019	10/1/2019		\$558													
2019	11/1/2019		\$373													
2019	12/1/2019		\$545													
2020	1/1/2020		\$2,289													
2020	2/1/2020		\$2,289													
2020	3/1/2020		\$2,289													
2020	4/1/2020		\$2,289													
2020	5/1/2020		\$2,289													
2020	6/1/2020		\$2,289													
2020	7/1/2020		\$2,289													
2020	8/1/2020		\$2,289													
2020	9/1/2020		\$2,289													
2020	10/1/2020		\$2,289													
2020	11/1/2020		\$2,289													
2020	12/1/2020		\$2,289													
2021	1/1/2021		\$2,289													
2021	2/1/2021		\$2,289													
2021	3/1/2021		\$2,289													
2021	4/1/2021		\$2,289													
2021	5/1/2021		\$2,289													
2021	6/1/2021		\$2,289													
2021	7/1/2021		\$4,005													
2021	8/1/2021		\$5,720													
2021	9/1/2021		\$5,720													
2021	10/1/2021		\$5,720													
2021	11/1/2021		\$5,720													
2021	12/1/2021		\$5,720													
2022	1/1/2022		\$5,720													
2022	2/1/2022		\$5,720													
2022	3/1/2022		\$5,720													
2022	4/1/2022		\$5,720													
2022	5/1/2022		\$5,720													
2022	6/1/2022		\$5,720													
2022	7/1/2022		\$5,720													
2022	8/1/2022		\$5,720													
2022	9/1/2022		\$5,720													
2022	10/1/2022		\$5,720													
2022	11/1/2022		\$5,720													
2022	12/1/2022		\$5,720													
2023	1/1/2023		\$5,720													

ADD ROWS AND COLUMNS AS NEEDED OVER TIME

With corrections under Commission Consideration in Docket No. ER20-2942

AMP Transmission LLC

Interest on Working Capital Workpaper

Line No. (a)	Components - Description (b)	Amounts (c)
1	AMPT Working Capital Loan from AMP	\$ 1,000,000
2		
3	Prime Rate	3.25%
4		
5	Interest on Working Capital Loan ¹	\$ 32,500
6		
7		
8	For ATRR and True-up, AMPT will record actual interest expense	
9		
10	Note 1: to Attachment H-32A, page 1, line 37	
11		
12	For ATRR and True-up, interest will be per books	
13	For PTRR, use most recent available Prime Rate when projections are done	

AMP Transmission LLC

Transmission Enhancement Credit (Schedule 12 Projects)
To be completed in conjunction with Attachment H-32A

Line No.	(1)	(2)	(3)	(4)
	Reference	Transmission	Allocator	
1	Gross Transmission Plant - Total		\$ 2,409,505	
2	Net Transmission Plant - Total			
3				
4	O&M EXPENSE			
5	Total O&M Allocated to Transmission		\$ 831,590	
6	Annual Allocation Factor for O&M		34.51%	34.51%
7				
8	DEBT SERVICE		\$ 283,349	
9	Annual Allocation Factor for Debt Service		11.76%	11.76%
10				
11	MARGIN REQUIREMENT		\$ 113,339	
12	Annual Allocation Factor for Margin Requirement		4.70%	4.70%
13				
14	TAXES OTHER THAN INCOME TAXES			
15	Total Other Taxes		\$ -	
16	Annual Allocation Factor for Other Taxes		0.00%	0.00%
17	Annual Allocation Factor for Expense and Margin Requirement	Sum of line 6 through 16		50.98%
18				
19				
20				
21	Add lines for projects as needed			

Transmission Enhancement Credit (Schedule 12 Projects)
To be completed in conjunction with Attachment H-32A

Line No.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	True-up Adjustment	Annual Revenue Requirement with True-up
28				(line 18)	(Col. 3 * Col. 4)	N/A		(Col. 6 * Col. 7)		(WP08-True-up Col. i)	(Sum Col. 5, 8, 9 & 10)
30	1a	b	\$ -	50.98%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
31	1b	b	\$ -	50.98%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
32	1c	b	\$ -	50.98%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -

2 Transmission Enhancement Credit for Attachment H-32A Page 1, Line 9

Notes

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-21A.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-21A.
- C

- D Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 above. This value includes subsequent capital investments required to maintain the project in-service.
- E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- F Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-21A page 3 line 12.

AMP Transmission LLC

Transmission Enhancement Credit (Schedule 12 Projects)

Add more lines as needed

Transmission Enhancement Credit - True-up

To be completed after WP07 for the True-up Year is updated using actual data

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
Line No.	Project Name	RTEP Project Number	Actual TEC Revenues	Projected TEC Annual Revenue Requirement	Actual TEC Revenues Allocated to Projects	Actual TEC Annual Revenue Requirement	True-up Adjustment Principal Under/(Over)	Applicable Interest on Under/(Over)	True-up Adjustment with Interest Under/(Over)
				from PTRR	[Col. c, line 1 * (Col. d, line 2x / Col. d, line 3)]	from ATRR	Col. f - Col. e	Col. g * [(line 4a / line 4b) - 1]	Col. g + Col. H
1	[A] Actual PJM TEC Revenues for True-up Year		-						
2a		b		-	-		-	-	-
2b		b		-	-		-	-	-
2c		b		-	-		-	-	-
3	Subtotal			-	-	-			
4a	Revenue Requirement True-up with Interest						-		
4b	Revenue Requirement True-up - Over/Under Recovery						-		

NOTE

[A] Amount included in revenues reported on page 330, column k of FERC Form 1.

AMP Transmission LLC
 Transmission O&M, A&G, and Other Taxes Workpaper

Add lines and other zones as needed to increase transparency

TRANSMISSION O&M, A&G, and OTHER TAXES DETAIL

Add Lines and Columns to if necessary to increase transparency

Line No. (a)	Item (b)	Form 1 Reference (c)	Amount (d)	Deferred (e)	Description (f)		
1	Total Transmission O&M - 2021 Projected	321.112.b	\$ 214,073		Projected		
2							
3	Total Transmission O&M Specific to ATSI zone	Total	Alloc	ATSI	AEP	Dayton	Projected
4	Total Transmission O&M Specific to ATSI zone - Projected Maintenance	\$ 214,073	100%	\$ 214,073	\$ -	\$ -	Projected Maintenance - ATSI zone
5	Total Transmission O&M Specific to ATSI zone - Projected Operations	\$ 254,671	100%	\$ 254,671	\$ -	\$ -	Projected Operations - ATSI zone
6			100%	\$ -	\$ -	\$ -	
7				\$ -	\$ -	\$ -	
8			\$ -	\$ -	\$ -	\$ -	
9	Subtotal ATSI Zone	\$ 468,744		\$ 468,744	\$ -	\$ -	sum of transmission O&M specific to ATSI zone
10	Total Transmission O&M Specific to AEP zone						
11							
12	Total Transmission O&M Specific to AEP zone	\$ 99,944		\$ -	\$ 99,944	\$ -	projected O&M expense for AEP zone only
13	Total Transmission O&M Specific to AEP zone			\$ -	\$ -	\$ -	Add description
14	Total Transmission O&M Specific to AEP zone			\$ -	\$ -	\$ -	Add description
15	Total Transmission O&M Specific to AEP zone			\$ -	\$ -	\$ -	Add description
16	Total Transmission O&M Specific to AEP zone	\$ -		\$ -	\$ -	\$ -	Add description
17	Subtotal AEP Zone	\$ 99,944		\$ -	\$ 99,944	\$ -	sum of transmission O&M specific to AEP zone
18	Total Transmission O&M Specific to Dayton zone						
19	Total Transmission O&M Specific to Dayton zone - Projected Operations	\$ 38,404	100%	\$ -	\$ -	\$ 38,404	Tipp City Sub #1, #2, and #3
20	Total Transmission O&M Specific to Dayton zone			\$ -	\$ -	\$ -	
21	Total Transmission O&M Specific to Dayton zone			\$ -	\$ -	\$ -	
22	Total Transmission O&M Specific to Dayton zone			\$ -	\$ -	\$ -	
23	Total Transmission O&M Specific to Dayton zone	\$ -		\$ -	\$ -	\$ -	
24	Subtotal Dayton Zone	\$ 38,404		\$ -	\$ -	\$ 38,404	sum of transmission O&M specific to Dayton zone
25							
26	Total Transmission O&M Specific to all zones - Alloc on Plant						
27	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
28	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
29	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
30	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
31	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
32	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
33	List transmission specific to all zones here - add rows if necessary	\$ -		\$ -	\$ -	\$ -	Add description
34	Total Transmission O&M Specific to all zones	\$ -		\$ -	\$ -	\$ -	sum of transmission O&M specific to all zones
35							
36							
37							
38							

	Item (b)	Form 1 Reference (c)	Amount (d)	AEP	Dayton (e)	Description (f)
39						
40						
41						
42						
43						
44	A&G Expense - 2021 Projected	323.197.b	\$ -			Projected
45	Total A&G Specific to ATSI zone	350.d	\$ -			
46		\$ -	\$ -			
47						
48						
49	3-Year Start Up Costs - 3rd Year in ATSI zone	\$ 28,423	\$ 28,423			See WP03 - Account 900s 1-year amortization of start-up in 2019 and 3-year amort
50	List A&G specific to ATSI zone here - add rows if necessary		\$ -			Add description
51	List A&G specific to ATSI zone here - add rows if necessary		\$ -			Add description
52	List A&G specific to ATSI zone here - add rows if necessary		\$ -			Add description
53	Subtotal A&G Specific to ATSI zone	\$ 28,423	\$ 28,423	\$ -	\$ -	sum of A&G specific to ATSI zone
54						
55	Total A&G Specific to AEP zone	323.189.b				
56	Regulatory Commission Expense - Original ATSI formula shared 2 zones	\$ 120,657	\$ -	\$ 60,329	\$ -	FERC Docket ER19-263 - AMPT formula rate filing - 1/2 of \$120,657 to 2nd Zone
57	Regulatory Commission Expense - AEP Zonal formula filing	\$ 55,000	\$ -	\$ 55,000		New Docket to seek approval of AMPT formula in AEP zone - Legal and Consulting Deferred to AEP
58	3-Year Start-Up Costs - 1st year for AEP zone		\$ -	\$ -		Add description
59	List A&G specific to AEP zone here - add rows if necessary		\$ -			Add description
60	List A&G specific to AEP zone here - add rows if necessary		\$ -			Add description
61	Subtotal A&G Specific to AEP zone	\$ 175,657	\$ -	\$ 115,329	\$ -	sum of A&G specific to AEP zone
62						
63	Total A&G Specific to Dayton zone					
64	List A&G specific to Dayton zone here - add rows if necessary					Add description
65	List A&G specific to Dayton zone here - add rows if necessary					Add description
66	List A&G specific to Dayton zone here - add rows if necessary					Add description
67	List A&G specific to Dayton zone here - add rows if necessary					Add description
68	List A&G specific to Dayton zone here - add rows if necessary		\$ -	\$ -	\$ -	Add description
69	Subtotal A&G Specific to Dayton zone	\$ -	\$ -	\$ -	\$ -	sum of A&G specific to Dayton zone
70						
71	Total A&G Allocable to all zones - Alloc on Plant					
72	Labor and Overheads	\$ 1,176,129	\$ 871,677	\$ 175,228	\$ 129,224	labor and overhead
73	IT and Software	\$ 127,871	\$ 94,770	\$ 19,051	\$ 14,050	IT and Software Expense
74	Insurance	\$ 59,577	\$ 51,942	\$ 3,379	\$ 6,546	Insurance
75	Training/Education	\$ 26,000	\$ 19,270	\$ 3,874	\$ 2,857	Training/Education
76	Legal & Outside Professional Services/Consultants	\$ 1,108,000	\$ 821,184	\$ 165,077	\$ 121,739	Legal & Outside Professional Services/Consultants - Engineering Standards Development
77	Total A&G Allocable to all zones	\$ 2,497,577	\$ 1,858,843	\$ 366,609	\$ 274,415	sum of A&G Allocable to all zones
78						
79		263.i				
80	Other Taxes - 2021 Projected					From Informational Form 1 for ATRR True-up, otherwise estimate for PTRR
81		263.i.1				
82	Other Taxes specific to ATSI Zone					
83	ATSI Assets property tax - Estimate 2021	\$ 80,000	\$ 80,000		\$ -	ATSI Assets property tax - Estimate 2021
84	Other Tax specific to ATSI zone here - add rows if necessary		\$ -		\$ -	Add description
85	Other Tax specific to ATSI zone here - add rows if necessary		\$ -		\$ -	Add description
86	Other Tax specific to ATSI zone here - add rows if necessary		\$ -		\$ -	Add description
87	Other Tax specific to ATSI zone here - add rows if necessary		\$ -		\$ -	Add description
88	Other Tax specific to ATSI zone here - add rows if necessary		\$ -		\$ -	Add description
89	Subtotal Other Taxes Specific to ATSI Zone	\$ 80,000	\$ 80,000	\$ -	\$ -	sum of Other Taxes specific to ATSI zone
90						
91	Other Taxes specific to AEP Zone					
92	Other Tax specific to AEP zone here - add rows if necessary		\$ -		\$ -	Add description
93	Other Tax specific to AEP zone here - add rows if necessary		\$ -		\$ -	Add description
94	Other Tax specific to AEP zone here - add rows if necessary		\$ -		\$ -	Add description
95	Other Tax specific to AEP zone here - add rows if necessary		\$ -		\$ -	Add description
96	Other Tax specific to AEP zone here - add rows if necessary		\$ -		\$ -	Add description
97	Subtotal Other Taxes Specific to AEP Zone	\$ -	\$ -	\$ -	\$ -	sum of Other Taxes specific to AEP zone
98						
99	Other Taxes specific to Dayton Zone					
100	Other Tax specific to Dayton zone here - add rows if necessary		\$ -		\$ -	Add description
101	Other Tax specific to Dayton zone here - add rows if necessary		\$ -		\$ -	Add description
102	Other Tax specific to Dayton zone here - add rows if necessary		\$ -		\$ -	Add description
103	Other Tax specific to Dayton zone here - add rows if necessary		\$ -		\$ -	Add description
104	Other Tax specific to Dayton zone here - add rows if necessary		\$ -		\$ -	Add description
105	Subtotal Other Taxes Specific to Dayton Zone	\$ -	\$ -	\$ -	\$ -	sum of Other Taxes specific to Dayton zone
106						
107	Other Taxes Specific to all zones					
108	Other Tax specific to all zones here - add rows if necessary		\$ -		\$ -	Add description
109	Other Tax specific to all zones here - add rows if necessary		\$ -		\$ -	Add description
110	Other Tax specific to all zones here - add rows if necessary		\$ -		\$ -	Add description
111	Other Tax specific to all zones here - add rows if necessary		\$ -		\$ -	Add description
112	Other Tax specific to all zones here - add rows if necessary		\$ -		\$ -	Add description
113	Total Other Taxes Specific to all zones	\$ -	\$ -	\$ -	\$ -	sum of Other Taxes specific to all zones

AMP Transmission LLC**Development of Margin Requirement - AEP**

Line No.	Item	12-Month Period=	2021
(a)	(b)		(c)
1	Debt Service Payments ¹		\$1,934,336
2			
3	Less:		
4	Interest on Working Capital Loans (WP06b)		\$ 32,500
5	Premium paid on Debt and included in debt service		\$ -
6	Other Adjustments needed to reflect only Debt Service on Assets		\$ -
7	Add Additional deductions to Debt Service Payments as needed		\$ -
8			
9	Net Debt Service Payments (line 1 - lines 4 thorough 7)		\$ 1,901,836
10	Margin Factor (fixed)		40%
11	Margin Requirement (line 9 x line 10) - To H-32A line		\$ 760,734
12			
13	Notes:		
14	1. Excludes any Debt Service related to Acquisition Adjustments if any per WP06		