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)                      |
|-------------|--|---|--------------------------|
| Line<br>No. |  | Attachment O - ATCLLC Page, Line, Col.  | Transmission             |
|             | Gross Transmission Plant - Total   | Attack O. ATOLLO - O. E O (Alete A)   | 5.851.633.139            |
| 2           | Net Transmission Plant - Total   | Attach O - ATCLLC, p 2, line 2 col 5 (Note A)<br>Attach O - ATCLLC, p 2, line 14 col 5 (Note B) | 4,360,449,446            |
|             | O&M EXPENSE  |   |                          |
| 3           | Total O&M Allocated to Transmission  | Attach O - ATCLLC, p 3, line 8 col 5  | 149,515,962              |
| 3a          | Less: Preliminary Survey and Investigation Adjustment (Note I)  Adjusted O&M Allocated to Transmission | Included in Attach O - ATCLLC, P 3, line 1 col 5  | 9,451,132<br>140,064,830 |
| 3b<br>4     | Adjusted O&M Allocated to Transmission Annual Allocation Factor for O&M                                | (line 3 minus line 3a col 3)<br>(line 3b divided by line 1 col 3)                               | 140,064,830              |
|             | 7 Hilliam 7 Hosailon 1 actor for Calif   | ( 05 0 1 00.0)  | 2.0070                   |
|             | 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)   | 16,383,926               |
| 6           | Annual Allocation Factor for G&C Depreciation Expense  | (line 5 divided by line 1 col 3)  | 0.28%                    |
|             | TAXES OTHER THAN INCOME TAXES  |   |                          |
| 7           | Total Other Taxes  | Attach O - ATCLLC, p 3, line 20 col 5   | 28,924,162               |
| 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   | 116,078,012              |
| 11          | Annual Allocation Factor for Income Taxes  | (line 10 divided by line 2 col 3)   | 2.66%                    |
|             | RETURN   |   |                          |
| 12          | Return on Rate Base  | Attach O - ATCLLC, p 3, line 28 col 5   | 284,974,594              |
| 13          | Annual Allocation Factor for Return on Rate Base   | (line 12 divided by line 2 col 3)   | 6.54%                    |
| 14          | Annual Allocation Factor for Return  | Sum of line 11 and 13   |                          |

## Attachment GG - ATCLLC For the 12 months ended 12/31/2018

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American Transmission Company LLC

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### **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    |                     |               |      | etwork     |
| Line |   | MTEP Project |      |                  |                 | Annual Expense    | Project Net    | Factor for       | Annual Return     | Depreciation | Investigation | Annual Revenue      | True-Up       |      | ograde     |
| No.  | Project Name  | Number       | Proj | ject Gross Plant | Expense         | Charge            | Plant          | Return           | Charge            | Expense      | Expense       | Requirement         | Adjustment    | -    | harge      |
|      |   |              |      |                  |                 |                   |                |                  |                   |              |               | (0 015000           |               | (Sum | Col. 10 &  |
|      |   |              |      | (NI=+= O)        | (Dans 4 Ess 0)  | (0-1.0 + 0-1.4)   | (Note D)       | (Dans 4 Ess 4.4) | (0-1 0 + 0-1 7)   | (Note E)     | (Note J)      | (Sum Col. 5, 8, 9 & | (NI=4= E)     | /8   | 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)      | (I)  | lote G)    |
| 1a   | Werner West-Morgan  | 345          | \$   | 147.960.618      | 3.17%           | \$ 4.687.220      | \$ 112.824.709 | 9.20%            | \$ 10.377.060     | \$ 3.704.074 | \$ -          | \$ 18,768,354       | \$ (418.957)  | S 1  | 8.349.397  |
| 1b   | Pleasant Valley - St. Lawrence  | 1453         | \$   | 8.751.972        | 3.17%           |                   | \$ 6,302,173   |                  | \$ 579.643        | \$ 253,987   |               | \$ 1,110,882        |               |      | 1.085.757  |
| 1c   | Cranberry-Conover-Iron River-Plains   | 352          | \$   | 88,215,724       | 3.17%           | \$ 2,794,571      | \$ 67,522,066  | 9.20%            | \$ 6,210,346      |              |               | \$ 11,219,574       |               | \$ 1 | 1,070,148  |
| 1d   | Rockdale-W.Middleton 345kV  | 356          | \$   | 141,173,980      | 3.17%           | \$ 4,472,227      | \$ 122,595,205 | 9.20%            | \$ 11,275,701     | \$ 3,274,989 | \$ -          | \$ 19,022,918       | \$ (447,970)  | \$ 1 | 8,574,948  |
| 1e   | Lake Delton- Birchwood 138 kV line  | 1621         | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
| 1f   | Horicon-East Beaver Dam 138 kV line   | 1712         | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
| 1g   | G507-Cedar Ridge Wind Farm  | 1616         | \$   | 1,379,726        | 3.17%           | \$ 43,708         | \$ 1,009,984   | 9.20%            | \$ 92,893         | \$ 38,805    | \$ -          | \$ 175,407          | \$ (774)      | \$   | 174,633    |
| 1h   | GIC706-H012 Glacier Hills Wind Park   | 2452 / 3160  | \$   | 2,141,427        | 3.17%           |                   | \$ 1,771,048   | 9.20%            |                   |              | \$ -          | \$ 292,006          | \$ (4,179)    | \$   | 287,827    |
| 1i   | G834 Interim Upgrades   | 2837         | \$   | 626,603          | 3.17%           | \$ 19,850         | \$ 512,935     | 9.20%            | \$ 47,177         | \$ 19,032    | \$ -          | \$ 86,059           | \$ (991)      | \$   | 85,068     |
| 1j   | G833 Interim Upgrades   | 2793         | \$   | 298,602          | 3.17%           |                   | \$ 353,393     | 9.20%            | \$ 32,503         |              |               | \$ 56,773           | \$ 2,212      | \$   | 58,985     |
| 1k   | 2nd Kewaunee Xfr  | 1950         | \$   | 14,970,696       | 3.17%           |                   |                | 9.20%            |                   |              |               | \$ 2,062,734        |               |      | 2,000,950  |
| 11   | G833/4 Long Term Solution   | 3206         | \$   | 25,972,360       | 3.17%           |                   |                | 9.20%            |                   | \$ 614,418   |               | \$ 3,801,924        |               |      | 3,823,699  |
| 1m   | Straits Power Flow Controller   | 2846         | \$   | 124,241,713      | 3.17%           |                   | \$ 108,751,526 |                  | \$ 10,002,428     | \$ 4,540,752 | \$ -          | \$ 18,479,013       |               | \$ 1 | 8,201,628  |
| 1n   | Rebuild Arcadian - Waukesha 138kV lines   | 1270         | \$   | -                | 3.17%           |                   | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ 1,335      | \$   | 1,335      |
| 10   | Arnold Transformer  | 3125         | \$   | 26,877,677       | 3.17%           |                   | \$ 24,577,948  | 9.20%            |                   | \$ 748,543   |               | \$ 3,860,555        |               |      | 3,778,809  |
| 1p   | Green Bay to Morgan 345 kV / Memominee Co to Delta Co 138 kV                        | 3679         | \$   | 240,327,298      | 3.17%           |                   | \$ 236,275,505 |                  | \$ 21,731,454     | \$ 3,036,621 |               | \$ 32,381,364       |               | \$ 3 | 31,791,956 |
| 1q   | Lafayette County Wind GIC-J395 Falcon Substation & Network<br>Upgrades              | 12284        | \$   | 2,917,602        | 3.17%           | \$ 92,426         | \$ 2,856,871   | 9.20%            | \$ 262,761        | \$ 81,255    | \$ -          | \$ 436,442          | \$ -          | \$   | 436,442    |
| 1r   | Cambridge (Dane Co), Nat Gas Simple Cycle CT Uprate, GIP J-384,<br>Network Upgrades | 12283        | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
| 1s   | West Riverside GIC J390 Kittyhawk Substation  | 13103        | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
| 1t   | J703 GIC-Network Upgrades   | 13784        | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
| 1u   | J704 GIC-NetworkUpgrades  | 13769        | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
| 1v   | J711 GIC-Network Upgrades   | 14204        | \$   | -                | 3.17%           | \$ -              | \$ -           | 9.20%            | \$ -              | \$ -         | \$ -          | \$ -                | \$ -          | \$   | -          |
|      |   |              |      |                  |                 |                   |                |                  |                   |              |               |                     |               |      |            |
|      |   |              |      |                  |                 |                   |                |                  |                   |              |               |                     |               |      |            |
|      |   |              |      |                  |                 |                   |                |                  |                   |              |               |                     |               |      |            |
| 2    | Annual Totals   |              |      |                  |                 |                   |                |                  | 1                 |              | \$0           | \$111,754,005       | (\$2,032,425) | \$1  | 09,721,581 |
|      |   |              |      |                  |                 |                   |                |                  |                   |              |               |                     |               | •    | . ,        |

Rev. Reg. Adj For Attachment O - ATCLLC \$111,754,005

#### Note Letter

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.

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
- 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.