Formula Rate calculation

Rate Formula Template Utilizing Attachment O - ATCLLC Data

American Transmission Company LLC

To be completed in conjunction with Attachment O - ATCLLC.

	(1)	(2) Attachment O - ATCLLC	(3)
Line No.		Page, Line, Col.	Transmission
140.			
1 2	Gross Transmission Plant - Total Net Transmission Plant - Total	Attach O - ATCLLC, p 2, line 2 col 5 (Note A) Attach O - ATCLLC, p 2, line 14 col 5 (Note B)	6,224,736,658 4,618,903,554
2	Net Hanshission Flant - Total	Attach O - ATOLLO, p 2, line 14 cor 5 (Note B)	4,616,903,334
	O&M EXPENSE		
3 3a	Total O&M Allocated to Transmission Less: Preliminary Survey and Investigation Adjustment (Note I)	Attach O - ATCLLC, p 3, line 8 col 5 Included in Attach O - ATCLLC, P 3, line 1 col 5	139,159,518
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%
	OFNEDAL AND COMMON (ORG) DEDDECTATION EXPENSE		
5	GENERAL AND COMMON (G&C) DEPRECIATION EXPENSE 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%
7	TAXES OTHER THAN INCOME TAXES Total Other Taxes	Attach O - ATCLLC, p 3, line 20 col 5	30.364.558
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.49%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, and 8	
	INCOME TAXES		
10	Total Income Taxes	Attach O - ATCLLC, p 3, line 27 col 5	61,843,009
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	1.34%
	RETURN		
12	Return on Rate Base	Attach O - ATCLLC, p 3, line 28 col 5	300,033,481
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.50%
14	Annual Allocation Factor for Return	Sum of line 11 and 13	

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

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American Transmission Company LLC

Page 2 of 2

Network Upgrade Charge Calculation By Project

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(9a)	(10)	(11)	(12)
				Annual			Annual			Preliminary			
				Allocation			Allocation		Project	Survey and			
Line		MTEP Project		Factor for	Annual Expense	Project Net	Factor for	Annual Return	Depreciation	Investigation	Annual Revenue	True-Up	Network
No.	Project Name	Number	Project Gross Plant	Expense	Charge	Plant	Return	Charge	Expense	Expense	Requirement	Adjustment	Upgrade Charge
													(Sum Col. 10 &
			(11) (2)	(5 4 !! 6)	(0.1.0.4.0.1.4)	(1) (5)	/D 4 / 1 / 1 / 1	(0 0 + 0 7)	(A) . =\	41. 0	(Sum Col. 5, 8, 9 &		11)
			(Note C)	(Page 1 line 9)	(Col. 3 * Col. 4)	(Note D)	(Page 1 line 14)	(Col. 6 * Col. 7)	(Note E)	(Note J)	9a)	(Note F)	(Note G)
1a	Werner West-Morgan	345	\$ 141.574.630	2.96%	\$ 4.191.023	\$ 109.704.828	7.83%	\$ 8.595.026	\$ 3.525.800	e .	\$ 16.311.850	\$ (267,227)	\$ 16.044.623
1b	Pleasant Valley - St. Lawrence	1453	\$ 8.751.972			\$ 6.048.186			\$ 253,987		\$ 986.927		
1c	Cranberry-Conover-Iron River-Plains	352	\$ 88,215,724				7.83%		\$ 2,214,656		\$ 9,942,729		
1d	Rockdale-W.Middleton 345kV	356	\$ 141,117,812			\$ 119,322,313	7.83%		\$ 3,274,017		\$ 16,800,043		
1e	Lake Delton- Birchwood 138 kV line	1621	\$ 141,117,012	2.96%		\$ 113,022,010	7.83%		\$ 0,274,017	\$ -	\$ -	\$ (177,043)	\$ 10,022,330
1f	Horicon-East Beaver Dam 138 kV line	1712	\$ -	2.96%		\$ -	7.83%		\$ -	\$ -	\$ -	\$ -	\$ -
1g	G507-Cedar Ridge Wind Farm	1616	\$ 1.345.005			\$ 985.822	7.83%		\$ 37.377	\$ -	\$ 154,429	\$ (462)	\$ 153.967
1h	GIC706-H012 Glacier Hills Wind Park	2452 / 3160	\$ 2.141.427			\$ 1,716,458	7.83%				\$ 259.148		
1i	G834 Interim Upgrades	2837	\$ 550,772				7.83%		\$ 16,704		\$ 72,030		
11	G833 Interim Upgrades	2793	\$ 8.871			\$ 366.717	7.83%					\$ (8,812)	
1k	2nd Kewaunee Xfr	1950	\$ 14.980.665				7.83%		\$ 464.212		\$ 1.829.398		
11	G833/4 Long Term Solution	3206	\$ 25,444,866				7.83%		\$ 708,640		\$ 3.381.680		
1 m	Straits Power Flow Controller	2846	\$ 121,363,247			\$ 101.574.687			\$ 4,435,551		\$ 15,986,314		
1n	Rebuild Arcadian - Waukesha 138kV lines	1270	\$ -	2.96%		\$	7.83%		\$ -	\$ -	\$ -	\$ 64	\$ 64
10	Arnold Transformer	3125	\$ 26.877.741	2.96%		\$ 23,672,696	7.83%		\$ 826,930	\$ -	\$ 3,477,271	\$ 104,464	\$ 3,581,734
1p	Green Bay to Morgan 345 kV / Memominee Co to Delta Co 138 kV	3679	\$ 231,678,829	2.96%	\$ 6,858,371	\$ 222,464,277	7.83%	\$ 17,429,373	\$ 6,175,157	\$ -	\$ 30,462,901	\$ (2,986,167)	\$ 27,476,733
1g	Cambridge (Dane Co), Nat Gas Simple Cycle CT Uprate, GIP J-384,	12283	\$ 3,937,287	2.96%	\$ 116,555	\$ 3,923,580	7.83%	\$ 307,400	\$ 118,791	\$ -	\$ 542,746	\$ -	\$ 542,746
	Network Upgrades												
1r	Lafayette County Wind GIC-J395 Falcon Substation & Network	12284	\$ 5,963,586	2.96%	\$ 176,540	\$ 5,841,728	7.83%	\$ 457,681	\$ 82,759	\$ -	\$ 716,980	\$ 31,021	\$ 748,000
	Upgrades												
1s	J703 WeEnergies GIC-NetworkUpgrades	13784	\$ 2,946,425			\$ 2,946,425	7.83%			\$ -	\$ 318,066		\$ 318,066
1t	J704 WeEnergies GIC-NetworkUpgrades	13769	\$ 3,963,595	2.96%	\$ 117,334	\$ 3,963,595	7.83%	\$ 310,535	\$ -	\$ -	\$ 427,869	\$ -	\$ 427,869
2	Annual Totals									\$0	\$101,699,813	(\$2,684,185)	\$99,015,628
2	Allitual Totals									φu	φισι,099,013	(φ2,004,103)	φσσ,010,020

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

Note

- 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 14a 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.

- 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 GG 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 O 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 O ATCLLC, Page 3, Line 1, Column 5.