

**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

**Projected**  
**ATSI-Area**

Line No.	Cost of Service Item	(Note A) Page, Line, Col.	Notes	Company Total	Allocator	Qualifying Transmission	(e) x (f) Allocated Amount
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(g)
1	GROSS REVENUE REQUIREMENT (line 54)						\$ 1,794,413
2							
3							
4	REVENUE CREDITS	(Note C)		Total	Allocator		
5	Account No. 454	WP02		\$ -	TP 0.76395		\$ -
6	Account No. 456	WP02		\$ -	TP 0.76395		\$ -
7	Revenue Credits Specific to zone	WP02		\$ 9,700	D/A 1.00000		\$ 9,700
8	Reserved			\$ -	TP 0.76395		\$ -
9	Transmission Enhancement Credit	WP07		\$ -	TP 0.76395		\$ -
10	TOTAL REVENUE CREDITS (sum lines 5-9)						\$ 9,700
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	<b>NET REVENUE REQUIREMENTS</b>						<b>\$ 1,784,713</b>
17a	DIVISOR						
17b	1 Coincident Peak (CP) (MW) - ATSI						12,572.0 MW
17c	<b>Annual Network Rate (\$/MW/Yr) (Line 17 / Line 17b)</b>						<b>\$ 141.96 /MW/Yr</b>
18							
19	<b>O&amp;M/A&amp;G, DEBT SERVICE &amp; OTHER TAXES</b>						
20							
21	Transmission O&M allocable to zone	321.112.b and WP09	WP09	\$ 359,208	TP 76.395%		\$ 274,417
22	Transmission O&M Specific to zone (Note M)	ATSI	WP09	\$ 608,555	D/A 100.000%		\$ 608,555
23	Less Account 565	321.96.b	Form 1	\$ -	TP 76.395%		\$ -
24	Less: Account 561.2 Load Dispatch - Monitor and Operate Trans	321.86.b	Form 1	\$ -	TP 76.395%		\$ -
25	A&G allocable to zone (Note M)	323.197.b and WP09	WP09	\$ 913,032	W&S 76.395%		\$ 697,511
26	A&G Specific to zone (Note M)		WP09	\$ -	D/A 100.000%		\$ -
27	Other Amortizations - ATSI (Note N)		WP03	\$ -	D/A 100.000%		\$ -
28	Other Amortizations - AEP (Note N)		WP03	\$ -			\$ -
29	Other Amortizations - All zones		WP03	\$ -	D/A		\$ -
30	Amortization of Start-Up Costs to zone (Note N)		WP03	\$ 42,708	D/A 100.000%		\$ 42,708
31	TOTAL O&M (sum lines 21, 23, 25-28, less lines 23 and 24)			\$ 1,923,503			\$ 925,680
32							
33	DEBT SERVICE						
34	Debt Service (Note L)		WP06	\$ 793,505	TP 76.395%		\$ 606,199
35	Amortization of premium or discount (Note E)			\$ -	TP 76.395%		\$ -
36	TOTAL DEBT SERVICE (Sum lines 34 and 35)			\$ 793,505			\$ 606,199
37	Interest for Working Capital needs		WP06b	\$ 26,250	TP 76.395%		\$ 20,054
38							
39	TAXES OTHER THAN INCOME TAXES (Note F)						
40	LABOR RELATED						
41	Payroll	263.i	Form 1	\$ -	W&S 76.395%		\$ -
42	Highway and vehicle	263.i	Form 1	\$ -	W&S 76.395%		\$ -
43	PLANT RELATED	263.i					
44	Property specific to zone (Note M)	ATSI	WP09	\$ -	D/A 100.000%		\$ -
45	Property allocable to zone (Note M)	263.i and WP09	WP09	\$ -	TP 76.395%		\$ -
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)			\$ 2,743,258			\$ 1,551,933
51		<u>Margin factor</u>					
52	MARGIN REQUIREMENT (Note I) (WP10)	40% of Debt Service	40.0%	\$ 317,402	D/A 76.395%		\$ 242,480
53							
54	REV. REQUIREMENT (sum lines 50 and 52)			\$ 3,060,661			\$ 1,794,413
55							
56	GROSS PLANT IN SERVICE						
57	Production			\$ -	NA		\$ -
58	Transmission (Note B)	207.58.g	WP01/04	\$ 4,182,556	D/A 100.000%		\$ 4,182,556
59	Distribution			\$ -	N/A		\$ -
60	General & Intangible	205.5.g & 207.99.g	WP01	\$ -	W&S 76.395%		\$ -
61	Reserved			\$ -	TP 76.395%		\$ -
62	Other			\$ -	TP 76.395%		\$ -
63	TOTAL GROSS PLANT (sum lines 57 - 62)			\$ 4,182,556			\$ 4,182,556
64							
65	TRANSMISSION PLANT % INCLUDED IN PJM COST OF SERVICE						
66							
67	Total transmission plant		WP04				\$ 5,474,903
68	Less Non-Qualifying Transmission Plant		WP04				\$ 1,292,347
69	Less transmission plant included in OATT Ancillary Services		WP04				\$ -
70	Total Qualifying Transmission Plant in Service (line 67 - 68 - 69)						\$ 4,182,556
71							
72	Percentage of PJM Qualifying transmission plant included in Cost of Service (line 70 / line 67)				TP=		76.40%

**AMP Transmission LLC**  
**Calculation of Transmission Revenue Requirements**  
**ATSI Transmission Zone**

Attachment H-32A

Cash-Flow Model

**Year Ended 12/31/2019**

Projected or Actual

Line No.	Cost of Service Item	(Note A) Page, Line, Col.	Notes	Company Total	Allocator	Projected ATSI-Area Qualifying Transmission
73	TRANSMISSION EXPENSES					
74						
75						
76	Total transmission expenses (line 21+22 Column e)					967,763
77	Less transmission expenses included in OATT Ancillary Services (Note J)					<u>0</u>
78	Included transmission expenses (line 76 less line 77)					967,763
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	0.76395
82	Percentage of transmission expenses included in ISO Rates (line 80 times line 81)				TE=	0.76395
83						
84						
85	WAGES & SALARY ALLOCATOR (W&S) (Note K)					
86	Production			\$ -	TP 0.00%	\$ -
87	Transmission (WP04)			\$ 1	76.40%	\$ 1
88	Distribution			\$ -	0.00%	\$ -
89	Other			\$ -	0.00%	\$ -
90	Total (sum lines 86-89)			\$ 1		\$ 1 =
91						76.3951% = WS
92						
93						
94						
95						
96						
97						
98						
99	General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)					
100	References to data from Informational FERC Form 1 are indicated as: #.y.x (page, line, column)					
101						
102	<u>Notes</u>					
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	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					
107	Over Recoveries are entered as negative to reduce the net revenue. Under recoveries are entered as Positive to increase the net revenue.					
108	E Includes amounts recorded to accounts 428 and 429.					
109	F Includes only FICA, unemployment, highway, property, gross receipts, PILOT, and other assessments charged in the current year. Taxes related to income are excluded.					
110	G Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.					
111	H Adjustments required pursuant to Section 6 of the AMPT Protocols. Refunds shall be entered as a negative number to reduce the net revenue requirement.					
112	I Surcharges shall be entered as a positive number to increase the net revenue requirement.					
113	J 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.					
114	K 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					
115	L 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.					
116	M AMPT will have no wages and salaries. However, all A&G expense incurred by AMPT will be 100% related to AMPT Transmission					
117	N PTRR debt service projections for zone are shown on WP06. Actual ATRR debt service (for True-up template) will be from AMPT accounting records					
118	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.					
119	M If ASTI zone, entry is WP09, line Col (d) for O&M and A&G					
120	M If AEP zone, entry is WP09, line Col (d) for O&M and A&G					
121	N Includes amortization of pre-commercial Start-Up costs booked in account 182.3, approved by the Commission and amortized through Account 566.					
122						
123						
124						
125						
126						
127						

Rate Formula Template  
 Utilizing Informational FERC Form 1 Data

## AMP Transmission LLC

### Gross Plant in Service - 13 Month Average Balances

Attachment H-32A - WP01 - Plant

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		2,355,402		-	-	2,355,402
2	January	2020		-		-	-	-
3	February	2020		2,355,402		-	-	2,355,402
4	March	2020		3,367,662		-	-	3,367,662
5	April	2020		3,367,662		-	-	3,367,662
6	May	2020		4,222,126		-	-	4,222,126
7	June	2020		5,924,126		-	-	5,924,126
8	July	2020		5,924,126		-	-	5,924,126
9	August	2020		5,924,126		-	-	5,924,126
10	September	2020		8,446,626		-	-	8,446,626
11	October	2020		9,029,626		-	-	9,029,626
12	November	2020		9,029,626		-	-	9,029,626
13	December	2020		9,029,626		-	-	9,029,626
14								
15	13-month Average		-	5,305,857	-	-	-	5,305,857

Asset Retirement Cost for Transmission Plant			Transmission
		[A]	207.57.g
22	December	2018	-
23	January	2019	-
24	February	2019	-
25	March	2019	-
26	April	2019	-
27	May	2019	-
28	June	2019	-
29	July	2019	-
30	August	2019	-
31	September	2019	-
32	October	2019	-
33	November	2019	-
34	December	2019	-
35			
36	13-month Average		-

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)
<b><u>ADD LINES AS NEEDED FOR ADDITIONAL REVENUE CREDITS</u></b>			
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	\$ 9,700	PTP/Through and Out Revenues in ATSI
13			Annulization of 2019 revenues received t
14			
15			

# AMP Transmission LLC

## Formation Cost (Start-up) Workpaper

Add Columns and lines as needed

**AMP Transmission LLC**  
**2018 Start-Up Costs**

	<b>3-year Amorts</b> Deferred from and Incurred in <u>2018</u>
Up Front Costs	
Legal :	
Legal :	\$ 42,692
Legal :	\$ 64,323
Legal :	\$ 5,003
Legal :	\$ 37,000
Total Legal	\$ 149,018
consultant	\$ 27,583
Travel, Meals	\$ 678
AMP Labor/Overhead	\$ 68,921
consultant	\$ 8,550
PJM Application fee	\$ 1,500
<b>Total Up-Front Costs</b>	<b>\$ 256,250</b>

Number of anticipated Transmission Zones	2	ATSI and AEP East
Amortization period	3	years beginning 1/1/2019
Yearly Amortization	\$ 42,708	ATSI Zone
Deferred to AEP Zone (or Next Zone)	\$ 128,125	AEP zone for future request at FERC

**Other Amortizations of deferred start-up - ATSI Zone Specific**

	<u>Total</u>	<u>term</u>	<u>Yearly</u> <u>Amortization</u>	
legal		1	\$ -	no ATSI specific Zonal Start-Up C
consulting		1	\$ -	
		1	\$ -	
consulting		1	\$ -	Add lines as needed
PJM		1	\$ -	
consulting		1	\$ -	
O&M Napoleon rest of 2018 estimate		1	\$ -	
Travel/Meals/Insurance		1	\$ -	
AMP Labor/Overhead		1	\$ -	
fourth quarter 2018 interest on Napoleon Loan		1	\$ -	
legal		1	\$ -	
legal		1	\$ -	
legal		1	\$ -	
<b>Total 1-year Amort to ATSI zone</b>	<b>\$ -</b>		<b>\$ -</b>	

**Other Amortizations - AEP**

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

Add lines as needed

AMP Labor - Start-up amortized over 3 or 1 years.

LABOR FOR SEPT\_DEC

AMP Labor Hours	% Time	Hours	Expenses
1		10%	52
2		10%	52
3		50%	260
4		35%	182
5		90%	468
6		10%	52
7		10%	52
8		10%	52
9		5%	26
10		20%	104
11		20%	104
12		5%	26
13		5%	26
14		20%	104
15		20%	104
16		5%	26
LABOR HOURS		1690	Blended Rate \$ 75.00
LABOR EXPENSES	41%		\$ 126,750
Labor Overhead			\$ 51,968
			\$ 178,718 Budget for Oct - Dec 2018

\$ 155,071 Actuals thru September  
 \$ 178,718 Budget October - December based on AMP % allocation  
 \$ 333,789 Total

But, 3 vs 1 year split is thru August!  
 So, \$155,071/9\*8 = actual thru August \$ 137,841  
 Half goes to 3 year, half to 1 \$ 68,921  
 Remainder goes to ATSI; \$333,789-\$137,841 \$ 195,948

# 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>
Gross Plant - ATSI area		\$ 4,182,556		\$ -	\$ 5,487,041
<u>Non-Qualifying in ATSI zone</u>					
AEP area			\$ 1,292,347		
Other Non-Qualifying Facilities		\$ -	\$ -	\$ -	\$ -
Total Qualifying		\$ 4,182,556	\$ 1,292,347	\$ -	\$ 5,474,903
Zonal Allocation		100.00%	100.00%	0.00%	
Allocated To Zone		\$ 4,182,556	\$ 1,292,347	\$ -	\$ 5,474,903

**Transmission Plant recovered in Ancillary Services**

	<u>ATSI</u>	<u>AEP</u>	<u>Other Zone</u>	AMPT <u>Total</u>
Amount	\$ -	\$ -	\$ -	\$ -
Zonal Allocation	0%	0%	0%	
Allocated To Zone	\$ -	\$ -	\$ -	\$ -

**Wages and Salaries Proxy - Gross Plant in Each Zone**

Line 12(a, b, or c) divided by Line 12 (e)	76.4%	23.6%	0.0%
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**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
\$ -	\$ -	\$ -

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)	0.3542%				

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	-	0.3542%	12	-	-
February	Year 2019	-	0.3542%	11	-	-
March	Year 2019	-	0.3542%	10	-	-
April	Year 2019	-	0.3542%	9	-	-
May	Year 2019	-	0.3542%	8	-	-
June	Year 2019	-	0.3542%	7	-	-
July	Year 2019	-	0.3542%	6	-	-
August	Year 2019	-	0.3542%	5	-	-
September	Year 2019	-	0.3542%	4	-	-
October	Year 2019	-	0.3542%	3	-	-
November	Year 2019	-	0.3542%	2	-	-
December	Year 2019	-	0.3542%	1	-	-
					-	-
					<b>Annual</b>	
January through December	Year 2020	-	0.3542%	12	-	-

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

					Monthly	
January	Year 2021	-	0.3542%		-	-
February	Year 2021	-	0.3542%		-	-
March	Year 2021	-	0.3542%		-	-
April	Year 2021	-	0.3542%		-	-
May	Year 2021	-	0.3542%		-	-
June	Year 2021	-	0.3542%		-	-
July	Year 2021	-	0.3542%		-	-
August	Year 2021	-	0.3542%		-	-
September	Year 2021	-	0.3542%		-	-
October	Year 2021	-	0.3542%		-	-
November	Year 2021	-	0.3542%		-	-
December	Year 2021	-	0.3542%		-	-
					-	-

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

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			Total Projects	Project #1	Project #2	Project #3	Project #4	Project #5	Project #6	Project #7	Project #8	Project #9	
From WP06	<b>Total Debt Service Over Loan Term</b>			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		448558											
		51446											
	<b>Debt Service Schedule (Monthly)</b>												
<b>Year</b>	<b>Month</b>												
2019	1/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	2/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	3/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	4/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	5/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	6/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	7/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	8/1/2019	\$13,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	9/1/2019	\$20,021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	10/1/2019	\$20,021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	11/1/2019	\$20,021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2019	12/1/2019	\$20,021	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	1/1/2020	\$27,589	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	2/1/2020	\$27,589	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	3/1/2020	\$39,492	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	4/1/2020	\$39,492	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	5/1/2020	\$48,826	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	6/1/2020	\$69,109	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	7/1/2020	\$69,109	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	8/1/2020	\$69,109	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	9/1/2020	\$96,664	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	10/1/2020	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	11/1/2020	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	12/1/2020	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	1/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	2/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	3/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	4/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	5/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	6/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	7/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	8/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	9/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	10/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	11/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	12/1/2021	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	1/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	2/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	3/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	4/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	5/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	6/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	7/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	8/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	9/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	10/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	11/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2022	12/1/2022	\$103,032	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2023	1/1/2023	\$103,032	\$0	\$0	\$0	\$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 12/31/2019

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	
From WP06	Total Debt Service Over Loan Term		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Debt Service Schedule (Monthly)</b>												
	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	\$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

# AMP Transmission LLC

## Zonal Investment Workpaper

Line			
No.	<u>Components - Description</u>	(b)	Amounts
(a)			(c)
1	AMPT Working Capital Loan from AMP		\$ 500,000
2			
3	Prime Rate		5.25%
4			
5	Interest on Working Capital Loan <sup>1</sup>		\$ 26,250
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) <u>Reference</u>	(2)	(3) <u>Transmission</u>	(4) <u>Allocator</u>
1	Gross Transmission Plant - Total		\$ 4,182,556	
2	Net Transmission Plant - Total			
3				
4	O&M EXPENSE			
5	Total O&M Allocated to Transmission		\$ 925,680	
6	Annual Allocation Factor for O&M		22.13%	22.13%
7				
8	DEBT SERVICE		\$ 606,199	
9	Annual Allocation Factor for Debt Service		14.49%	14.49%
10				
11	MARGIN REQUIREMENT		\$ 242,480	
12	Annual Allocation Factor for Margin Requirement		5.80%	5.80%
13				
14	TAXES OTHER THAN INCOME TAXES			
15	Total Other Taxes		\$ -	
16	Annual Allocation Factor for Other Taxes		0.00%	0.00%
17				
18	<b>Annual Allocation Factor for Expense and Margin Requirement</b>	<b>Sum of line 6 through 16</b>		<b>42.42%</b>
19				
20	<b>Add lines for projects as needed</b>			
21				
22				
23				
24				
25				
26				

**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
27				(line 18)	(Col. 3 * Col. 4)	N/A		(Col. 6 * Col. 7)		(WP08-True-up Col. i)	(Sum Col. 5, 8, 9 & 10)
28											
29											
30	1a	b	\$ -	42.42%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
31	1b	b	\$ -	42.42%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
32	1c	b	\$ -	42.42%	\$ -	N/A	0.00%	\$ -	\$ -	-	\$ -
33											
34											
35											
36											
37											
38	2										-
39											

Notes

- 41 A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-21A.
- 42 B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-21A.
- 43 C
- 44 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.
- 45 E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- 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	<b>Total Transmission O&amp;M - 2020 Projections</b>	321.112.b			From Informational AMPT Form 1 - ATRR True-up	
2				Est. for Zone		
3	Total Transmission O&M Specific to ATSI zone	<b>Total</b>	<b>Alloc</b>	<b>ATSI</b>	<b>AEP</b>	<b>Projections</b>
4	legal - ATSI zone	\$ 30,000	100%	\$ 30,000	\$ -	Legal Specific to ATSI Zone
5	O&M Projects	\$ 545,372	100%	\$ 545,372	\$ -	O&M on facilities in ATSI zone in 2020
6	Insurance	\$ 33,183	100%	\$ 33,183	\$ -	Insurance on certain ATSI-area transmission assets
7	List transmission specific to ATSI zone here - add rows if necessary			\$ -	\$ -	
8		\$ 608,555		\$ 608,555	\$ -	sum of transmission O&M specific to ATSI zone
9	Total Transmission O&M Specific to AEP zone					
10		\$ -		\$ -	\$ -	Add description
11						Add description
12	Legal - AEP Zone	\$ 40,000		\$ -	\$ 40,000	Legal Specific to AEP Zone
13	Insurance	\$ 8,371			\$ 8,371	Insurance on certain AEP-area transmission assets
14						
15	List transmission specific to AEP zone here - add rows if necessary					
16		\$ 48,371		\$ -	\$ 48,371	sum of transmission O&M specific to AEP zone
17	Total Transmission O&M Specific to all zones					
18	Legal - all zones	\$ 10,000	76%	\$ 7,640	\$ 2,360	Legal - all zones
19	consultant - Professional Services	\$ 273,808	76%	\$ 209,176	\$ 64,632	Consultants that provide FERC assistance, transmission modeling, and transmission serv
20	Banking Services	\$ 5,400	76%	\$ 4,125	\$ 1,275	Banking Services - AMPT
21	Information Technology	\$ 50,000	76%	\$ 38,198	\$ 11,802	IT related to AMPT software, Accounting software, etc.
22	Meals/Travel	\$ 20,000	76%	\$ 15,279	\$ 4,721	Travel to PJM/Member systems to review transmission assets
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		\$ 359,208		\$ 274,417	\$ 84,791	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)
29					
30					
31					
32					
33					
34					
35	<b>A&amp;G Expense</b>	323.197.b	\$ -		From Informational Form 1 for ATRR True-up, otherwise estimate for PTRR
36					
37	Total A&G Specific to ATSI zone				
38	List A&G specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
39	List A&G specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
40	List A&G specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
41	List A&G specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
42	List A&G specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
43	List A&G specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
44			\$ -	\$ -	sum of A&G specific to ATSI zone
45	Total A&G Specific to AEP zone				
46	List A&G specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
47	List A&G specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
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			\$ -	\$ -	sum of A&G specific to AEP zone
52	Total A&G Specific to all zones				
53	AMP Labor and Overheads Allocable to the ASTI Zone	\$ 913,032	76%	\$ 697,511	\$ 215,521 AMP staff labor and overhead
54	List A&G specific to all zones here - add rows if necessary			\$ -	\$ - Add description
55	List A&G specific to all zones here - add rows if necessary			\$ -	\$ - Add description
56	List A&G specific to all zones here - add rows if necessary			\$ -	\$ - Add description
57	List A&G specific to all zones here - add rows if necessary			\$ -	\$ - Add description
58	Total A&G Specific to all zones	\$ 913,032		\$ 697,511	\$ 215,521 sum of A&G specific to all zones
59					
60					
61	<b>Other Taxes</b>	263.i	\$ -		From Informational Form 1 for ATRR True-up, otherwise estimate for PTRR
62					
63	Other Taxes specific to ATSI Zone				
64	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
65	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
66	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
67	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
68	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
69	Other Tax specific to ATSI zone here - add rows if necessary		\$ -	\$ -	Add description
70			\$ -	\$ -	sum of Other Taxes specific to ATSI zone
71	Other Taxes specific to AEP Zone				
72	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
73	Other Tax specific to AEP zone here - add rows if necessary		\$ -	\$ -	Add description
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			\$ -	\$ -	sum of Other Taxes specific to AEP zone
78	Other Taxes Specific to all zones				
79	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
80	Other Tax specific to all zones here - add rows if necessary		\$ -	\$ -	Add description
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	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 <sup>1</sup>		\$819,755
2			
3	Less:		
4	Interest on Working Capital Loans (WP06b)		\$ 26,250
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)		\$ 793,505
10	Margin Factor (fixed)		40%
11	Margin Requirement (line 9 x line 10) - To H-32A line		\$ 317,402
12			
13	Notes:		
14	1. Excludes any Debt Service related to Acquisition Adjustments if any per WP06		