

AMP Transmission LLC
Calculation of Transmission Revenue Requirements
ATSI Transmission Zone

Attachment H-32A

Cash-Flow Model

Year Ended 12/31/2020

Actual

Line No. (a)	Cost of Service Item (b)	(Note A) Page, Line, Col. (c)	Notes (d)	Company Total (e)	Allocator (f)		Actual ATSI-Area Qualifying Transmission (g)
							(e) x (f) Allocated Amount
1	GROSS REVENUE REQUIREMENT (line 54)						\$ 2,853,951
2							
3							
4	REVENUE CREDITS	(Note C)		Total		Allocator	
5	Account No. 454	WP02		\$ -	TP	1.00000	\$ -
6	Account No. 456	WP02		\$ -	TP	1.00000	\$ -
7	Revenue Credits Specific to zone	WP02		\$ 24,107	D/A	1.00000	\$ 24,107
8	Reserved			\$ -	TP	1.00000	\$ -
9	Transmission Enhancement Credit	WP07		\$ -	TP	1.00000	\$ -
10	TOTAL REVENUE CREDITS (sum lines 5-9)			\$ -			\$ 24,107
11							
12	TRUE-UP ADJUSTMENT WITH INTEREST (Protocols)	(Note D) WP05					\$ 1,131,286
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						\$ 3,961,129
17a	DIVISOR						
17b	1 Coincident Peak (CP) (MW) - ATSI						12,824.5 MW
17c	Annual Network Rate (\$/MW/Yr) (Line 17 / Line 17b)						\$ 308.9 /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	100.000%	\$ -
22	Transmission O&M Specific to zone (Note M)	ATSI	WP09	\$ 386,650	D/A	100.000%	\$ 386,650
23	Less Account 565	321.96.b	Form 1	\$ -	TP	100.000%	\$ -
24	Less: Account 561.2 Load Dispatch - Monitor and Operate Trans	321.86.b	Form 1	\$ -	TP	100.000%	\$ -
25	A&G allocable to zone (Note M)	323.197.b and WP09	WP09	\$ (2,827)	W&S	100.000%	\$ (2,827)
26	A&G Specific to zone (Note M)		WP09	\$ 922,305	D/A	100.000%	\$ 922,305
27	Other Amortizations - ATSI (Note N)		WP03	\$ -	D/A	100.000%	\$ -
28	Other Amortizations - ___other Zone (Note N)		WP03	\$ -			\$ -
29	Other Amortizations - All zones		WP03	\$ -	D/A		\$ -
30	Amortization of Start-Up Costs to zone (Note N)		WP03	\$ 28,423	D/A	100.000%	\$ 28,423
31	TOTAL O&M (sum lines 21, 22, 25-30, less lines 23 and 24)			\$ 1,334,551			\$ 1,334,551
32							
33	DEBT SERVICE						
34	Debt Service (Note L)		WP06	\$ 990,753	TP	100.000%	\$ 990,753
35	Amortization of premium or discount (Note E)			\$ -	TP	100.000%	\$ -
36	TOTAL DEBT SERVICE (Sum lines 34 and 35)			\$ 990,753			\$ 990,753
37	Interest for Working Capital needs		WP06b	\$ 50,148	TP	100.000%	\$ 50,148
38							
39	TAXES OTHER THAN INCOME TAXES (Note F)						
40	LABOR RELATED						
41	Payroll	263.i	Form 1	\$ -	W&S	100.000%	\$ -
42	Highway and vehicle	263.i	Form 1	\$ -	W&S	100.000%	\$ -
43	PLANT RELATED	263.i					
44	Property specific to zone (Note M)	ATSI	WP09	\$ 82,198	D/A	100.000%	\$ 82,198
45	Property allocable to zone (Note M)	263.i and WP09	WP09	\$ -	TP	100.000%	\$ -
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)			\$ 82,198			\$ 82,198
49							
50	Subtotal (lines 31 + 36 + 37 + 48)			\$ 2,457,649			\$ 2,457,649
51							
52	MARGIN REQUIREMENT (Note I) (WP10)	40% of Debt Service	40.0%	\$ 396,301	D/A	100.000%	\$ 396,301
53							
54	REV. REQUIREMENT (sum lines 50 and 52)			\$ 2,853,951			\$ 2,853,951
55							
56	GROSS PLANT IN SERVICE						
57	Production			\$ -	NA		\$ -
58	Transmission (Note B)	207.58.g	WP01/04	\$ 3,209,306	D/A	100.000%	\$ 3,209,306
59	Distribution			\$ -	N/A		\$ -
60	General & Intangible	205.5.g & 207.99.g	WP01	\$ -	W&S	100.000%	\$ -
61	Reserved			\$ -	TP	100.000%	\$ -
62	Other			\$ -	TP	100.000%	\$ -
63	TOTAL GROSS PLANT (sum lines 57 - 62)			\$ 3,209,306			\$ 3,209,306
64							
65	TRANSMISSION PLANT % INCLUDED IN PJM COST OF SERVICE						
66							
67	Total transmission plant		WP04	\$ 3,209,306			\$ 3,209,306
68	Less Non-Qualifying Transmission Plant		WP04	\$ -			\$ -
69	Less transmission plant included in OATT Ancillary Services		WP04	\$ -			\$ -
70	Total Qualifying Transmission Plant in Service (line 67 - 68 - 69)			\$ 3,209,306			\$ 3,209,306
71							
72	Percentage of PJM Qualifying transmission plant included in Cost of Service (line 70 / line 67)					TP=	100.00%

AMP Transmission LLC
Calculation of Transmission Revenue Requirements
ATSI Transmission Zone

Attachment H-32A

Cash-Flow Model

Year Ended 12/31/2020

Projected or Actual

Line No.	<u>Cost of Service Item</u>	(Note A) <u>Page, Line, Col.</u>	<u>Notes</u>	<u>Company Total</u>	<u>Allocator</u>	<u>Actual ATSI-Area Qualifying Transmission</u>
(a)	(b)	(c)	(d)	(e)	(f)	(g)
73						
74	TRANSMISSION EXPENSES					
75						
76	Total transmission expenses (line 21+22 Column e)					386,650
77	Less transmission expenses included in OATT Ancillary Services (Note J)					<u>0</u>
78	Included transmission expenses (line 76 less line 77)					386,650
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	1.00000
82	Percentage of transmission expenses included in ISO Rates (line 80 times line 81)				TE=	1.00000
83						
84						
85	WAGES & SALARY ALLOCATOR (W&S) (Note K)					
86	Production			\$ -	TP 0.00%	\$ -
87	Transmission (WP04)			\$ 1	100.00%	\$ 1
88	Distribution			\$ -	0.00%	\$ -
89	Other			\$ -	0.00%	\$ -
90	Total (sum lines 86-89)			\$ 1		\$ 1 =
91						W&S Allocator (\$ / Allocation) 100.0000% = WS
92						
93						
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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

- A AMPT will maintain and post with informational filings an Informational FERC Form 1.
- 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
- 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
- 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. Over Recoveries are entered as negative to reduce the net revenue. Under recoveries are entered as Positive to increase the net revenue.
- E Includes amounts recorded to accounts 428 and 429.
- F Includes only FICA, unemployment, highway, property, gross receipts, PILOT, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- 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. Surcharges shall be entered as a positive number to increase the net revenue requirement.
- 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.
- 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. The Margin Factor can only be changed by Order of the Commission
- 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.
- K AMPT will have no wages and salaries. However, all A&G expense incurred by AMPT will be 100% related to AMPT Transmissior
- 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. 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.
- M O&M and A&G and Property Other Taxes values taken from the column in WP09 that corresponds to the zone
- 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

Page 3 of 18
Actual

Attachment H-32A - WP01 - Plant - 2020

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	2019		2,048,947		-	-	2,048,947
2	January	2020		2,048,947		-	-	2,048,947
3	February	2020		2,048,947		-	-	2,048,947
4	March	2020		2,048,947		-	-	2,048,947
5	April	2020		2,048,947		-	-	2,048,947
6	May	2020		2,358,044		-	-	2,358,044
7	June	2020		2,358,044		-	-	2,358,044
8	July	2020		2,358,044		-	-	2,358,044
9	August	2020		4,880,421		-	-	4,880,421
10	September	2020		4,880,421		-	-	4,880,421
11	October	2020		4,880,421		-	-	4,880,421
12	November	2020		4,880,421		-	-	4,880,421
13	December	2020		4,880,421		-	-	4,880,421
14								
15	13-month Average		-	3,209,306	-	-	-	3,209,306

Asset Retirement Cost for Transmission Plant

			Transmission
		[A]	207.57.g
22	December	2019	-
23	January	2020	-
24	February	2020	783,890
25	March	2020	783,890
26	April	2020	783,890
27	May	2020	783,890
28	June	2020	783,890
29	July	2020	783,890
30	August	2020	783,890
31	September	2020	783,890
32	October	2020	783,890
33	November	2020	783,890
34	December	2020	783,890
35			
36	13-month Average		663,292

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 No.	<u>REVENUE CREDITS</u>	<u>Amount</u>	<u>Description of Revenue Credits</u>
(a)	(b)	(c)	(d)
<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	\$ 24,107	PTP/Through and Out Revenues in ATS
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 2020	
Consultants - Acct 566	\$ 8,550
Meetings - Acct 930	\$ 678
AMPT Labor/Overhead - Acct 920	\$ 36,117
Consulting/Legal - Acct 923	\$ 50,595
AMPT Labor/Overhead - Acct 922	\$ 74,598
Total Up-Front Costs	\$ 170,539

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 for 2020
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"
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	Add lines as needed
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
		1	\$ -	
Total 1-year Amort to ATSI zone	\$ -		\$ -	

Other Amortizations - AEP

	<u>Total</u>	<u>term</u>	<u>Yearly</u> <u>Amortization</u>	
List other AEP Amortizations here	\$ -	0	\$ -	
List other AEP Amortizations here	\$ -	0	\$ -	
List other AEP Amortizations here	\$ -	0	\$ -	
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	\$ -		\$ -	

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>Other zone</u>	AMPT <u>Total</u>
1					
2					
3					
4					
5					
6	City of Napoleon	\$ 1,111,674	\$ -	\$ -	\$ 1,111,674
6a	City of Amherst	\$ 469,339			\$ 469,339
6b	City of Wadsworth	\$ 467,934			\$ 467,934
6c	City of Brewster	\$ 970,145			\$ 970,145
6d	Project 5	\$ 190,214			\$ 190,214
6e		\$ -			\$ -
6f		\$ -			\$ -
6g					
7	<u>Non-Qualifying in ATSI zone</u>				
8	2nd Zone Purchase 1		\$ -		\$ -
9	2nd Zone area Purchase 2		\$ -		\$ -
10			\$ -		\$ -
11	Other Non-Qualifying Facilities	\$ -	\$ -	\$ -	\$ -
12	Total Qualifying	\$ 3,209,306	\$ -	\$ -	\$ 3,209,306
13					
14	Zonal Allocation	100.00%	100.00%	0.00%	
15					
16	Allocated To Zone	\$ 3,209,306	\$ -	\$ -	\$ 3,209,306
17					
18					

Transmission Plant recovered in Ancillary Services

	<u>ATSI</u>	<u>AEP</u>	<u>Other Zone</u>	AMPT <u>Total</u>
19				
20				
21				
22				
23				
24				
25	Amount	\$ -	\$ -	\$ -
26				
27	Zonal Allocation	0%	0%	0%
28				
29	Allocated To Zone	\$ -	\$ -	\$ -
30				

Wages and Salaries Proxy - Gross Plant in Each Zone

31				
32				
33				
34	Line 12 (b, c, or d) divided by Line 12 (e)	100.0%	0.0%	0.0%

AMP Transmission LLC
True-Up and Adjustments Workpaper

AMPT True-up with Interest - based on Protocols

NITS Revenues received by PJM for the Year (Note 2)	-	Actual Revenue Requirement For Year (ATRR)	=	True-up Adjustment - (Over)/Under Recovery
\$ 1,784,038		\$ 2,829,843		\$ 1,045,806

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)	0.3183%				

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

		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
Monthly							
January	Year 2020	87,150	0.3183%	12	(3,329)		(90,480)
February	Year 2020	87,150	0.3183%	11	(3,052)		(90,202)
March	Year 2020	87,150	0.3183%	10	(2,774)		(89,925)
April	Year 2020	87,150	0.3183%	9	(2,497)		(89,647)
May	Year 2020	87,150	0.3183%	8	(2,219)		(89,370)
June	Year 2020	87,150	0.3183%	7	(1,942)		(89,092)
July	Year 2020	87,150	0.3183%	6	(1,665)		(88,815)
August	Year 2020	87,150	0.3183%	5	(1,387)		(88,538)
September	Year 2020	87,150	0.3183%	4	(1,110)		(88,260)
October	Year 2020	87,150	0.3183%	3	(832)		(87,983)
November	Year 2020	87,150	0.3183%	2	(555)		(87,705)
December	Year 2020	87,150	0.3183%	1	(277)		(87,428)
					(21,639)		(1,067,445)
Annual							
January through December	Year 2021	(1,067,445)	0.3183%	12	(40,776)		(1,108,222)

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

		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
Monthly							
January	Year 2022	1,108,222	0.3183%		(3,528)	94,274	(1,017,476)
February	Year 2022	1,017,476	0.3183%		(3,239)	94,274	(926,441)
March	Year 2022	926,441	0.3183%		(2,949)	94,274	(835,116)
April	Year 2022	835,116	0.3183%		(2,658)	94,274	(743,501)
May	Year 2022	743,501	0.3183%		(2,367)	94,274	(651,594)
June	Year 2022	651,594	0.3183%		(2,074)	94,274	(559,394)
July	Year 2022	559,394	0.3183%		(1,781)	94,274	(466,901)
August	Year 2022	466,901	0.3183%		(1,486)	94,274	(374,113)
September	Year 2022	374,113	0.3183%		(1,191)	94,274	(281,030)
October	Year 2022	281,030	0.3183%		(895)	94,274	(187,651)
November	Year 2022	187,651	0.3183%		(597)	94,274	(93,975)
December	Year 2022	93,975	0.3183%		(299)	94,274	(0)
					(23,065)		

True-Up with Interest	\$ 1,131,286
Less Over (Under) Recovery	\$ (1,045,806)
Total Interest	\$ 85,480

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 12/31/2020

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			Project #1	Project #2	Project #3	Project #4	Project #5	Project #6	Project #7	Project #8	Project #9	Project #10
From WP06	Total Debt Service Over Loan Term		-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service Schedule (Monthly)												
Year	Month											
2019	1/1/2019	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	2/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	3/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	4/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	5/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	6/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	7/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	8/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	9/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	10/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	11/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	12/1/2019	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	1/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	2/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	3/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	4/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	5/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	6/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	7/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	8/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	9/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	10/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	11/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	12/1/2020	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	1/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	2/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	3/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	4/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	5/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	6/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	7/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	8/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	9/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	10/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	11/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	12/1/2021	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	1/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	2/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	3/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	4/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	5/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	6/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	7/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	8/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	9/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	10/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	11/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	12/1/2022	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2023	1/1/2023	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ADD ROWS AND COLUMNS AS NEEDED OVER TIME

AMP Transmission LLC
Debt Service Workpaper - Monthly

Debt Service Payments - Year End 12/31/2020

Add Additional "Other" Columns and lines as needed

Other AMPT Capitalized Equipment			Project #1	Project #2	Project #3	Project #4	Project #5	Project #6	Project #7	Project #8	Project #9	Project #10
From WP06	Total Debt Service Over Loan Term		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service Schedule (Monthly)												
Year	Month											
2019	1/1/2019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	2/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	3/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	4/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	5/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	6/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	7/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	8/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	9/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	10/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	11/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	12/1/2019		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	1/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	2/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	3/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	4/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	5/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	6/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	7/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	8/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	9/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	10/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	11/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	12/1/2020		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	1/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	2/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	3/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	4/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	5/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	6/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	7/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	8/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	9/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	10/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	11/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	12/1/2021		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	1/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	2/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	3/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	4/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	5/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	6/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	7/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	8/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	9/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	10/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	11/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	12/1/2022		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2023	1/1/2023		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ADD ROWS AND COLUMNS AS NEEDED OVER TIME

AMP Transmission LLC

Zonal Investment Workpaper

Line No. (a)	<u>Components - Description</u> (b)	Amounts (c)
1	AMPT Working Capital Loan from AMP	\$ 4,029,917
2		
3	Prime Rate	various
4		
5	Interest on Working Capital Loan ¹	\$ 50,148
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) Reference	(2)	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total		\$ 3,209,306	
2	Net Transmission Plant - Total			
3				
4	O&M EXPENSE			
5	Total O&M Allocated to Transmission		\$ 1,334,551	
6	Annual Allocation Factor for O&M		41.58%	41.58%
7				
8	DEBT SERVICE		\$ 990,753	
9	Annual Allocation Factor for Debt Service		30.87%	30.87%
10				
11	MARGIN REQUIREMENT		\$ 396,301	
12	Annual Allocation Factor for Margin Requirement		12.35%	12.35%
13				
14	TAXES OTHER THAN INCOME TAXES			
15	Total Other Taxes		\$ 82,198	
16	Annual Allocation Factor for Other Taxes		2.56%	2.56%
17				
18	Annual Allocation Factor for Expense and Margin Requirement	Sum of line 6 through 16		87.36%
19				
20				
21	Add lines for projects as needed			

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

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Line No.	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)
29											
30	1a	b	\$ -	87.36%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
31	1b	b	\$ -	87.36%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
32	1c	b	\$ -	87.36%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
33											
34											
35											
36											
37											
38	2	Transmission Enhancement Credit for Attachment H-32A Page 1, Line 9									
39											

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 - 2020 Actual	321.112.b	\$ 393,193		From Informational AMPT Form 1 - ATRR True-up	
2				Est. for Zone		
3	<u>Total Transmission O&M Specific to ATSI zone</u>	<u>Total</u>	<u>Alloc</u>	<u>ATSI</u>	<u>AEP</u>	<u>Actual</u>
4	Total Transmission O&M Specific to ATSI zone - FERC Form 1 321.112.b	\$ 393,193	100%	\$ 393,193	\$ -	Transmission O&M - From Form 1
5	Remove Deferred Costs Amortized through O&M Accounts	\$ (1,425)	100%	\$ (1,425)	\$ -	See WP03 - account 500s 1-year amortization of start up in 2020 - and 3-yr amort
6	Remove AEP zonal specific cost in O&M during 2020	\$ (5,118)	100%	\$ (5,118)	\$ 5,118	Remove from ATSI zone and Defer to AEP zone
7				\$ -	\$ -	
8		\$ 386,650		\$ 386,650	\$ 5,118	sum of transmission O&M specific to ATSI zone
9	Total Transmission O&M Specific to AEP zone					
10	Total Transmission O&M Specific to AEP zone	\$ -		\$ -	\$ -	Add description
11	Total Transmission O&M Specific to AEP zone					Add description
12	Total Transmission O&M Specific to AEP zone			\$ -	\$ -	Add description
13	Total Transmission O&M Specific to AEP zone				\$ -	Add description
14	Total Transmission O&M Specific to AEP zone					Add description
15	List transmission specific to AEP zone here - add rows if necessary					Add description
16		\$ -		\$ -	\$ -	sum of transmission O&M specific to AEP zone
17	<u>Total Transmission O&M Specific to all zones</u>					
18	List transmission specific to all zones here - add rows if necessary		100%	\$ -	\$ -	Add description
19	List transmission specific to all zones here - add rows if necessary		100%	\$ -	\$ -	Add description
20	List transmission specific to all zones here - add rows if necessary		100%	\$ -	\$ -	Add description
21	List transmission specific to all zones here - add rows if necessary		100%	\$ -	\$ -	Add description
22	List transmission specific to all zones here - add rows if necessary		100%	\$ -	\$ -	Add description
23	List transmission specific to all zones here - add rows if necessary			\$ -	\$ -	Add description
24	List transmission specific to all zones here - add rows if necessary			\$ -	\$ -	Add description
25	<u>Total Transmission O&M Specific to all zones</u>	\$ 386,650		\$ 386,650	\$ 5,118	sum of transmission O&M specific to all zones
26						
27						
28						

	<u>Item</u> (b)	<u>Form 1 Reference</u> (c)	<u>Amount</u> (d)	<u>Deferred</u> (e)	<u>Description</u> (f)
35	A&G Expense - 2020 Actual	323.197.b	\$ 928,607		From Informational Form 1 for ATRR True-up, otherwise estimate for PTRR
36		Total			
37	Total A&G Specific to ATSI zone	350.d			
38	Admin & General Expense Form 1 page 323.197.b	\$ 928,607	\$ 928,607	\$ -	Total ATSI area A&G expense 2019 - includes \$120,657 related to AMPT formula
39					
40	Remove Deferred Costs Amortized through A&G Accounts	\$ (26,998)	\$ (26,998)	\$ -	See WP03 - Account 900s 1-year amortization of start-up in 2019 and 3-year amort
41	reversal of Credit of \$60,329 included in 2020 but was to defer to AEP zone	\$ 60,329	\$ 60,329	\$ 60,329	reversal of Credit of \$60,329 included in 2020 but was to defer to AEP zone
42	Capital project expense that should have been capitalized - ATSI	\$ (1,335)	\$ (1,335)		Capital project expense that should have been capitalized - ATSI
43	Capital project expense that should have been capitalized - AEP	\$ (6,303)	\$ (6,303)	\$ 6,303	Capital project expense that should have been capitalized - AEP
44	Remove invoices paid by AMPT in 2020 that should have been paid by AMP	\$ (31,996)	\$ (31,996)	\$ -	Remove invoices paid by AMPT in 2020 that should have been paid by AMP
45	List A&G specific to ATSI zone here - add rows if necessary	\$ -	\$ -	\$ -	Add description
46		\$ 922,305	\$ 922,305	\$ 66,632	sum of A&G specific to ATSI zone
47	Total A&G Specific to AEP zone	323.189.b			
48	List A&G specific to AEP zone here - add rows if necessary	\$ -	\$ -	\$ -	Add description
49	List A&G specific to AEP zone here - add rows if necessary	\$ -	\$ -	\$ -	Add description
50	List A&G specific to AEP zone here - add rows if necessary	\$ -	\$ -	\$ -	Add description
51	List A&G specific to AEP zone here - add rows if necessary	\$ -	\$ -	\$ -	Add description
52	List A&G specific to AEP zone here - add rows if necessary	\$ -	\$ -	\$ -	Add description
53		\$ -	\$ -	\$ -	sum of A&G specific to AEP zone
54	Total A&G Specific to all zones				
55	Accounting consulting for both AEP and ATSI zones in 2020	\$ (5,654)	100% \$ (5,654)	\$ -	Accounting consulting for both AEP and ATSI zones in 2020
56	Add back 50% of Accounting consulting to first two zones	\$ 2,827	\$ 2,827	\$ 2,827	Add back 50% of Accounting consulting to first two zones
57	List A&G specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
58	List A&G specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
59	List A&G specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
60	Total A&G Specific to all zones	\$ (2,827)	\$ (2,827)	\$ 2,827	sum of A&G specific to all zones
61					
62		263.i			
63	Other Taxes - 2020 Actual	\$ 82,198	\$ 82,198		From Informational Form 1 for ATRR True-up, otherwise estimate for PTRR
64		263.i.1			
65	Other Taxes specific to ATSI Zone				
66	Henry Co. Property Tax- Napoleon Assets	\$ 40,409	\$ 40,409	\$ -	Form 1 page 262 - Napoleon Assets property tax
67	Lorain Co. Prop Tax - Amherst Assets	\$ 22,362	\$ 22,362	\$ -	Form 1 page 262 - Amherst Assets property tax
68	Medina Co. Prop Tax - Wadsworth Assets	\$ 19,427	\$ 19,427	\$ -	Form 1 page 262 - Wadsworth Assets property tax
69	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
70	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
71	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
72		\$ 82,198	\$ 82,198	\$ -	sum of Other Taxes specific to ATSI zone
73	Other Taxes specific to 2nd Zone				
74	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
75	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
76	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
77	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
78	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
79			\$ -	\$ -	sum of Other Taxes specific to AEP zone
80	Other Taxes Specific to all zones				
81	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
82	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
83	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
84	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
85	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
86	Total Other Taxes Specific to all zones		\$ -	\$ -	sum of Other Taxes specific to all zones

AMP Transmission LLC

Development of Margin Requirement

Line No.	Item	12-Month Period=	2020
(a)	(b)		(c)
1	Debt Service Payments ¹		\$1,040,901
2			
3	Less:		
4	Interest on Working Capital Loans (WP06b)		\$ 50,148
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)		\$ 990,753
10	Margin Factor (fixed)		40%
11	Margin Requirement (line 9 x line 10) - To H-32A line		\$ 396,301
12			
13	Notes:		
14	1. Excludes any Debt Service related to Acquisition Adjustments if any per WP06		

American Municipal Power Transmission
 3 Year Deferred Start Up Costs
 As of 12/31/2020

Month Recorded	Description	Amount Deffered	50/50 Split		1/3 ATSI Amount	
			ATSI Amount	Second Zone	2020 Amortization	Amortization Account
December-17	Consulting	1,067.50	533.75	533.75	177.92	923
December-17	Labor	438.16	219.08	219.08	73.03	923
September-19	Labor	36,117.36	18,058.68	18,058.68	6,019.56	920
September-19	Labor	54,545.76	27,272.88	27,272.88	9,090.96	922
September-19	Labor	20,052.00	10,026.00	10,026.00	3,342.00	922
October-19	Consulting	8,550.02	4,275.01	4,275.01	1,425.00	566
October-19	Legal	46,963.00	23,481.50	23,481.50	7,827.17	923
October-19	PJM meeting	678.08	339.04	339.04	113.01	930
December-19	Legal	2,126.70	1,063.35	1,063.35	354.45	923
		<u>170,538.58</u>	<u>85,269.29</u>	<u>85,269.29</u>	<u>28,423.10</u>	

See WP03