

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/20

Upper Missouri Power Cooperative

| Line No. | | | | Allocated Amount |
|----------|---|-----------|----------------------------------|--------------------|
| 1 | GROSS REVENUE REQUIREMENT (page 3, line 31) | | | \$ 2,270,837 |
| | REVENUE CREDITS (Note T) | Total | Allocator | |
| 2 | Account No. 454 & 456 (page 4, line 34 & Line 34a) | 0 | TP 1.00000 | 0 |
| 3 | Account No. 456.1 (page 4, line 37) | 0 | TP 1.00000 | 0 |
| 4 | Revenues from Grandfathered Interzonal Transactions | 0 | TP 1.00000 | 0 |
| 5 | Revenues from service provided by the ISO at a discount | 0 | TP 1.00000 | 0 |
| 6 | TOTAL REVENUE CREDITS (sum lines 2-5) | | | 0 |
| 6a | Adjustments to Net Revenue Requirement (Note CC) | | | 0 |
| 6b | Interest on Adjustments (Note DD) | | | 0 |
| 6c | Total Adjustment (line 6a + line 6b) | | | 0 |
| 7 | NET REVENUE REQUIREMENT (line 1 minus line 6 plus Line 6c) | | | \$ 2,270,837 |
| | DIVISOR | | | |
| 8 | Average of 12 coincident system peaks for requirements (RQ) service | | (Note A) | 45,010 |
| 9 | Plus 12 CP of firm bundled sales over one year not in line 8 | | (Note B) | 0 |
| 10 | Plus 12 CP of Network Load not in line 8 | | (Note C) | 0 |
| 11 | Less 12 CP of firm P-T-P over one year (enter negative) | | (Note D) | 0 |
| 12 | Plus Contract Demand of firm P-T-P over one year | | | 0 |
| 13 | Less Contract Demand from Grandfathered Interzonal Transactions over one year (enter negative) (Note S) | | | 0 |
| 14 | Less Contract Demands from service over one year provided by ISO at a discount (enter negative) | | | 0 |
| 15 | Divisor (sum lines 8-14) | | | 45,010 |
| 16 | Annual Cost (\$/kW/Yr) (line 7 / line 15) | 50.452 | | |
| 17 | Network & P-to-P Rate (\$/kW/Mo) (line 16 / 12) | 4.204 | | |
| | | Peak Rate | | Off-Peak Rate |
| 18 | Point-To-Point Rate (\$/kW/Wk) (line 16 / 52; line 16 / 52) | 0.970 | | \$0.970 |
| 19 | Point-To-Point Rate (\$/kW/Day) (line 16 / 260; line 16 / 365) | 0.194 | Capped at weekly rate | \$0.138 |
| 20 | Point-To-Point Rate (\$/MWh) (line 16 / 4,160; line 16 / 8,760 times 1,000) | 12.128 | Capped at weekly and daily rates | \$5.759 |
| 21 | FERC Annual Charge (\$/MWh) (Note E) | \$0.000 | Short Term | \$0.000 Short Term |
| 22 | | \$0.000 | Long Term | \$0.000 Long Term |

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| Line No. | (1) RATE BASE: | (2) Form No. 1 Page, Line, Col. | Upper Missouri Power Cooperative | | (5) Transmission (Col 3 times Col 4) |
|------------------------------------|--|---------------------------------------|----------------------------------|------------------|--|
| | | | (3) Company Total | (4) Allocator | |
| GROSS PLANT IN SERVICE (Note AA) | | | | | |
| 1 | Production | 205.46.g | 0 | NA | |
| 2 | Transmission | 207.58.g | 18,464,012 | TP | 1.00000 |
| 3 | Distribution | 207.75.g | 0 | NA | |
| 4 | General & Intangible | 205.5.g & 207.99.g | 1,525,005 | W/S | 0.12500 |
| 5 | Common | 356.1 | 0 | CE | 0.00000 |
| 6 | TOTAL GROSS PLANT (sum lines 1-5) | | 19,989,017 | GP= | 93.324% |
| ACCUMULATED DEPRECIATION (Note AA) | | | | | |
| 7 | Production | 219.20-24.c | 0 | NA | |
| 8 | Transmission | 219.25.c | 12,317,108 | TP | 1.00000 |
| 9 | Distribution | 219.26.c | 0 | NA | |
| 10 | General & Intangible | 219.28.c & 200.21.c | 514,512 | W/S | 0.12500 |
| 11 | Common | 356.1 | 0 | CE | 0.00000 |
| 12 | TOTAL ACCUM. DEPRECIATION (sum lines 7-11) | | 12,831,620 | | |
| NET PLANT IN SERVICE | | | | | |
| 13 | Production | (line 1 - line 7) | 0 | | |
| 14 | Transmission | (line 2 - line 8) | 6,146,904 | | |
| 15 | Distribution | (line 3 - line 9) | 0 | | |
| 16 | General & Intangible | (line 4 - line 10) | 1,010,493 | | |
| 17 | Common | (line 5 - line 11) | 0 | | |
| 18 | TOTAL NET PLANT (sum lines 13-17) | | 7,157,397 | NP= | 87.647% |
| ADJUSTMENTS TO RATE BASE (Note F) | | | | | |
| 19 | Account No. 281 (enter negative) | 273.8.k | 0 | NA | zero |
| 20 | Account No. 282 (enter negative) | 275.2.k | 0 | NP | 0.87647 |
| 21 | Account No. 283 (enter negative) | 277.9.k | 0 | NP | 0.87647 |
| 22 | Account No. 190 | 234.8.c | 0 | NP | 0.87647 |
| 23 | Account No. 255 (enter negative) | 267.8.h | 0 | NP | 0.87647 |
| 24 | TOTAL ADJUSTMENTS (sum lines 19 - 23) | | 0 | | |
| 25 | LAND HELD FOR FUTURE USE | 214.x.d (Note G) | 0 | TP | 1.00000 |
| WORKING CAPITAL (Note H) | | | | | |
| 26 | CWC | calculated | 401,806 | | |
| 27 | Materials & Supplies (Note G) | 227.5.c, 8.c & .16.c | 156,141 | TE | 1.00000 |
| 28 | Prepayments (Account 165) | 111.57.c | 252,673 | GP | 0.93324 |
| 29 | TOTAL WORKING CAPITAL (sum lines 26 - 28) | | 810,620 | | |
| 30 | RATE BASE (sum lines 18, 24, 25, & 29) | | 7,968,017 | | |

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For the 12 months ended 12/31/20

Upper Missouri Power Cooperative

| Line No. | (1) | (2) Form No. 1 Page, Line, Col. | (3) Company Total | (4) Allocator | (5) Transmission (Col 3 times Col 4) |
|--|---|---------------------------------------|----------------------|------------------|--|
| O&M (Note BB) | | | | | |
| 1 | Transmission | 321.112.b | 877,321 | TE 1.00000 | 877,321 |
| 1a | Less LSE Expenses included in Transmission O&M Accounts (Note V) | | 0 | 1.00000 | 0 |
| 2 | Less Account 565 | 321.96.b | 0 | TE 1.00000 | 0 |
| 3 | A&G | 323.197.b | 2,337,128 | W/S 0.12500 | 292,141 |
| 4 | Less FERC Annual Fees | | 0 | W/S 0.12500 | 0 |
| 5 | Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I) | | 0 | W/S 0.12500 | 0 |
| 5a | Plus Transmission Related Reg. Comm. Exp. (Note I) | | 0 | TE 1.00000 | 0 |
| 6 | Common | 356.1 | 0 | CE 0.00000 | 0 |
| 7 | Transmission Lease Payments | | 0 | 1.00000 | 0 |
| 8 | TOTAL O&M (sum lines 1, 3, 5a, 6, 7 less lines 1a, 2, 4, 5) | | 3,214,449 | | 1,169,462 |
| DEPRECIATION AND AMORTIZATION EXPENSE (Note AA) | | | | | |
| 9 | Transmission | 336.7.b | 392,995 | TP 1.00000 | 392,995 |
| 10 | General & Intangible | 336.10.f & 336.1.f | 99,731 | W/S 0.12500 | 12,466 |
| 11 | Common | 336.11.b | 0 | CE 0.00000 | 0 |
| 12 | TOTAL DEPRECIATION (sum lines 9 - 11) | | 492,726 | | 405,461 |
| TAXES OTHER THAN INCOME TAXES (Note J) | | | | | |
| LABOR RELATED | | | | | |
| 13 | Payroll | 263.i | 0 | W/S 0.12500 | 0 |
| 14 | Highway and vehicle | 263.i | 0 | W/S 0.12500 | 0 |
| PLANT RELATED | | | | | |
| 16 | Property | 263.i | 22,553 | GP 0.93324 | 21,047 |
| 17 | Gross Receipts | 263.i | 0 | NA zero | 0 |
| 18 | Other | 263.i | 275 | GP 0.93324 | 257 |
| 19 | Payments in lieu of taxes | | 0 | GP 0.93324 | 0 |
| 20 | TOTAL OTHER TAXES (sum lines 13 - 19) | | 22,828 | | 21,304 |
| INCOME TAXES (Note K) | | | | | |
| 21 | $T=1 - \{(1 - SIT) * (1 - FIT)\} / (1 - SIT * FIT * p) =$ | | 0.00% | | |
| 22 | $CIT=(T/1-T) * (1-(WCLTD/R)) =$ where WCLTD=(page 4, line 27) and R=(page 4, line 30) and FIT, SIT & p are as given in footnote K. | | 0.00% | | |
| 23 | $1 / (1 - T) =$ (from line 21) | | 0.0000 | | |
| 24 | Amortized Investment Tax Credit (266.8.f) (enter negative) | | 0 | | |
| 24a | (Excess)/Deficient Deferred Income Taxes (Note EE) | | 0 | | |
| 24b | Tax Effect of Permanent Differences and AFUDC Equity (Note FF) | | 0 | | |
| 25 | Income Tax Calculation = line 22 * line 28 | | 0 | NA | 0 |
| 26 | ITC adjustment (line 23 * line 24) | | 0 | NP 0.87647 | 0 |
| 26a | (Excess)/Deficient Deferred Income Tax Adjustment (Line 23 * Line 24a) | | 0 | NP 0.87647 | 0 |
| 26b | Permanent Differences and AFUDC Equity Tax Adjustment (Line 23 * Line 24b) | | 0 | NP 0.87647 | 0 |
| 27 | Total Income Taxes (line 25 plus line 26 plus Line 26a and 26b) | | 0 | | 0 |
| 28 | RETURN [Rate Base (page 2, line 30) * Rate of Return (page 4, line 30)] | | 789,168 | NA | 674,609 |
| 29 | REV. REQUIREMENT (sum lines 8, 12, 20, 27, 28) | | 4,519,171 | | 2,270,837 |
| 30 | LESS ATTACHMENT GG ADJUSTMENT [Attachment GG, page 2, line 3, column 10] (Note W) [Revenue Requirement for facilities included on page 2, line 2, and also included in Attachment GG] | | 0 | | 0 |
| 30a | LESS ATTACHMENT MM ADJUSTMENT [Attachment MM, page 2, line 3, column 14] (Note Y) [Revenue Requirement for facilities included on page 2, line 2, and also included in Attachment MM] | | 0 | | 0 |
| 31 | REV. REQUIREMENT TO BE COLLECTED UNDER ATTACHMENT O (line 29 - line 30 - line 30a) | | 4,519,171 | | 2,270,837 |

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Utilizing FERC Form 1 Data

Upper Missouri Power Cooperative

SUPPORTING CALCULATIONS AND NOTES

| | | | | | | | |
|------|---|--|-------------|---------------------|---------------|------------|-------------------|
| Line | | | | | | | |
| No. | | TRANSMISSION PLANT INCLUDED IN ISO RATES | | | | | |
| 1 | Total transmission plant (page 2, line 2, column 3) | | | | | 18,464,012 | |
| 2 | Less transmission plant excluded from ISO rates (Note M) | | | | | 0 | |
| 3 | Less transmission plant included in OATT Ancillary Services (Note N) | | | | | 0 | |
| 4 | Transmission plant included in ISO rates (line 1 less lines 2 & 3) | | | | | 18,464,012 | |
| 5 | Percentage of transmission plant included in ISO Rates (line 4 divided by line 1) | | | TP= | | 1.00000 | |
| | | TRANSMISSION EXPENSES | | | | | |
| 6 | Total transmission expenses (page 3, line 1, column 3) | | | | | 877,321 | |
| 7 | Less transmission expenses included in OATT Ancillary Services (Note L) | | | | | 0 | |
| 8 | Included transmission expenses (line 6 less line 7) | | | | | 877,321 | |
| 9 | Percentage of transmission expenses after adjustment (line 8 divided by line 6) | | | | | 1.00000 | |
| 10 | Percentage of transmission plant included in ISO Rates (line 5) | | | TP | | 1.00000 | |
| 11 | Percentage of transmission expenses included in ISO Rates (line 9 times line 10) | | | TE= | | 1.00000 | |
| | | WAGES & SALARY ALLOCATOR (W&S) | | | | | |
| | | Form 1 Reference | \$ | TP | Allocation | | |
| 12 | Production | 354.20.b | 0 | 0.00 | 0 | | |
| 13 | Transmission | 354.21.b | 78,284 | 1.00 | 78,284 | | |
| 14 | Distribution | 354.23.b | 0 | 0.00 | 0 | | W&S Allocator |
| 15 | Other | 354.24, 25, 26.b | 547,988 | 0.00 | 0 | | (\$ / Allocation) |
| 16 | Total (sum lines 12-15) | | 626,272 | | 78,284 | = | 0.12500 = WS |
| | | COMMON PLANT ALLOCATOR (CE) (Note O) | | | | | |
| | | | \$ | % Electric | W&S Allocator | | |
| 17 | Electric | 200.3.c | 0 | (line 17 / line 20) | (line 16) | | CE |
| 18 | Gas | 201.3.d | 0 | 0.00000 * | 0.12500 = | | 0.00000 |
| 19 | Water | 201.3.e | 0 | | | | |
| 20 | Total (sum lines 17 - 19) | | 0 | | | | |
| | | RETURN (R) | | | | | |
| 21 | Long Term Interest (117, sum of 62.c through 67.c) | | | | | \$ | \$320,957 |
| 22 | Preferred Dividends (118.29c) (positive number) | | | | | \$ | - |
| | | Development of Common Stock: | | | | | |
| 23 | Proprietary Capital (112.16.c) | | | | | | 272,294,246 |
| 24 | Less Preferred Stock (line 28) | | | | | | 0 |
| 25 | Less Account 216.1 (112.12.c) (enter negative) | | | | | | 0 |
| 26 | Common Stock (sum lines 23-25) | | | | | | 272,294,246 |
| | | | \$ | % | Cost (Note P) | Weighted | |
| 27 | Long Term Debt (112, sum of 18.c through 21.c) | | 6,424,309 | 2% | 0.0500 | 0.0012 | =WCLTD |
| 28 | Preferred Stock (112.3.c) | | 0 | 0% | 0.0000 | 0.0000 | |
| 29 | Common Stock (line 26) | | 272,294,246 | 98% | 0.1002 | 0.0979 | |
| 30 | Total (sum lines 27-29) | | 278,718,555 | | | 0.0990 | =R |
| | | REVENUE CREDITS | | | | | |
| | | ACCOUNT 447 (SALES FOR RESALE) (310-311) (Note Q) | | | | Load | |
| 31 | a. Bundled Non-RQ Sales for Resale (311.x.h) | | | | | | 0 |
| 32 | b. Bundled Sales for Resale included in Divisor on page 1 | | | | | | 0 |
| 33 | Total of (a)-(b) | | | | | | 0 |
| 34 | ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R) | | | | | | \$0 |
| 34a | ACCOUNT 456 (OTHER ELECTRIC REVENUES) (Note GG) | | | | | | \$0 |
| | | ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U) (330.x.n) | | | | | |
| 35 | a. Transmission charges for all transmission transactions | | | | | | \$0 |
| 36 | b. Transmission charges for all transmission transactions included in Divisor on Page 1 | | | | | | \$0 |
| 36a | c. Transmission charges from Schedules associated with Attachment GG (Note X) | | | | | | \$0 |
| 36b | d. Transmission charges from Schedules associated with Attachment MM (Note Z) | | | | | | \$0 |
| 37 | Total of (a)-(b)-(c)-(d) | | | | | | \$0 |

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/20

Upper Missouri Power Cooperative

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note
Letter

- A Peak as would be reported on page 401, column d of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
 - B Labeled LF, LU, IF, IU on pages 310-311 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
 - C Labeled LF on page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
 - D Labeled LF on page 328 of Form 1 at the time of the applicable pricing zone coincident monthly peaks.
 - E The FERC's annual charges for the year assessed the Transmission Owner for service under this tariff.
 - F The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assetor liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated.
 - G Identified in Form 1 as being only transmission related. The transmission portion of page 227, Line 5 is specified in a footnote to the Form 1.
 - H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 8, column 5. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1.
 - I Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
 - J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
 - K The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/(1-T)) (page 3, line 26).
- | | | | |
|--------|-------|-------|---|
| Inputs | FIT = | 0.00% | |
| | SIT = | 0.00% | (State Income Tax Rate or Composite SIT) |
| | p = | 0.00% | (percent of federal income tax deductible for state purposes) |
- L Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1, 561.2, 561.3, and 561.BA.
 - M Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
 - N Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
 - O Enter dollar amounts
 - P Debt cost rate = long-term interest (line 21) / long term debt (line 27). Preferred cost rate = preferred dividends (line 22) / preferred outstanding (line 28). ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. A 50 basis point adder for RTO participation may be added to the ROE up to the upper end of the zone of reasonableness established by FERC.
 - Q Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1 and all other uses are to be included in the divisor.
 - R Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
 - S Grandfathered agreements whose rates have been changed to eliminate or mitigate pancaking - the revenues are included in line 4, page 1 and the loads are included in line 13, page 1. Grandfathered agreements whose rates have not been changed to eliminate or mitigate pancaking - the revenues are not included in line 4, page 1 nor are the loads included in line 13, page 1.
 - T The revenues credited on page 1, lines 2-5 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template.
 - U Account 456.1 entry shall be the annual total of the quarterly values reported at Form 1, 330.x.n.
 - V Account Nos. 561.4 and 561.8 consist of RTO expenses billed to load-serving entities and are not included in Transmission Owner revenue requirements.
 - W Pursuant to Attachment GG of the Midwest ISO Tariff, removes dollar amount of revenue requirements calculated pursuant to Attachment GG.
 - X Removes from revenue credits revenues that are distributed pursuant to Schedules associated with Attachment GG of the Midwest ISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment GG revenue requirements.
 - Y Pursuant to Attachment MM of the Midwest ISO Tariff, removes dollar amount of revenue requirements calculated pursuant to Attachment MM.
 - Z Removes from revenue credits revenues that are distributed pursuant to Schedules associated with Attachment MM of the Midwest ISO Tariff, since the Transmission Owner's Attachment O revenue requirements have already been reduced by the Attachment MM revenue requirements.
 - AA Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
 - BB Schedule 10-FERC charges should not be included in O&M recovered under this Attachment O.
 - CC Adjustments required pursuant to Section V (Changes to Annual Updates) of Attachment O. Refunds shall be entered as a negative number to reduce the net revenue requirement. Surcharges shall be entered as a positive number to increase the net revenue requirement.
 - DD Interest required pursuant to Section V (Changes to Annual Updates) of Attachment O. Interest on any refunds shall be entered as a negative number to reduce the net revenue requirement. Interest on surcharge shall be entered as a positive number to increase the net revenue requirement.
 - EE Includes the amortization of any excess/deficient deferred income taxes resulting from changes to income tax laws, income tax rates (including changes in apportionment) and other actions taken by a taxing authority. Excess and deficient deferred income taxes will reduce or increase tax expense by the amount of the excess or deficiency multiplied by (1/(1-T)) (page 3, line 26a).
 - FF Includes the annual income tax cost or benefits due to permanent differences or differences between the amount of expenses or revenues recognized in one period for ratemaking purposes and the amounts recognized for income tax purposes which do not reverse in one or more other periods, including the cost of income taxes on the Allowance for Other Funds Used During Construction. T multiplied by the amount of permanent differences and depreciation expense associated with Allowance for Other Funds Used During Construction is included in page 3, line 24b and will increase or decrease tax expense by the amount of the expense or benefit included on line 24b multiplied by (1/(1-T)) (page 3, line 26b).

Gross Transmission Plant Reporting Form

Transmission Owner Name: Upper Missouri Power Cooperative
 Rate Year: 2021

Purpose:

Per Appendix C.III.7 of the Transmission Owners Agreement (TOA), MISO is required to distribute Schedule 7 and 8 Through and Out Revenues (1) 50% in proportion to transmission investment reflected in the applicable rates determined by the Attachment O formula; and (2) 50% based upon power flows.

Item (1) above, is calculated using Gross Transmission plant reported on Attachment O, page 2, line 2, column 5 less Gross Transmission plant included in Attachments GG, MM, and ZZ page 2, column 3. MISO requests TOs complete the following brief template to clearly show the calculation of Gross Transmission plant used for Schedule 7 and 8 Through and Out Revenue distribution.

Instructions:

- Cells shaded in yellow are inputs. If a cell is not shaded yellow, please do not use it for input
- TOs with load and/or transmission assets in multiple Transmission Pricing Zones (TPZs), enter amount applicable to each TPZ on a separate line
- Enter "non-MISO" as the TPZ for transmission facilities and/or load included in Attachment O that is located outside of MISO
- Column A - enter the TO name or name abbreviation
- Column B - enter TPZ(s) where transmission assets are located (one TPZ per line)
- Column C - enter Allocated Gross Transmission Plant from Attachment O, page 2, line 2, column 5 applicable to each TPZ
- Column D - if applicable, enter total Gross Transmission Plant from Attachment GG, page 2, Column 3 for each TPZ
- Column F - enter divisor from Attach O, page 1, line 15 for each TPZ
- Column G - Enter the annual transmission revenue requirement from the Attachment O, page 1, line 7 in the shaded yellow cell .

| TO (A) | Trans Pricing Zone (B) | Allocated Gross Trans Plant (Att O, pg 2, ln 2, col 5) (C) | Gross Trans | Gross Trans | Divisor, Att O, pg 1, line 15 (F) | Ann Trans |
|-----------|---------------------------------|--|---|---|--|--|
| | | | Plant Attach GG, pg 2, total of col 3 1 (D) | Plant For Sched 7 & 8 Thru & Out Rev Distribution (E) (E) = C-D | | Revenue Req (Att O, pg 1, line 7) (G) |
| UMPC | MDU | 1,136,836 | | 1,136,836 | 45,010 | 139,816 |
| UMPC | SPP | 17,327,176 | | 17,327,176 | | 2,131,021 |
| | | | | - | | - |
| | | | | - | | - |
| | | | | - | | - |
| | | 18,464,012 | - | 18,464,012 | 45,010 | 2,270,837 |

¹ For TOs that construct a Targeted Market Efficiency Project (TMEP), please also include the TMEP Gross Trans Plant from Attach GG, page 3, column 3

Work Papers
Upper Missouri Power Cooperative

| Account | | | | | |
|---------|----------------------------------|----|------------|----|-------------------------------|
| 350 | Land & Land Rights | \$ | 263,268 | | |
| 352 | Structures & Improvements | \$ | 300,720 | | |
| 353 | Station Equipment | \$ | 17,194,844 | | |
| 355 | Poles & Fixtures - Transmission | \$ | 100,128 | | |
| 356 | Overhead Conductors | \$ | 605,052 | | |
| | | | | \$ | 18,464,012 Page 2 of 5 line 2 |
| 389 | Land & Land Rights - Gen Plant | \$ | 21,350 | | |
| 390 | Structures & Improv - Gen Plant | \$ | 1,105,919 | | |
| 391 | Office Furn & Fix - Gen Plant | \$ | 351,136 | | |
| 392 | Transportation Equipment | \$ | 46,600 | | |
| | | | | \$ | 1,525,005 Page 2 of 5 line 4 |
| | | \$ | 19,989,017 | | |
| 108.5 | Accum Depr - Trans Plant | \$ | 12,317,108 | | Page 2 of 5 line 8 |
| 108.7 | Accum Depr - Gen Plant | \$ | 514,512 | | Page 2 of 5 line 10 |
| 154 | Plant Materials (Inventory) | \$ | 156,141 | | Page 2 of 5 line 27 |
| 165.1 | Prepayments - Insurance | \$ | 41,811 | | |
| 165.2 | Prepayments - Other | \$ | 210,862 | \$ | 252,673 Page 2 of 5 line 28 |
| 562.1 | Station Exp - Transission | \$ | 15,814 | | |
| 562.2 | Station Exp - Load Monitoring | \$ | 646,170 | | |
| 570 | Maintenance of Station Equipment | \$ | 215,337 | \$ | 877,321 Page 3 line 1 |
| 403.5 | Depr Exp Transmission | \$ | 392,995 | | Page 3 line 9 |
| 403.7 | Depr Exp General Plant | \$ | 99,731 | | Page 3 line 10 |
| 408.11 | Property Tax | \$ | 22,553 | | Page 3 line 16 |
| 408.16 | ND Elec Trans Tax | \$ | 275 | | Page 3 line 18 |
| 427 | Interest on Long Term Debt | \$ | 306,326 | | |
| | | | | \$ | 306,326 Page 4 line 21 |
| 224.14 | LT Debt Basin Econ Loan | \$ | 400,000 | | |
| 224.7 | Long Term Debt - CoBank | \$ | 6,024,309 | | |
| 231 | Note Payable Current | \$ | 201,289 | \$ | 6,625,598 Page 4 line 22 |
| 920.1 | Admin & Gen Salaries | \$ | 588,633 | | |
| 920.3 | Employer FICA Tax | \$ | 36,107 | | |
| 920.4 | Fed Unemployemnt Tax | \$ | 168 | | |
| 920.5 | State Unemployment Tax | \$ | 1,364 | | |
| | | | | \$ | 626,272 Page 4 line 16 |
| | | | | \$ | 78,284 Page 4 line 13 |
| | | | | \$ | 547,988 Page 4 line 15 |

12.5% agreed upon by MDU and UMPC
See MDU Letter Tab



400 North Fourth Street
Bismarck, ND 58501

(701) 222-7900
(701) 222-7845 fax

June 24, 2017

Della Pewonka
Upper Missouri Power Cooperative
111 2nd Ave SW
Sidney, MT 59270

Re: Letter Agreement regarding MISO Attachment O-RUS W&S Allocator

Dear Ms. Pewonka:

The purpose of this "Letter Agreement" is to document the conversation that Montana-Dakota Utilities Co. (MDU) and Upper Missouri Power Cooperative (UMPC) have had regarding UMPC's and Basin Electric Power Cooperative's (BEPC) request to receive Section 30.9 Facility Credits from the MDU Midcontinent Independent System Operator (MISO) Transmission Pricing Zone.

In order to receive Section 30.9 credits for its qualifying facilities, UMPC is required to complete a MISO Attachment O-RUS. One of the inputs for the Attachment O-RUS is information to calculate a Wage & Salary Allocator (W&S). UMPC does not separately allocate its payroll wages between services it provides for the transmission facilities that it owns and the other services that it provides for its members.


By this Letter Agreement, MDU and UMPC agree that the W&S Allocator on Line 16 of Page 4 of UMPC Attachment O-RUS should be equal to '0.125' or '12.5%'.

By its signature below, UMPC agrees to the aforementioned method for calculating a W&S Allocator for its MISO Attachment O-RUS.

For Montana-Dakota Utilities Co.



Darcy Neigum
Director-System Operations & Planning

For Upper Missouri Power Cooperative


Della Pewonka
Controller

UMPC's W&S Allocator may be changed in the future upon mutual agreement of both MDU and UMPC.

Regards,


Darcy Neigum
Director - System Operations & Planning

30.9 Facilities - Upper Missouri Power Cooperative

Medora Substation

41.6 kv portion

Description

The Medora Substation contains a 230 – 60 kV portion and a 230 – 41.6 kV portion. The costs that are used in the MISO attachment O for cost recovery includes only the 230 – 41.6 kV portion of the yard. This includes the transformer and the 41.kV breakers and other miscellaneous equipment.

| | |
|--------------------------|--------------|
| Original Cost | \$689,702.00 |
| Gross Book Value | \$0.00 |
| Accumulated Depreciation | \$689,702.00 |
| Annual Depreciation | \$0.00 |
| Monthly Depreciation | \$0.00 |

Halliday Substation

41.6 kv portion

Description

The Halliday Substation contains 115 kV equipment and bay as well as a 115 – 41.6 kV portion of the substation. The costs that are used in the MISO attachment O for cost recovery includes only the 115 – 41.6 kV portion of the yard. This includes the transformer and the 41.kV breakers and other miscellaneous equipment.

| | |
|--------------------------|--------------|
| Original Cost | \$447,134.00 |
| Gross Book Value | \$37,289.00 |
| Accumulated Depreciation | \$409,845.00 |
| Annual Depreciation | \$12,296.00 |
| Monthly Depreciation | \$1,025.00 |