

Formula Rate calculation

Rate Formula Template
Utilizing Attachment O - ATCLLC Data

Attachment GG - ATCLLC
For the 12 months ended 12/31/2017

American Transmission Company LLC

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To be completed in conjunction with Attachment O - ATCLLC.

Line No.	(1)	(2) Attachment O - ATCLLC Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach O - ATCLLC, p 2, line 2 col 5 (Note A)	5,528,194,479	
2	Net Transmission Plant - Total	Attach O - ATCLLC, p 2, line 14 col 5 (Note B)	4,154,358,539	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach O - ATCLLC, p 3, line 8 col 5	147,756,323	
3a	Less: Preliminary Survey and Investigation Adjustment (Note I)	Included in Attach O - ATCLLC, P 3, line 1 col 5	6,175,670	
3b	Adjusted O&M Allocated to Transmission	(line 3 minus line 3a col 3)	141,580,653	
4	Annual Allocation Factor for O&M	(line 3b divided by line 1 col 3)	2.56%	2.56%
	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)	13,278,426	
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.24%	0.24%
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach O - ATCLLC, p 3, line 20 col 5	25,424,115	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.46%	0.46%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, and 8		3.26%
	INCOME TAXES			
10	Total Income Taxes	Attach O - ATCLLC, p 3, line 27 col 5	110,247,406	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	2.65%	2.65%
	RETURN			
12	Return on Rate Base	Attach O - ATCLLC, p 3, line 28 col 5	270,393,907	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.51%	6.51%
14	Annual Allocation Factor for Return	Sum of line 11 and 13		9.16%

Network Upgrade Charge Calculation By Project

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(9a)	(10)	(11)	(12)	
Line No.	Project Name	MTEP 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	Preliminary Survey and Investigation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
		(Note C)	(Page 1 line 9)	(Col. 3 * Col. 4)	(Note D)	(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)	
1a	Werner West-Morgan	345	\$ 148,505,803	3.26%	\$ 4,843,010	\$ 116,357,992	9.16%	\$ 10,661,251	\$ 3,844,879	\$ -	\$ 19,349,140	\$ (428,573)	\$ 18,920,567
1b	Pleasant Valley - St. Lawrence	1453	\$ 8,751,972	3.26%	\$ 285,416	\$ 6,557,355	9.16%	\$ 600,815	\$ 251,596	\$ -	\$ 1,137,827	\$ (1,301)	\$ 1,136,526
1c	Cranberry-Conover-Iron River-Plains	352	\$ 88,220,916	3.26%	\$ 2,877,024	\$ 69,709,240	9.16%	\$ 6,387,079	\$ 2,269,283	\$ -	\$ 11,533,386	\$ (249,687)	\$ 11,283,699
1d	Rockdale-W.Middleton 345kV	356	\$ 141,173,980	3.26%	\$ 4,603,907	\$ 125,803,806	9.16%	\$ 11,526,720	\$ 3,379,193	\$ -	\$ 19,509,820	\$ (595,727)	\$ 18,914,093
1e	Lake Delton- Birchwood 138 kV line	1621	\$ -	3.26%	\$ -	\$ -	9.16%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1f	Horicon-East Beaver Dam 138 kV line	1712	\$ -	3.26%	\$ -	\$ -	9.16%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1g	G507-Cedar Ridge Wind Farm	1616	\$ 1,379,726	3.26%	\$ 44,995	\$ 1,048,318	9.16%	\$ 96,052	\$ 38,146	\$ -	\$ 179,193	\$ (1,997)	\$ 177,196
1h	GIC706-H012 Glacier Hills Wind Park	2452 / 3160	\$ 2,141,427	3.26%	\$ 69,835	\$ 1,829,164	9.16%	\$ 167,596	\$ 59,365	\$ -	\$ 296,797	\$ (3,479)	\$ 293,317
1i	G834 Interim Upgrades	2837	\$ 626,603	3.26%	\$ 20,435	\$ 529,940	9.16%	\$ 48,556	\$ 18,279	\$ -	\$ 87,269	\$ 2	\$ 87,271
1j	G833 Interim Upgrades	2793	\$ 405,930	3.26%	\$ 13,238	\$ 358,312	9.16%	\$ 32,830	\$ 17,699	\$ -	\$ 63,767	\$ 6,980	\$ 70,747
1k	2nd Kewaunee Xfr	1950	\$ 15,069,171	3.26%	\$ 491,430	\$ 12,701,477	9.16%	\$ 1,163,767	\$ 446,257	\$ -	\$ 2,101,454	\$ 9,482	\$ 2,110,936
1l	G833/4 Long Term Solution	3206	\$ 13,806,233	3.26%	\$ 450,243	\$ 13,806,233	9.16%	\$ 1,264,990	\$ -	\$ -	\$ 1,715,233	\$ (185,343)	\$ 1,529,890
1m	Straits Power Flow Controller	2846	\$ 124,284,332	3.26%	\$ 4,053,109	\$ 113,905,881	9.16%	\$ 10,436,577	\$ 3,442,676	\$ -	\$ 17,932,363	\$ (105,242)	\$ 17,827,120
1n	Rebuild Arcadian - Waukesha 138kV lines	1270	\$ -	3.26%	\$ -	\$ -	9.16%	\$ -	\$ -	\$ -	\$ -	\$ (3,797)	\$ (3,797)
1o	Arnold Transformer	3125	\$ 26,603,990	3.26%	\$ 867,598	\$ 25,124,782	9.16%	\$ 2,302,047	\$ 736,931	\$ -	\$ 3,906,576	\$ 29,692	\$ 3,936,269
1p	Green Bay to Morgan 345 kV / Memominee Co to Delta Co 138 kV	3679	\$ 186,895,108	3.26%	\$ 6,094,946	\$ 185,049,952	9.16%	\$ 16,955,122	\$ 2,373,202	\$ -	\$ 25,423,270	\$ (1,438,004)	\$ 23,985,267
1q	Cambridge,Nat Gas Simple Cycle CT Uprate GIP J-384	12283	\$ -	3.26%	\$ -	\$ -	9.16%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1r	Layfayette County Wind GIC-J395	12284	\$ -	3.26%	\$ -	\$ -	9.16%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$0	\$103,236,095	(\$2,966,993)	\$100,269,101
3	Rev. Req. Adj For Attachment O - ATCLLC										\$103,236,095		

- Note Letter
- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment O - ATCLLC and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable.
 - B 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.
 - C 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.
 - D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
 - E 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.
 - F True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable.
 - G The Network Upgrade Charge is the value to be used in schedules associated with Attachment GG - ATCLLC.
 - H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.
 - I 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.
 - J 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.