	Formula Rate calculation		Rate Formula Template Utilizing Attachment O - ATCLLC Data American Transmission Company LLC		Attachment GG - ATCLLC For the 12 months ended 12/31/2019 Page 1 of 2
	(1)	(2) Attachment O - ATCLLC	(3)	(4)	
Line No.		Page, Line, Col.	Transmission	Allocat	pr
	Gross Transmission Plant - Total	Attach O - ATCLLC, p 2, line 2 col 5 (f	Note A) 6,224,736,658		
2	Net Transmission Plant - Total	Attach O - ATCLLC, p 2, line 2 col 5 (r Attach O - ATCLLC, p 2, line 14 col 5 (
-		· · · · · · · · · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
3	O&M EXPENSE Total O&M Allocated to Transmission	Attach O - ATCLLC, p 3, line 8 co	139,159,518		
3a	Less: Preliminary Survey and Investigation Adjustment (Note I)	Included in Attach O - ATCLLC, p 3, line 8 co			
3b	Adjusted O&M Allocated to Transmission	(line 3 minus line 3a col 3)	137,242,123		
4	Annual Allocation Factor for O&M	(line 3b divided by line 1 col 3)	2.20%		2.20%
	GENERAL AND COMMON (G&C) DEPRECIATION EXPENSE				
5	Total G&C Depreciation Expense	Attach O - ATCLLC, p 3, lines 10 & 11, col	5 (Note H) 16.663.732		
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.27%		0.27%
	TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Attach O - ATCLLC, p 3, line 20 co	30,364,558		
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.49%		0.49%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, and 8			2.96%
	INCOME TAXES				
10	Total Income Taxes	Attach O - ATCLLC, p 3, line 27 co			
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	1.34%		1.34%
	RETURN				
12	Return on Rate Base	Attach O - ATCLLC, p 3, line 28 cd			
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.50%		6.50%
14	Annual Allocation Factor for Return	Sum of line 11 and 13			7.83%

Rate Formula Template Utilizing Attachment O - ATCLLC Data

Attachment GG - ATCLLC For the 12 months ended 12/31/2019

Page 2 of 2

American Transmission Company LLC

Network Upgrade Charge Calculation By Project

) (2) MTEP Proje Number 345 s 352 356 e 1621		(3) roject Gross Plant (Note C) 141,574,630 8,751,972	(4) Annual Allocation Factor for Expense (Page 1 line 9) 2.96%	(5) Annual Expense Charge (Col. 3 * Col. 4)	(6) Project Net Plant (Note D)	Return	(8) Annual Return Charge	(9) Project Depreciation Expense	(9a) Preliminary Survey and Investigation Expense	(10) Annual Revenue Requirement	(11) True-Up Adjustment	(12) Network Upgrade Charge
Number 345 1453 s 352 356	Pi \$	(Note C) 141,574,630	Allocation Factor for Expense (Page 1 line 9)	Charge	Plant	Allocation Factor for Return		Depreciation	Survey and Investigation			Upgrade Charge
345 1453 s 352 356	\$	(Note C) 141,574,630	(Page 1 line 9)				Charge	Expense	Expense	Requirement	Adjustment	
1453 s 352 356		141,574,630		(Col. 3 * Col. 4)	(Note D)							
1453 s 352 356			2 96%		(1010 B)	(Page 1 line 14)	(Col. 6 * Col. 7)	(Note E)	(Note J)	(Sum Col. 5, 8, 9 & 9a)	(Note F)	(Sum Col. 10 & 11) (Note G)
s 352 356	\$		2.96%		\$ 109,704,828 \$ 6,048,186	7.83% 7.83%	\$ 8,595,026 \$ 473,856	\$ 3,525,800 \$ 253,987		\$ 16,311,850 \$ 986,927	\$ (267,203) \$ (2,821)	\$ 16,044,647 \$ 984,106
356	Ψ	88,215,724	2.96%				\$ 5,116,629					\$ 9,840,347
	\$	141,117,812	2.96%		\$ 119,322,313		\$ 9,348,526			\$ 16,800,043		
	¢	141,117,012	2.96%		¢ 113,022,010	7.83%	\$ 5,040,520		φ \$-	\$ 10,000,040	\$ (177,000)	\$ 10,020,000
ne 1712	ŝ	-	2.96%	φ \$-	\$ -	7.83%	\$-		φ \$-	φ \$-	\$-	φ \$-
1616	\$	1,345,005	2.96%	\$ 39,816	\$ 985.822	7.83%	\$ 77.236	\$ 37,377	\$ -	\$ 154,429	\$ (462)	\$ 153,967
rk 2452/316	0 \$	2,141,427	2.96%			7.83%	\$ 134,479			\$ 259,148		\$ 260.251
2837	\$	550,772	2.96%			7.83%				\$ 72,030		\$ 72,006
2793	\$	8,871	2.96%	\$ 263	\$ 366,717	7.83%	\$ 28,731	\$ 440	\$ -	\$ 29,434	\$ (8,812)	\$ 20,621
1950	\$	14,980,665	2.96%	\$ 443,472	\$ 11,764,536	7.83%	\$ 921,714	\$ 464,212	\$ -	\$ 1,829,398	\$ 5,195	\$ 1,834,593
3206	\$	25,444,866	2.96%		\$ 24,503,828	7.83%				\$ 3,381,680		\$ 3,266,429
2846	\$	121,363,247	2.96%		\$ 101,574,687		\$ 7,958,056	\$ 4,435,551	\$ -	\$ 15,986,314		\$ 16,820,519
V lines 1270	\$	-	2.96%		\$ -	7.83%	\$ -	\$ -	\$ -	\$-	\$ 65	\$ 65
3125	\$	26,877,741	2.96%	\$ 795,660	\$ 23,672,696	7.83%	\$ 1,854,681	\$ 826,930		\$ 3,477,271		\$ 3,581,751
	\$										\$ (2,986,294)	\$ 27,476,607
alcon Substation & Network 12284	\$	3,937,287 5,963,586				7.83% 7.83%				\$ 542,746 \$ 716,980	\$ - \$ 31,021	\$ 542,746 \$ 748,000
radoc 12794	¢	2 946 425	2 06%	¢ 97.000	¢ 2.046.425	7 020/	\$ 220.942	¢	¢	¢ 210.066	¢	\$ 318.066
	9 6										φ ¢	\$ 427.869
ple Cycle CT Uprate, GIP J-384, 12283	\$				\$ - \$					\$ -	\$ -	\$ -
Sub alcor rade rade	s 13784 s 13769	station 13103 \$ Substation & Network 12284 \$ s 13784 \$ s 13769 \$	station 13103 \$ 3,937,287 I Substation & Network 12284 \$ 5,963,586 s 13784 \$ 2,946,425 s 13769 \$ 3,963,595	station 13103 \$ 3,937,287 2,96% I Substation & Network 12284 \$ 5,963,586 2,96% s 13784 \$ 2,946,425 2,96% s 13769 \$ 3,963,595 2,96%	station 13103 \$ 3,937,287 2.96% \$ 116,555 I Substation & Network 12284 \$ 5,963,586 2.96% \$ 176,540 s 13784 \$ 2,946,425 2.96% \$ 87,223 s 13769 \$ 3,963,595 2.96% \$ 177,334	station 13103 \$ 3,937,287 I Substation & Network 12284 \$ 5,963,586 s 13784 \$ 2,946,425 s 13789 \$ 3,963,595 2.96% \$ 176,540 \$ 5,841,728	station 13103 \$ 3,937,287 2.96% \$ 116,555 \$ 3,923,580 7.83% I Substation & Network 12284 \$ 5,963,586 2.96% \$ 16,550 \$ 5,841,728 7.83% s 13784 \$ 2,946,425 2.96% \$ 87,223 \$ 2,946,425 7.83% s 13769 \$ 3,963,595 2.96% \$ 117,334 \$ 3,963,595 7.83%	station 13103 \$ 3,937,287 I Substation & Network 12284 \$ 5,963,586 S 13784 \$ 2,946,425 S 13789 \$ 3,963,585 2.96% \$ 87,223 \$ 2,946,425 7.83% \$ 230,843 S 13769 \$ 3,963,595 2.96% \$ 117,334 \$ 3,963,595 7.83% \$ 230,843	station 13103 \$ 3.937,287 2.96% \$ 116,555 \$ 3.923,580 7.83% \$ 307,400 \$ 118,791 Substation & Network 12284 \$ 5,963,586 2.96% \$ 176,540 \$ 5,841,728 7.83% \$ 457,681 \$ 82,759 s 13784 \$ 2.946,425 2.96% \$ 176,540 \$ 2.946,425 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,334 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 2.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 7.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 7.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 7.96% \$ 117,344 \$ 3.963,595 7.83% \$ 230,843 \$ - s 13769 \$ 3.963,595 7.96% \$ 117,344 \$ 3.963,595 7.83% \$ - s 13769 \$ 3.963,595 7.96% \$ 3.963,595 7.96% \$ 117,344 \$ - s 14,544 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	station 13103 \$ 3,937,287 1 Substation & Network 12284 \$ 5,963,586 2.96% \$ 116,555 \$ 3,923,580 7.83% \$ 307,400 \$ 118,791 \$ - s 13784 \$ 2,946,425 2.96% \$ 176,540 \$ 5,841,728 7.83% \$ 457,681 \$ 82,759 \$ - s 13769 \$ 3,963,595 2.96% \$ 177,334 \$ 3,963,595 7.83% \$ 20,843 \$ - \$ -	station 13103 \$ 3.937,287 2.96% \$ 116,555 \$ 3.923,580 7.83% \$ 307,400 \$ 118,791 \$ - \$ 542,746 I Substation & Network 12284 \$ 5,963,586 2.96% \$ 16,540 \$ 5,841,728 7.83% \$ 457,681 \$ 82,759 \$ - \$ 716,980 s 13784 \$ 2,946,425 2.96% \$ 87,223 \$ 2,946,425 7.83% \$ 230,843 \$ - \$ \$ \$ 380,696 13769 \$ 3,963,595 2.96% \$ 117,334 \$ 3,965,595 7.83% \$ 310,535 \$ - \$ \$ \$ 427,869	station 13103 \$ 3,937,287 1 Substation & Network 12284 \$ 5,963,586 2.96% \$ 116,555 \$ 3,923,580 7.83% \$ 307,400 \$ 118,791 \$ - \$ 542,746 \$ - \$ 13784 \$ 2,946,425 2.96% \$ 176,540 \$ 5,841,728 7.83% \$ 457,681 \$ 82,759 \$ - \$ 716,980 \$ 31,021 \$ 13784 \$ 2,946,425 2.96% \$ 87,223 \$ 2,946,425 7.83% \$ 230,843 \$ - \$ \$ \$ 318,066 \$ - \$ 13769 \$ 3,963,595 2.96% \$ 117,334 \$ 3,963,595 7.83% \$ 210,535 \$ - \$ \$ 427,869 \$ -

3 Rev. Req. Adj For Attachment O - ATCLLC \$101,699,813

Note Letter

- Gross Transmission Plant is that identified on page 2 line 2 of Attachment O ATCLLC and includes any sub lines 2 or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable. Net Transmission Plant is that identified on page 2 line 14 of Attachment O ATCLLC and includes any sub lines 14 or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable. Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base less any prefunded AFUDC, if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- 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 O ATCLLC page 3 line 12. D E

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- True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable. The Network Upgrade Charge is the value to be used in schedules associated with Attachment G ATCLLC. The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9. Preliminary Survey and Investigation expense (pre-certification costs) equals the actual value booked, or projected to be booked for forward-looking rate periods, for all of the MISO approved projects and included in Attachment 0 ATCLLC, Page 3, Line 1, Column 5. Preliminary Survey and Investigation expense (pre-certification costs) equals the actual value booked, or projected to be booked for forward-looking rate periods, for each of the MISO approved RECB Projects and included in Attachment 0 ATCLLC, Page 3, Line 1, Column 5.

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