

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)	(3)	(4)
Line No.		Attachment O - ATCLLC Page, Line, Col.	Transmission	Allocator
1	Gross Transmission Plant - Total	Attach O - ATCLLC, p 2, line 2 col 5 (Note A)	8,633,519,746	
2	Net Transmission Plant - Total	Attach O - ATCLLC, p 2, line 14 col 5 (Note B)	6,162,114,055	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attach O - ATCLLC, p 3, line 8 col 5	184,215,301	
3a	Less: Preliminary Survey and Investigation Adjustment (Note I)	Included in Attach O - ATCLLC, P 3, line 1 col 5	23,878,716	
3b	Adjusted O&M Allocated to Transmission	(line 3 minus line 3a col 3)	160,336,585	
4	Annual Allocation Factor for O&M	(line 3b divided by line 1 col 3)	1.86%	1.86%
REGULATORY LIABILITY AMORTIZATION AND 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)	27,762,323	
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.32%	0.32%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Attach O - ATCLLC, p 3, line 20 col 5	35,135,746	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.41%	0.41%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, and 8		2.59%
INCOME TAXES				
10	Total Income Taxes	Attach O - ATCLLC, p 3, line 27 col 5	86,428,319	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	1.40%	1.40%
RETURN				
12	Return on Rate Base	Attach O - ATCLLC, p 3, line 28 col 5	418,765,691	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.80%	6.80%
14	Annual Allocation Factor for Return	Sum of line 11 and 13		8.20%

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 (MTEP06)	345	\$ 141,497,041	2.59%	\$ 3,658,652	\$ 89,477,792	8.20%	\$ 7,335,736	\$ 3,311,031	\$ -	\$ 14,305,419	\$ (499,030)	\$ 13,806,389
1b	Pleasant Valley - St. Lawrence (MTEP06)	1453	\$ 8,744,623	2.59%	\$ 226,107	\$ 4,520,606	8.20%	\$ 370,617	\$ 255,343	\$ -	\$ 852,067	\$ (30,706)	\$ 821,361
1c	Cranberry-Conover-Iron River-Plains (MTEP06)	352	\$ 88,185,651	2.59%	\$ 2,280,193	\$ 52,683,180	8.20%	\$ 4,319,171	\$ 2,065,047	\$ -	\$ 8,664,412	\$ (305,239)	\$ 8,359,173
1d	Rockdale-W.Middleton 345kV (MTEP08)	356	\$ 140,835,823	2.59%	\$ 3,641,555	\$ 100,374,087	8.20%	\$ 8,229,057	\$ 3,112,472	\$ -	\$ 14,983,084	\$ (527,015)	\$ 14,456,068
1e	G507-Cedar Ridge Wind Farm (MTEP07)	1616	\$ 1,250,002	2.59%	\$ 32,321	\$ 1,055,789	8.20%	\$ 86,558	\$ 32,375	\$ -	\$ 151,254	\$ (4,849)	\$ 146,405
1f	GIC706-H012 Glacier Hills Wind Park (MTEP09/11)	2452/3160	\$ 1,964,607	2.59%	\$ 50,798	\$ 1,706,784	8.20%	\$ 139,929	\$ 53,634	\$ -	\$ 244,361	\$ (8,132)	\$ 236,229
1g	2nd Kewaunee Xfr (MTEP11)	1950	\$ 14,493,691	2.59%	\$ 374,760	\$ 9,368,020	8.20%	\$ 768,027	\$ 408,722	\$ -	\$ 1,551,508	\$ (75,218)	\$ 1,476,291
1h	G833 Interim Upgrades (MTEP10)	2793	\$ 8,871	2.59%	\$ 229	\$ 187,372	8.20%	\$ 15,361	\$ 450	\$ -	\$ 16,041	\$ (983)	\$ 15,057
1i	G834 Interim Upgrades (MTEP10)	2837	\$ 520,818	2.59%	\$ 13,467	\$ 458,813	8.20%	\$ 37,615	\$ 14,635	\$ -	\$ 65,717	\$ (2,104)	\$ 63,613
1j	Straits Power Flow Controller (MTEP11)	2846	\$ 120,240,495	2.59%	\$ 3,109,027	\$ 75,794,847	8.20%	\$ 6,213,956	\$ 4,292,586	\$ -	\$ 13,615,568	\$ (511,698)	\$ 13,103,871
1k	Arnold Transformer (MTEP12)	3125	\$ 26,387,167	2.59%	\$ 682,286	\$ 19,133,108	8.20%	\$ 1,568,606	\$ 752,034	\$ -	\$ 3,002,927	\$ (120,550)	\$ 2,882,376
1l	G833/4 Long Term Solution (MTEP11)	3206	\$ 26,023,326	2.59%	\$ 672,878	\$ 21,065,253	8.20%	\$ 1,727,011	\$ 681,811	\$ -	\$ 3,081,701	\$ (105,242)	\$ 2,976,459
1m	Green Bay to Morgan 345 kV / Memominee Co to Delta Co 138 kV (MTEP12)	3679	\$ 226,959,547	2.59%	\$ 5,868,433	\$ 184,032,059	8.20%	\$ 15,087,662	\$ 5,518,615	\$ -	\$ 26,474,710	\$ (1,010,098)	\$ 25,464,612
1n	Lafayette County Wind GIC-J395 Falcon Substation & Network Upgrades (MTEP17)	12284	\$ 7,445,003	2.59%	\$ 192,503	\$ 6,697,278	8.20%	\$ 549,069	\$ 193,116	\$ -	\$ 934,688	\$ (31,229)	\$ 903,459
1o	West Riverside GIC J390 Kittyhawk Substation (MTEP17)	13103	\$ 20,293,204	2.59%	\$ 524,716	\$ 18,764,742	8.20%	\$ 1,538,406	\$ 529,653	\$ -	\$ 2,592,775	\$ (90,447)	\$ 2,502,328
1p	J704 WeEnergies GIC-Network Upgrades (MTEP18)	13769	\$ 8,423,892	2.59%	\$ 217,814	\$ 7,564,507	8.20%	\$ 620,168	\$ 242,608	\$ -	\$ 1,080,590	\$ (36,273)	\$ 1,044,317
1q	J703 WeEnergies GIC-Network Upgrades (MTEP18)	13784	\$ 6,687,278	2.59%	\$ 172,911	\$ 6,040,510	8.20%	\$ 495,224	\$ 188,581	\$ -	\$ 856,717	\$ (28,709)	\$ 828,008
1r	J505 GIC, Apollo SS Network Facilities (MTEP18)	14925	\$ 2,664,959	2.59%	\$ 68,907	\$ 2,485,677	8.20%	\$ 203,785	\$ 76,218	\$ -	\$ 348,910	\$ (14,499)	\$ 334,412
1s	Garden Corners SS GIC Network Upgrades (MTEP19)	16494	\$ 216,108	2.59%	\$ 5,588	\$ 201,188	8.20%	\$ 16,494	\$ 7,024	\$ -	\$ 29,106	\$ 216	\$ 29,321
1t	J928/J849 Indian Lake Common Use Upgrades (MTEP19)	17064	\$ 52,198	2.59%	\$ 1,350	\$ 48,616	8.20%	\$ 3,986	\$ 1,696	\$ -	\$ 7,032	\$ (1,344)	\$ 5,688
1u	J870/J871 MPFCA Highland Generator Network Upgrades (MTEP20)	17525	\$ 7,276,441	2.59%	\$ 188,145	\$ 6,913,266	8.20%	\$ 566,776	\$ 205,196	\$ -	\$ 960,117	\$ (161,738)	\$ 798,379
1v	J886 GIC Kewaunee SS Network Upgrades (MTEP20)	17526	\$ 539,932	2.59%	\$ 13,961	\$ 469,294	8.20%	\$ 38,475	\$ 18,088	\$ -	\$ 70,523	\$ (2,409)	\$ 68,114
1w	J850/J878 MPFCA East Paris New SS (MTEP20)	18665	\$ 2,495,796	2.59%	\$ 64,533	\$ 2,389,549	8.20%	\$ 195,905	\$ 67,886	\$ -	\$ 328,323	\$ (102,964)	\$ 225,360
1x	J870 J871 Highland SS Network Upgrades (MTEP20)	18849	\$ 3,367,348	2.59%	\$ 87,069	\$ 3,220,293	8.20%	\$ 264,012	\$ 90,582	\$ -	\$ 441,662	\$ (132,825)	\$ 308,838
1y	J818 Jefferson SS Generator Network Upgrades (MTEP20)	18925	\$ 1,635,429	2.59%	\$ 42,287	\$ 1,621,092	8.20%	\$ 132,903	\$ 46,596	\$ -	\$ 221,786	\$ -	\$ 221,786
1z	J850/J878 MPFCA East Paris New SS (MTEP20)	18985	\$ 13,762,469	2.59%	\$ 355,853	\$ 13,581,493	8.20%	\$ 1,113,463	\$ 392,116	\$ -	\$ 1,861,432	\$ -	\$ 1,861,432
1aa	J947 Tennyson SS Network Upgrades (MTEP20)	19145	\$ 6,345,349	2.59%	\$ 164,070	\$ 6,171,563	8.20%	\$ 505,969	\$ 166,883	\$ -	\$ 836,921	\$ (117,930)	\$ 718,992
1bb	J1171 Butternut, Network Upgrade (MTEP20)	19146	\$ 6,403,156	2.59%	\$ 165,565	\$ 6,318,954	8.20%	\$ 518,052	\$ 182,437	\$ -	\$ 866,054	\$ -	\$ 866,054
1cc	J864 J870 J871 J947 MPFCA Common Use Upgrades (MTEP20)	19246	\$ 182,733	2.59%	\$ 4,725	\$ 174,534	8.20%	\$ 14,309	\$ 5,628	\$ -	\$ 24,662	\$ (18,352)	\$ 6,310
1dd	J807 J819 J870 J947 MPFCA Common Use Upgrades (MTEP20)	19248	\$ 108,109	2.59%	\$ 2,795	\$ 104,917	8.20%	\$ 8,601	\$ 3,005	\$ -	\$ 14,402	\$ (2,585)	\$ 11,817
1ee	J878 GIC Paris SS Network Upgrades (MTEP20)	19265	\$ 1,375,533	2.59%	\$ 35,567	\$ 1,357,444	8.20%	\$ 111,289	\$ 39,191	\$ -	\$ 186,047	\$ (180,195)	\$ 5,851
1ff	J807 J864 J870 J871 J947 MPFCA Common Use Upgrades (MTEP20)	19267	\$ 66,596	2.59%	\$ 1,722	\$ 64,082	8.20%	\$ 5,254	\$ 2,049	\$ -	\$ 9,025	\$ (2,047)	\$ 6,978
1gg	J864 J870 J871 MPFCA Common Use Upgrades (MTEP20)	19269	\$ 237,889	2.59%	\$ 6,151	\$ 224,070	8.20%	\$ 18,370	\$ 8,112	\$ -	\$ 32,633	\$ (10,571)	\$ 22,063
1hh	J986 7 Mile Creek SS Network Upgrades (MTEP21)	20625	\$ 4,543,062	2.59%	\$ 117,469	\$ 4,331,915	8.20%	\$ 355,147	\$ 131,444	\$ -	\$ 604,060	\$ 47,873	\$ 651,933
1ii	J1000 Comet SS Network Upgrades (MTEP22)	21648	\$ 3,286,857	2.59%	\$ 84,987	\$ 3,185,937	8.20%	\$ 261,195	\$ 86,444	\$ -	\$ 432,627	\$ -	\$ 432,627
1jj	J1002 Wautoma SS Network Upgrades (MTEP22)	21812	\$ 502,256	2.59%	\$ 12,987	\$ 486,616	8.20%	\$ 39,895	\$ 13,050	\$ -	\$ 65,931	\$ -	\$ 65,931
1kk	J986 J1002 MPFCA Network Upgrades (MTEP22)	21814	\$ 2,833,396	2.59%	\$ 73,262	\$ 2,771,298	8.20%	\$ 227,202	\$ 74,518	\$ -	\$ 374,982	\$ -	\$ 374,982
1ll	J855 J864 J870 J871 MPFCA (MTEP22)	22045	\$ 22,440	2.59%	\$ 580	\$ 21,642	8.20%	\$ 1,774	\$ 624	\$ -	\$ 2,978	\$ 397	\$ 3,375
1mm	J1154 Crawfish River Solar Network Upgrades (MTEP22)	22047	\$ 637,854	2.59%	\$ 16,493	\$ 613,322	8.20%	\$ 50,283	\$ 22,644	\$ -	\$ 89,419	\$ -	\$ 89,419
1nn	J986 J1002 J1003 MPFCA (MTEP22)	22048	\$ 42,759	2.59%	\$ 1,106	\$ 41,433	8.20%	\$ 3,397	\$ 1,189	\$ -	\$ 5,691	\$ 80	\$ 5,771
1oo	J1002 J1003 MPFCA Network Upgrades (MTEP22)	22085	\$ 94	2.59%	\$ 2	\$ 91	8.20%	\$ 7	\$ 2	\$ -	\$ 12	\$ -	\$ 12
1pp	J1153 Holland SS Network Upgrades (MTEP22)	22145	\$ 2,953,112	2.59%	\$ 76,358	\$ 2,857,256	8.20%	\$ 234,249	\$ 88,475	\$ -	\$ 399,082	\$ -	\$ 399,082
1qq	J1171 Butternut SS Network Upgrades (MTEP22)	22146	\$ 1,294,205	2.59%	\$ 33,464	\$ 1,238,826	8.20%	\$ 101,564	\$ 49,234	\$ -	\$ 184,261	\$ -	\$ 184,261
1rr	J1042 J1188 MPFCA Network Upgrades	22225	\$ 2,292,731	2.59%	\$ 59,283	\$ 2,257,557	8.20%	\$ 185,083	\$ 60,299	\$ -	\$ 304,665	\$ -	\$ 304,665
1ss	J1304 J1305 J1460 MPFCA Network Upgrades (MTEP23)	24782	\$ 4,412,149	2.59%	\$ 114,084	\$ 4,272,702	8.20%	\$ 350,293	\$ 119,569	\$ -	\$ 583,946	\$ -	\$ 583,946
1tt	J1305 Norwegian CreekSS Netwrk Upgr (MTEP23)	25262	\$ 3,370,695	2.59%	\$ 87,155	\$ 3,264,567	8.20%	\$ 267,642	\$ 91,009	\$ -	\$ 445,806	\$ -	\$ 445,806
			\$ -	2.59%	\$ -	\$ -	8.20%	\$ -	\$ -	\$ -	\$ -		
2	Annual Totals										\$102,205,635	(\$4,086,413)	\$98,119,221
3	Rev. Req. Adj For Attachment O - ATCLLC										\$102,205,635		

- 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. Note the amount reported in Line 9a of Attachment O – ATCLLC is a negative and should be used as a negative number.
- 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.