

Western-UGP Transmission and Ancillary Services Rate True-up Calculation

Effective January 1, 2018

2016 Rate True-up Calculation

Western-UGP

Transmission and Ancillary Services List of Workpapers and Schedules

| | |
|-----------------------------------|--|
| WAUGP-ATRR 2016 true up | ATRR -2016 actual |
| WAUGP-AS1 2016 true up | Scheduling, System Control and Dispatch Service ATRR - 2016 actual |
| FACILITY COST DETAIL 2016 true up | Facility Costs - 2016 actual |
| FACILITIES - Included per AI | Western-UGP Facilities Included per AI |
| FACILITIES - Excluded per AI | Western-UGP Facilities Excluded per AI |
| COST DATA 2016 true up | Cost Support - 2016 actual |
| WAUW-AS3 2016 true up | Regulation and Frequency Response ATRR - 2016 actual |
| WAUW-AS5&6 2016 true up | Reserves ATRR - 2016 actual |

| Western-UGP True-up Summary | | | |
|--|-------------------------------------|-----------------------------------|-----------------------------|
| Description | SPP | SPP | Western-UGP 2016 Difference |
| | January - December 2016 Estimate | January - December 2016 Actual | Annual |
| Annual Actual Gross Revenue Requirement | 145,449,367 | 148,958,523 | 3,509,156 |
| Short-Term Firm Point-to-Point Transmission Service Credit/1 | \$ (36,446) | \$ (4,722,918) | \$ (4,686,472) |
| Non-Firm Point-to-Point Transmission Service Credit | \$ (1,477,725) | \$ (529,803) | \$ 947,922 |
| Revenue from Existing Transmission Agreements | \$ (631,106) | \$ (15,145) | \$ 615,961 |
| Scheduling, System Control, and Dispatch Service Credit | \$ (12,218,940) | \$ (\$11,777,630) | \$ 441,310 |
| Account No. 454 | \$ (54,722) | \$ (108,162) | \$ (53,440) |
| Total Revenue Credits | \$ (14,418,939) | \$ (17,153,658) | \$ (2,734,719) |
| Prior Year True Up | \$ 7,294,940 | \$ 7,294,940 | \$ - |
| 2016 Net Revenue Requirement | 138,325,368 | 139,099,805 | \$ 774,437 |
| Network Revenue | \$ (138,325,368) | \$ (138,904,451) | \$ (579,083) |
| Total 2016 True-up (to WAUGP-ATRR 2018 est) | \$ - | \$ 195,354 | \$ 195,354 |
| | | | |
| 2016 Actual SSCD Revenue Requirement | | \$ 11,316,099 | |
| 2016 Revenue received for SSCD service/2 | | \$ (13,604,351) | |
| Total true-up to include in 2018 estimate (to WAUGP-AS1 2018 est, Line 13) | | \$ (2,288,252) | |
| | | | |
| 2016 Actual Regulation & Frequency Response Revenue Requirement | | \$ 252,791 | |
| 2016 Revenue received (Western-UGP Ancillary Billing Summary) | | \$ (308,284) | |
| Total true-up to include in 2018 estimate (to WAUW-AS3 2018 est, Line 6) | | \$ (55,493) | |
| | | | |
| 2016 Actual Reserves Revenue Requirement | | \$ 209,256 | |
| 2016 Revenue received (Western-UGP Ancillary Billing Summary) | | \$ (236,842) | |
| Total true-up to include in 2018 estimate (to WAUW-AS3 2018 est, Line 6) | | \$ (27,586) | |
| 1/ Short-Term Firm Point-to-Point Transmission Service Credit reduced by Z2 claw-back total for 2016 | | | |
| 2/ 2016 SSCD revenue includes \$460 additional received during 2015 and not included in the 2015 true-up | | | |

| Line No. | (1) | REFERENCE (2) | COMPANY TOTAL (3) | | ALLOCATOR (4) | TRANSMISSION ALLOCATED AMOUNT (5) |
|----------|--|--|-------------------|---------|---------------|-----------------------------------|
| 1 | GROSS REVENUE REQUIREMENT | (line 76) | | | | \$ 148,958,523 |
| 2 | REVENUE CREDITS | (Note R) | | | | |
| 3 | Short-Term Firm Point-to-Point Transmission Service Credit | | 4,722,918 | NA | 1.00000 | 4,722,918 |
| 4 | Non-Firm Point-to-Point Transmission Service Credit | | 529,803 | NA | 1.00000 | 529,803 |
| 5 | Revenue from Existing Transmission Agreements | | 15,145 | NA | 1.00000 | 15,145 |
| 6 | Scheduling, System Control, and Dispatch Service Credit | | 11,316,099 | NA | 1.00000 | 11,316,099 |
| 7 | Account No. 454 | (line 115) | 108,162 | TP | 1.00000 | 108,162 |
| 8 | Account No. 456 | (line 119) | 0 | TP | 1.00000 | 0 |
| 9 | TOTAL REVENUE CREDITS | | | | | 16,692,127 |
| 10 | PRIOR PERIOD TRUE-UP | | | | | 7,294,940 |
| 11 | Portion of ATRR eligible for SPP region-wide cost sharing | | | | | 0 |
| 11 | NET REVENUE REQUIREMENT | (line 1 - line 8 + line 9 + line 10) | | | | \$ 139,561,336 |
| | RATE BASE: | | | | | (Col 3 times Col 4) |
| 12 | GROSS PLANT IN SERVICE | (Note A) | | | | |
| 13 | Production | Schedule 1A Total | 1,006,874,914 | NA | | |
| 14 | Transmission | Schedule 1A Total | 1,337,894,994 | TP | 1.00000 | 1,337,894,994 |
| 15 | Distribution | Schedule 1A Total | 43,691,476 | NA | | |
| 16 | General & Intangible | Bal Sheet - Other Assets - SGL | | | | |
| 17 | Common | 175002 | 0 | W/S | 1.00000 | 0 |
| 18 | TOTAL GROSS PLANT | (sum lines 12 to 16) | 2,388,461,385 | GP= | 56.015% | 1,337,894,994 |
| 19 | ACCUMULATED DEPRECIATION | | | | | |
| 20 | Production | Schedule 4 | 561,057,991 | NA | | |
| 21 | Transmission | Schedule 4 | 648,488,086 | TP | 1.00000 | 648,488,086 |
| 22 | Distribution | Schedule 4 | 20,991,392 | NA | | |
| 23 | General & Intangible | Bal Sheet - Other Assets - SGL | | | | |
| 24 | Common | 175902 | 0 | W/S | 1.00000 | 0 |
| 25 | TOTAL ACCUM. DEPRECIATION | (sum lines 18 to 22) | 1,230,537,468 | CE | 0.00000 | 0 |
| 26 | NET PLANT IN SERVICE | | | | | 648,488,086 |
| 27 | Production | (line 12 - line 18) | 445,816,924 | | | |
| 28 | Transmission | (line 13 - line 19) | 689,406,909 | | | 689,406,909 |
| 29 | Distribution | (line 14 - line 20) | 22,700,084 | | | |
| 30 | General & Intangible | (line 15 - line 21) | 0 | | | 0 |
| 31 | Common | (line 16 - line 22) | 0 | | | 0 |
| 32 | TOTAL NET PLANT | (sum lines 24 to 28) | 1,157,923,917 | NP= | 59.538% | 689,406,909 |
| 33 | ADJUSTMENTS TO RATE BASE | (Note B) | | | | |
| 34 | Account No. 281 | (enter negative) | 0 | | 0.00000 | 0 |
| 35 | Account No. 282 | (enter negative) | 0 | NP | 0.59538 | 0 |
| 36 | Account No. 283 | (enter negative) | 0 | NP | 0.59538 | 0 |
| 37 | Account No. 190 | | 0 | NP | 0.59538 | 0 |
| 38 | Account No. 255 | (enter negative) | 0 | NP | 0.59538 | 0 |
| 39 | TOTAL ADJUSTMENTS | (sum lines 30 to 34) | 0 | | | 0 |
| 40 | LAND HELD FOR FUTURE USE | (Note C) | 0 | TP | 1.00000 | 0 |
| 41 | WORKING CAPITAL | (Note D) | | | | |
| 42 | CWC | calculated | 23,116,216 | | | 0 |
| 43 | Materials & Supplies | Bal Sheet - Other Assets - SGL | | | | |
| 44 | Prepayments | 151191 (Note C) | 0 | TE | 0.00000 | 0 |
| 45 | TOTAL WORKING CAPITAL | Bal Sheet Other Assets | 0 | GP | 0.56015 | 0 |
| 46 | RATE BASE | (sum lines 37 to 39) | 23,116,216 | | | 0 |
| 47 | | (sum lines 29, 35, 36, 40) | 1,181,040,133 | | | 689,406,909 |
| 48 | O&M | | | | | |
| 49 | Transmission | Schedule 11 (Note E) | | | | |
| 50 | Western-UGP | | 67,633,375 | PTP/UGP | 0.95296 | 64,452,070 |
| 51 | Western-RMR | | 46,472,157 | PTP/RMR | 0.00940 | 436,909 |
| 52 | COE | COE Financial Stmt | 46,357,568 | PTP/COE | 0.06972 | 3,232,019 |
| 53 | Less Account 565 | (Note E) | | NA | 1.00000 | 0 |
| 54 | A&G | Schedule 11 (Note F) | | | | |
| 55 | Western-UGP | | 17,344,215 | PTP/UGP | 0.95296 | 16,528,386 |
| 56 | Western-RMR | | 7,122,416 | PTP/RMR | 0.00940 | 66,962 |
| 57 | Less FERC Annual Fees | | 0 | W/S | 1.00000 | 0 |
| 58 | Less EPRI & Reg. Comm. Exp. & Non-safety Ad | (Note G) | 0 | W/S | 1.00000 | 0 |
| 59 | Plus Transmission Related Reg. Comm. Exp | (Note G) | 0 | TE | 0.00000 | 0 |
| 60 | Common | | 0 | CE | 0.00000 | 0 |
| 61 | Transmission Lease Payments | | 0 | NA | 1.00000 | 0 |
| 62 | TOTAL O&M | (sum lines 42, 43, 44, 46, 47, 50, 51 less 45, 48, 49) | 184,929,730 | | | 84,716,346 |
| 63 | DEPRECIATION EXPENSE | | | | | |
| 64 | Transmission | Schedule 4 | | | | |
| 65 | Western-UGP | | 30,654,828 | PTP/UGP | 0.95296 | 29,212,901 |
| 66 | Western-RMR | | 18,424,185 | PTP/RMR | 0.00940 | 173,216 |
| 67 | COE | | 12,032,095 | PTP/COE | 0.06972 | 838,870 |
| 68 | General | | 0 | W/S | 1.00000 | 0 |
| 69 | Common | | 0 | CE | 0.00000 | 0 |
| 70 | TOTAL DEPRECIATION | (sum lines 54 to 59) | 61,111,107 | | | 30,224,986 |
| 71 | TAXES OTHER THAN INCOME TAXES | (Note H) | | | | |
| 72 | LABOR RELATED | | | | | |
| 73 | Payroll | | 0 | W/S | 1.00000 | 0 |
| 74 | Highway and vehicle | | 0 | W/S | 1.00000 | 0 |
| 75 | PLANT RELATED | | | | | |
| 76 | Property | | 0 | GP | 0.56015 | 0 |
| 77 | Gross Receipts | | 0 | | 0.00000 | 0 |
| 78 | Other | | 0 | GP | 0.56015 | 0 |
| 79 | Payments in lieu of taxes | | 0 | GP | 0.56015 | 0 |
| 80 | TOTAL OTHER TAXES | (sum lines 61 to 66) | 0 | | | 0 |
| 81 | INCOME TAXES | (Note I) | | | | |
| 82 | T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) = | | 0.00% | NA | | |
| 83 | CIT=(T/(1-T) * (1-(WCLTD/R))) = | | 0.00% | | | |
| 84 | where WCLTD= (line 107) and R= (line 109) and FIT, SIT & p are as given in footnote I. | | | | | |
| 85 | 1 / (1 - T) = (from line 68) | | 0.0000 | | | |
| 86 | Amortized Investment Tax Credit | (enter negative) | 0 | | | 0 |
| 87 | Income Tax Calculation | (line 69 * line 75) | 0 | NA | | 0 |
| 88 | ITC adjustment | (line 70 * line 71) | 0 | NP | 0.59538 | 0 |
| 89 | Total Income Taxes | (line 72 + line 73) | 0 | | | 0 |
| 90 | RETURN [Rate Base * Rate of Return] | (line 41 * line 106) | 58,275,696 | NA | | 34,017,191 |
| 91 | REV. REQUIREMENT | (sum lines 53, 60, 67, 74, 75) | 304,316,534 | | | 148,958,523 |

| SUPPORTING CALCULATIONS AND NOTES | | | | | | | | | |
|---|--|---|---------------|---|-----------------------|---------------------------------|---|---------------|-------------------|
| TRANSMISSION PLANT INCLUDED IN UMGZ RATES | | | | | | | | | |
| 77 | Total transmission plant | (line 13, column 3) | | | | | | 1,337,894,994 | |
| 78 | Less transmission plant excluded from UMGZ rates | (Note K) | | | | | | 0 | |
| 79 | Less transmission plant included in OATT Ancillary Services | (Note L) | | | | | | 0 | |
| 80 | Transmission plant included in IS rates | (line 77 less line 78 and 79) | | | | | | 1,337,894,994 | |
| 81 | Percentage of transmission plant included in UMGZ Rates | (line 80 / line 77) | | | | TP= | | 1.00000 | |
| TRANSMISSION EXPENSES | | | | | | | | | |
| 82 | Total transmission expenses | (sum lines 42 to 44, column 3) | | | | | | 0 | |
| 83 | Less transmission expenses included in OATT Ancillary Services | (Note J) | | | | | | 0 | |
| 84 | Included transmission expenses | (line 82 - line 83) | | | | | | 0 | |
| 85 | Percentage of transmission expenses after adjustment (line 8 divided by line 6) | (line 84 / line 82) | | | | | | 0.00000 | |
| 86 | Percentage of transmission plant included in UMGZ Rates | (line 81) | | | | TP | | 1.00000 | |
| 87 | Percentage of transmission expenses included in UMGZ Rates | (line 86 * line 85) | | | | TE= | | 0.00000 | |
| WAGES & SALARY ALLOCATOR (W&S) | | | | | | | | | |
| | | | \$ | | TP | Allocation | | | |
| 88 | Production | | 0 | 0.00 | | 0 | | | |
| 89 | Transmission | | 21,862,792 | 1.00 | | 21,862,792 | | | |
| 90 | Distribution | | 0 | 0.00 | | 0 | | | W&S Allocator |
| 91 | Other | | 0 | 0.00 | | 0 | | | (\$ / Allocation) |
| 92 | Total | (sum lines 88 to 91) | 21,862,792 | | | 21,862,792 | = | | 1.00000 |
| PERCENTAGE OF TOTAL PLANT ALLOCATOR PTP | | | | | | | | | |
| | | | \$ | | | | | | |
| 93 | Transmission Plant in Service Western-UGP | | 1,256,484,013 | | | | | | |
| 94 | Total Plant in Service Western-UGP | | 1,318,503,106 | | | | | | |
| 95 | UGP Percentage of Transmission Plant to Total Plant | (line 93 / line 94) | | | | PTP/UGP | = | | 0.95296 |
| 96 | Transmission Plant in Service Western-RMR | | 7,324,885 | | | | | | |
| 97 | Total Plant in Service Western-RMR | | 779,116,202 | | | | | | |
| 98 | RMR Percentage of Transmission Plant to Total Plant | (line 96 / line 97) | | | | PTP/RMR | = | | 0.00940 |
| 99 | Transmission Plant in Service COE | | 74,086,097 | | | | | | |
| 100 | Total Plant in Service COE | | 1,062,633,395 | | | | | | |
| 101 | COE Percentage of Transmission Plant to Total Plant | (line 99 / line 100) | | | | PTP/COE | = | | 0.06972 |
| COMMON PLANT ALLOCATOR (CE) | | | | | | | | | |
| | | | \$ | | % Electric | | | Labor Ratio = | CE |
| 102 | Electric | | 0 | | (line 102 / line 105) | | | (line 92) | 0.00000 |
| 103 | Gas | | 0 | | 0.00000 | * | | 1.00000 | |
| 104 | Water | | 0 | | | | | | |
| 105 | Total | (sum lines 102 to 104) | 0 | | | | | | |
| RETURN (R) | | | | | | | | | |
| 106 | Long Term Interest Schedule 5 | | \$42,108,336 | | | | | | |
| | | | \$ | | % | Cost (Note O) | | Weighted | =WCLTD |
| 107 | Long Term Debt | HFD Sch's 21RX & 21X Col 8 Lines 23,25,26,29,30 | 853,385,510 | 100% | | 0.0493 | | 0.0493 | =R |
| 108 | Proprietary Capital | | 0 | 0% | | 0.1238 | | 0.0000 | |
| 109 | Total (sum lines 107 to 108) | (sum lines 107 to 108) | 853,385,510 | 100% | | | | 0.0493 | |
| 110 | | | | | | Proprietary Capital Cost Rate = | | 12.38% | |
| 111 | | | | | | TIER = | | 1.00 | |
| REVENUE CREDITS | | | | | | | | | |
| ACCOUNT 447 (SALES FOR RESALE) | | | | | | | | | |
| 112 | a. Bundled Non-RQ Sales for Resale | (Note P) | | | | | | 0 | |
| 113 | b. Bundled Sales for Resale included in Divisor on page 1 | | | | | | | 0 | |
| 114 | Total of (a)-(b) | | | | | | | 0 | |
| 115 | ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) | (Note Q) | | | | | | 108,162 | |
| 116 | ACCOUNT 456 (OTHER ELECTRIC REVENUES) | | | | | | | 0 | |
| 117 | a. Transmission charges for all transmission transactions | | | | | | | 0 | |
| 118 | b. Transmission charges for all transmission transactions included in Divisor on page 1 | | | | | | | 0 | |
| 119 | Total of (a)-(b) | | | | | | | 0 | |
| Note Letter | General Note: References to Results of Operations in this revenue requirement template indicate the Financial Statement Results of Operations (ROOs) Schedule where data is located. To the extent the references to ROOs data are missing, the entity will include a "Notes" section to provide this data. | | | | | | | | |
| A | Combines plant data for both the Western-Upper Great Plains Region (Western-UGP) and Western-Rocky Mountain Region (Western-RMR). | | | | | | | | |
| B | Does not apply to Western. For others, the balances in Accounts 190, 281, 282 and 283, as adjusted by any contra accounts identified as regulatory assets amounts in or 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. | | | | | | | | |
| C | Transmission related only. | | | | | | | | |
| D | Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at line 53 column 5. Prepayments are the electric related prepayments booked to Account No. 165 and reported in the Other Assets Section of the Balance Sheet. | | | | | | | | |
| E | For O&M Expense, Calculated as Total O&M from Results of Operations less Purchase Power, Transmission Service Provided by Others (FERC 565), O&M Expense Fort Peck Powerhouse, Prior Year Adjustments, A&G Expense from Schedule 11, plus CME and Warehouse Interest from Schedule 5. Depreciation Expense from Results of Operations Schedule 4. | | | | | | | | |
| F | Totals of Results of Operations Schedule 11A Object Classes 1411, 1412, 1415, 1416, 1421, 1422, 1425, 1426, 1431, 1432, 1441, 1442. | | | | | | | | |
| G | Line 49 - EPRI Annual Membership Dues, all Regulatory Commission Expenses, and non-safety related advertising. Line 50 - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting. | | | | | | | | |
| H | 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. | | | | | | | | |
| I | Western is not subject to Federal or State Income Tax. | | | | | | | | |
| | Inputs Required: | | | | | | | | |
| | | 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) | | | | | |
| J | Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Acct No. 561. Western does not include transmission expenses in ancillary service rates. | | | | | | | | |
| K | Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until RUS 12 balances are adjusted to reflect application of seven-factor test). | | | | | | | | |
| L | Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be 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. | | | | | | | | |
| M | Percentage of Total Plant Allocators are developed separately for Western-UGP and Western-RMR to allocate O&M, A&G, and Depreciation Expenses between Transmission and Generation. | | | | | | | | |
| N | Western does not have Common Plant. | | | | | | | | |
| O | Debt cost rate = long-term interest (line 106) / long term debt (line 107). The Proprietary Capital Cost rate is implicit, a residual calculation after TIER is determined. TIER will be supported in the filing and no change in TIER may be made absent a filing with the ISO and the FERC, if the entity is under FERC's jurisdiction. | | | | | | | | |
| P | Line 112 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456 and all other uses are to be included in the divisor. | | | | | | | | |
| Q | Includes income related only to transmission facilities, such as pole attachments, rentals and special use. | | | | | | | | |
| R | The revenues credited in lines 2-5 shall include only the amounts received directly reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Revenue Requirement Template. | | | | | | | | |

Western-UGP 2016 Actual

Scheduling, System Control and Dispatch Service

| Line No. | DESCRIPTION (1) | SSCD (2) | REFERENCE (3) |
|----------|--|--------------|--|
| 1 | A. Operation and Maintenance Expense | \$11,068,743 | O&M Expenses Worksheet |
| 2 | B. A&G Expense | \$150,549 | A&G Expenses Worksheet |
| 3 | C. Depreciation Expense | \$266,086 | Depreciation Expense Worksheet |
| 4 | D. Taxes Other than Income Taxes for Transmission | \$0 | Not Applicable |
| 5 | E. Allocation of General Plant | \$0 | No General Plant identified at this time, all plant is identified as either generation or transmission related |
| 6 | F. Cost of Capital | | |
| 7 | Weighted Transmission Composite Interest Rate | 4.915% | Cost of Capital Worksheet |
| 8 | Net Plant Investment | \$5,946,130 | |
| 9 | Cost of Capital | \$292,252 | L7*L8 |
| 10 | H. Revenue Requirement | | |
| 11 | Annual Western-UGPR Cost | \$11,777,630 | L1+L2+L3+L13 |
| 12 | SSCD Revenue from non-Transmission Facilities | \$461,531 | |
| 13 | Revenue Requirement for SSCD for Transmission Facilities | \$11,316,099 | L11-L12 |

Western-UGP
2016 Actual Facility Costs

| Line No. | | FID | DESCRIPTION | FY2016 FACILITY | |
|----------|----|---------|-------------------------------------|-----------------|------------------------|
| | | | | TOTALS (\$) | FY2016 SPP TOTALS (\$) |
| 1 | TL | AUR BR | AURORA- BROOKINGS 115-KV T/L | 133,158 | 133,158 |
| 2 | TL | AUR FL | AURORA-FLANDREAU 115-KV T/L | 96,623 | 96,623 |
| 3 | TL | BK HET | BAKER-HETTINGER | 459,778 | 459,778 |
| 4 | TL | BU GA | BEULAH-GARRISON | 351,685 | 351,685 |
| 5 | TL | BS GH | BISMARCK-GLENHAM | 5,076,897 | 5,076,897 |
| 6 | TL | BS JT 1 | BISMARCK-JAMESTOWN NO. 1 | 7,067,948 | 7,067,948 |
| 7 | TL | BS JT 2 | BISMARCK-JAMESTOWN NO. 2 | 4,229,572 | 4,229,572 |
| 8 | TL | BS MDR | BISMARCK-MEDORA | 8,861,683 | 8,861,683 |
| 9 | TL | BR SF | BROOKINGS-SIOUX FALLS | 2,067,611 | 2,067,611 |
| 10 | TL | BR WT 1 | BROOKINGS-WATERTOWN NO. 1 | 1,718,240 | 1,718,240 |
| 11 | TL | BR WT 2 | BROOKINGS-WATERTOWN NO. 2 | 3,318,558 | 3,318,558 |
| 12 | TL | BR WHT | BROOKINGS-WHITE 115/230KV | 2,952,237 | 2,952,237 |
| 13 | TL | CF EH A | CANYON FERRY-EAST HELENA "A" | 141,044 | 141,044 |
| 14 | TL | CF EH B | CANYON FERRY-EAST HELENA "B" | 141,044 | 141,044 |
| 15 | TL | CA JT | CARRINGTON-JAMESTOWN | 1,259,668 | 1,259,668 |
| 16 | TL | WC BU | CHARLIE CREEK - WATFORD CITY | 13,451,446 | 13,451,446 |
| 17 | TL | CCRBEF | CHARLIE CREEK-BELFIELD | 14,513,308 | 14,513,308 |
| 18 | TL | CONSH2 | CONRAD-SHELBY #2 | 5,804,318 | 5,804,318 |
| 19 | TL | CS MY | CRESTON-MARYVILLE | 1,366,481 | 1,366,481 |
| 20 | TL | DC MC | DAWSON COUNTY - MILES CITY | 2,605,678 | 2,605,678 |
| 21 | TL | DC GL | DAWSON-GLENDIVE | 553,800 | 553,800 |
| 22 | TL | DC MDR | DAWSON-MEDORA | 3,026,142 | 3,026,142 |
| 23 | TL | DC OF | DAWSON-O'FALLON CREEK | 918,676 | 918,676 |
| 24 | TL | DC WN | DAWSON-WILLISTON | 1,258,900 | 1,258,900 |
| 25 | TL | DN CS | DENISON-CRESTON | 20,977,731 | 20,977,731 |
| 26 | TL | DL CA | DEVILS LAKE-CARRINGTON | 7,671,712 | 7,671,712 |
| 27 | TL | DL LA | DEVILS LAKE-LAKOTA | 1,872,142 | 1,872,142 |
| 28 | TL | ED FO | EDGELEY-FORMAN | 375,316 | 375,316 |
| 29 | TL | ED GR | EDGELEY-GROTON | 771,572 | 771,572 |
| 30 | TL | ELCMA | ELK CREEK-NEWELL-MAURINE 115-kV T/L | 60,704 | 60,704 |
| 31 | TL | FA GK | FARGO-GRAND FORKS | 2,369,098 | 2,369,098 |
| 32 | TL | FA MO | FARGO-MORRIS | 7,305,876 | 7,305,876 |
| 33 | TL | FO SU D | FORMAN-SUMMIT (BISMARCK) | 922,098 | 922,098 |
| 34 | TL | FO SU C | FORMAN-SUMMIT (HURON) | 3,440,115 | 3,440,115 |

| | | | | | |
|----|----|---------|--------------------------------|------------|------------|
| 35 | TL | FP DC 1 | FORT PECK-DAWSON 1 | 363,285 | 363,285 |
| 36 | TL | FP DC 2 | FORT PECK-DAWSON 2 | 8,301,710 | 8,301,710 |
| 37 | TL | FP HV | FORT PECK-HAVRE | 28,806,330 | 28,806,330 |
| 38 | TL | FP WH | FORT PECK-WHATELY | 157,876 | 157,876 |
| 39 | TL | FP WN | FORT PECK-WILLISTON | 10,096,097 | 10,096,097 |
| 40 | TL | FP WP 2 | FORT PECK-WOLF POINT #2 | 7,554,492 | 7,554,492 |
| 41 | TL | FR FT D | FORT RANDALL-FORT THOMPSON 1&2 | 7,782,247 | 7,782,247 |
| 42 | TL | FR GP | FORT RANDALL-GAVIN'S POINT | 2,262,949 | 2,262,949 |
| 43 | TL | FR GY | FORT RANDALL-GREGORY | 777,327 | 777,327 |
| 44 | TL | FR MV | FORT RANDALL-MT VERNON | 967,828 | 967,828 |
| 45 | TL | FR ON | FORT RANDALL-O'NEILL | 679,540 | 679,540 |
| 46 | TL | FR SC D | FORT RANDALL-SIOUX CITY 1&2 | 11,019,006 | 11,019,006 |
| 47 | TL | FT GI | FORT THOMPSON-GRAND ISLAND | 16,397,505 | 16,397,505 |
| 48 | TL | FT HU D | FORT THOMPSON-HURON 230-KV 1&2 | 6,788,951 | 6,788,951 |
| 49 | TL | FT SF D | FORT THOMPSON-SIOUX FALLS 1&2 | 10,455,917 | 10,455,917 |
| 50 | TL | GA BS D | GARRISON-BISMARCK 230KV 1&2 | 6,991,140 | 6,991,140 |
| 51 | TL | GA JT | GARRISON-JAMESTOWN | 4,760,328 | 4,760,328 |
| 52 | TL | GA ML | GARRISON-MALLARD | 1,993,083 | 1,993,083 |
| 53 | TL | GA WJ | GARRISON-WM. J. NEAL | 1,540,944 | 1,540,944 |
| 54 | TL | GP BN | GAVINS POINT-BELDEN | 455,727 | 455,727 |
| 55 | TL | GP SF | GAVINS POINT-SIOUX FALLS | 2,782,330 | 2,782,330 |
| 56 | TL | GF MO | GRANITE FALLS- MORRIS | 3,279,089 | 3,279,089 |
| 57 | TL | GF MNV | GRANITE FALLS-MINNESOTA VALLEY | 156,778 | 156,778 |
| 58 | TL | GTFCON | GREAT FALLS-CONRAD | 12,744,945 | 12,744,945 |
| 59 | TL | GY MS | GREGORY-MISSION | 10,144,327 | 10,144,327 |
| 60 | TL | GR HU | GROTON-HURON | 1,212,199 | 1,212,199 |
| 61 | TL | GR SU | GROTON-SUMMIT | 3,255,847 | 3,255,847 |
| 62 | TL | HV RB | HAVRE-RAINBOW | 8,681,332 | 8,681,332 |
| 63 | TL | HV SH2 | HAVRE-SHELBY#2 | 5,561,905 | 5,561,905 |
| 64 | TL | HE DV | HESKETT-DEVAUL | 3,647,666 | 3,647,666 |
| 65 | TL | HETNU | HETTINGER-NEW UNDERWOOD | 11,263,708 | 11,263,708 |
| 66 | TL | HU MV | HURON-MT VERNON | 617,623 | 617,623 |
| 67 | TL | HU WT D | HURON-WATERTOWN 230KV 1&3 | 6,319,622 | 6,319,622 |
| 68 | TL | JT ED | JAMESTOWN-EDGELEY | 324,360 | 324,360 |
| 69 | TL | JT FA 1 | JAMESTOWN-FARGO NO. 1 | 4,941,649 | 4,941,649 |
| 70 | TL | JT FA 2 | JAMESTOWN-FARGO NO. 2 | 3,155,850 | 3,155,850 |
| 71 | TL | JT GK | JAMESTOWN-GRAND FORKS | 26,295,922 | 26,295,922 |
| 72 | TL | JT VC | JAMESTOWN-VALLEY CITY | 1,055,414 | 1,055,414 |
| 73 | TL | LE DL | LEEDS-DEVILS LAKE | 8,982,948 | 8,982,948 |
| 74 | TL | LE RL | LEEDS-ROLLA | 3,762,722 | 3,762,722 |
| 75 | TL | ML RG | MALLARD-RUGBY | 1,089,083 | 1,089,083 |

| | | | | | |
|-----|----|---------|---|------------|------------|
| 76 | TL | MR MS | MARTIN-MISSION | 1,840,716 | 1,840,716 |
| 77 | TL | MR PL | MARTIN-PHILIP | 1,790,108 | 1,790,108 |
| 78 | TL | MA RC | MAURINE-RAPID CITY | 6,346,265 | 6,346,265 |
| 79 | TL | MC BK | MILES CITY-BAKER | 10,569,338 | 10,569,338 |
| 80 | TL | MC CU | MILES CITY-CUSTER | 3,750,704 | 3,750,704 |
| 81 | TL | NU PL | NEW UNDERWOOD-PHILIP | 2,915,316 | 2,915,316 |
| 82 | TL | NU RC 1 | NEW UNDERWOOD-RAPID CITY NO. 1 | 1,132,486 | 1,132,486 |
| 83 | TL | NU RC 2 | NEW UNDERWOOD-RAPID CITY NO. 2 | 309,991 | 309,991 |
| 84 | TL | NU SG C | NEW UNDERWOOD-STEGALL (HURON) | 2,651,860 | 2,651,860 |
| 85 | TL | OA FT N | OAHE-FORT THOMPSON 230KV 1&2 | 3,973,416 | 3,973,416 |
| 86 | TL | OA FT S | OAHE-FORT THOMPSON 230KV 3&4 | 5,563,296 | 5,563,296 |
| 87 | TL | OA GH | OAHE-GLENHAM | 5,949,648 | 5,949,648 |
| 88 | TL | OA MA | OAHE-MAURINE | 1,967,901 | 1,967,901 |
| 89 | TL | OA NU | OAHE-NEW UNDERWOOD | 6,683,770 | 6,683,770 |
| 90 | TL | OA PI | OAHE-PIERRE | 388,816 | 388,816 |
| 91 | TL | OF MC | O'FALLON CREEK-MILES CITY | 2,488,318 | 2,488,318 |
| 92 | TL | PI PL | PIERRE-PHILIP | 2,140,436 | 2,140,436 |
| 93 | TL | ELCRC | RAPID CITY-ELK CREEK 115-kV T/L | 52,064 | 52,064 |
| 94 | TL | RG LE | RUGBY-LEEDS | 2,235,655 | 2,235,655 |
| 95 | TL | SH SH2 | SHELBY-SHELBY #2 | 576,090 | 576,090 |
| 96 | TL | SC DN | SIOUX CITY-DENISON | 4,505,781 | 4,505,781 |
| 97 | TL | SC SP | SIOUX CITY-SPENCER | 1,938,353 | 1,938,353 |
| 98 | TL | SC SF | SIOUX FALLS- SIOUX CITY | 3,217,192 | 3,217,192 |
| 99 | TL | SF VFO | SIOUX FALLS-VIRGIL FODNESS 230KV T-LINE | 277,897 | 277,897 |
| 100 | TL | SU WT | SUMMIT-WATERTOWN | 6,743,203 | 6,743,203 |
| 101 | TL | TT TI | TIBER TAP-TIBER | 1,084,858 | 1,084,858 |
| 102 | TL | UJ SF | UTICA JCT-SIOUX FALLS | 3,485,236 | 3,485,236 |
| 103 | TL | VC FO | VALLEY CITY-FORMAN | 1,527,895 | 1,527,895 |
| 104 | TL | VR GTF | VERONA GREAT FALLS 161-kV LINE | 5,110,115 | 5,110,115 |
| 105 | TL | UJ VFO | VIRGIL FODNESS-UTICA JUNCTION-FT RANDALL/RASMUS | 312,931 | 312,931 |
| 106 | TL | WT GF D | WATERTOWN-GRANITE FALLS 1&2 | 7,488,154 | 7,488,154 |
| 107 | TL | WT SC | WATERTOWN-SIOUX CITY | 26,924,889 | 26,924,889 |
| 108 | TL | WC BU | WATFORD CITY-BEULAH | 313,380 | 313,380 |
| 109 | TL | WN WC | WILLISTON-WATFORD CITY | 17,627,868 | 17,627,868 |
| 110 | TL | WP CR | WOLF POINT-CIRCLE | 8,867,960 | 8,867,960 |
| 111 | TL | WJ RG | WM. J. NEAL-RUGBY | 4,629,316 | 4,629,316 |
| 112 | TL | YT CU | YELLOWTAIL-CUSTER | 2,265,163 | 2,265,163 |

| | | | | | |
|-----|-----------------|-----|--------------------------------------|--------------------|--------------------|
| 113 | TL Total | | TRANSMISSION LINES | 534,214,845 | 534,214,845 |
| 114 | SUB | AN | ANITA | 6,259 | 6,259 |
| 115 | SUB | APD | APPELDORN SUBSTATION | 5,878,984 | 5,878,984 |
| 116 | SUB | AR | ARMOUR SUBSTATION | 2,278,492 | 1,491,468 |
| 117 | SUB | AHS | ASH SUBSTATION | 63,325 | 63,325 |
| 118 | SUB | AB | ASSINNIBOINE | 35,005 | 0 |
| 119 | SUB | AUR | AURORA SUBSTATION | 2,899,881 | 2,775,537 |
| 120 | SUB | BK | BAKER | 280,629 | 280,629 |
| 121 | SUB | BN | BELDEN SUBSTATION | 164,986 | 164,986 |
| 122 | SUB | BEF | BELFIELD SUBSTATION | 13,779,308 | 13,615,472 |
| 123 | SUB | BE | BERESFORD SUBSTATION | 4,706,447 | 4,475,954 |
| 124 | SUB | BB | BISBEE SUBSTATION | 272,529 | 54,755 |
| 125 | SUB | BS | BISMARCK SUBSTATION | 16,718,172 | 16,537,467 |
| 126 | SUB | BI | BISON | 12,472 | 12,472 |
| 127 | SUB | BOL | BOLE SUB | 3,019,775 | 2,382,334 |
| 128 | SUB | BO | BONESTEEL SUBSTATION | 3,398,446 | 2,171,823 |
| 129 | SUB | BR | BROOKINGS SUBSTATION | 4,460,377 | 4,460,377 |
| 130 | SUB | CB | CAMPBELL COUNTY SWITCHING STATION /1 | 0 | 0 |
| 131 | SUB | CF | CANYON FERRY | 45,210 | 45,210 |
| 132 | SUB | CRP | CARPENTER SUBSTATION | 2,463,312 | 2,463,312 |
| 133 | SUB | CA | CARRINGTON SUBSTATION | 3,819,873 | 2,812,000 |
| 134 | SUB | CCR | CHARLIE CREEK | 1,376,076 | 1,376,076 |
| 135 | SUB | CR | CIRCLE SUBSTATION | 9,139,054 | 6,998,384 |
| 136 | SUB | CON | CONRAD SUB | 5,377,877 | 5,062,832 |
| 137 | SUB | CS | CRESTON SUBSTATION | 8,453,084 | 8,453,084 |
| 138 | SUB | CRO | CROSSOVER SUB | 11,176,976 | 11,176,976 |
| 139 | SUB | CQE | CULBERTSON EAST SWITCHING STATION | 2,390,851 | 2,390,851 |
| 140 | SUB | CU | CUSTER SUBSTATION | 4,633,608 | 4,287,466 |
| 141 | SUB | CT | CUSTER TRAIL SUBSTATION | 1,475,222 | - |
| 142 | SUB | DC | DAWSON COUNTY SUBSTATION | 10,551,258 | 10,548,953 |
| 143 | SUB | DNT | DENBIGH TAP | 848,872 | 739,199 |
| 144 | SUB | DN | DENISON SUBSTATION | 16,187,909 | 16,004,524 |
| 145 | SUB | DV | DEVAUL SUBSTATION | 1,654,628 | 772,357 |
| 146 | SUB | DL | DEVILS LAKE SUBSTATION | 2,918,474 | 2,836,970 |
| 147 | SUB | DK | DICKINSON | 23,704 | 23,704 |
| 148 | SUB | EJ | E. J. MANNING | 49,112 | 49,112 |
| 149 | SUB | EA | EAGLE | 66,108 | 66,108 |
| 150 | SUB | EB | EAGLE BUTTE SUBSTATION | 1,347,433 | 996,110 |
| 151 | SUB | ED | EDGELEY SUBSTATION | 6,569,979 | 5,372,857 |
| 152 | SUB | ELC | ELK CREEK SUBSTATION | 2,099,907 | 2,082,760 |

| | | | | | |
|-----|-----|-----|---------------------------------|------------|------------|
| 153 | SUB | EL | ELLENDALE SUBSTATION | 579 | - |
| 154 | SUB | ELI | ELLIOTT SWITCHING STATION | 3,121,488 | 3,079,836 |
| 155 | SUB | END | ENDERLIN TAP STATION | 749,768 | 502,345 |
| 156 | SUB | EXI | EXIRA SWITCHING STATION | 5,500,776 | 5,336,547 |
| 157 | SUB | FVW | FAIRVIEW WEST SWITCHING STATION | 4,296,873 | 4,296,873 |
| 158 | SUB | FH | FAITH SUBSTATION | 1,224,932 | 652,657 |
| 159 | SUB | FA | FARGO SUBSTATION | 25,208,645 | 25,208,645 |
| 160 | SUB | FL | FLANDREAU SUBSTATION | 4,222,330 | 4,181,895 |
| 161 | SUB | FO | FORMAN SUBSTATION | 6,217,170 | 5,795,836 |
| 162 | SUB | FTH | FORSYTH | 130,348 | 130,348 |
| 163 | SUB | FR | FORT RANDALL | 253,710 | 253,710 |
| 164 | SUB | FT2 | FORT THOMPSON #2 | 10,793,612 | 10,793,612 |
| 165 | SUB | FT | FORT THOMPSON SUBSTATION | 15,644,121 | 15,463,675 |
| 166 | SUB | GL | GLENDIVE SUBSTATION | 1,725,310 | 1,725,310 |
| 167 | SUB | GK | GRAND FORKS SUBSTATION | 10,447,494 | 10,447,494 |
| 168 | SUB | GI | GRAND ISLAND SUBSTATION | 12,413,911 | 12,413,911 |
| 169 | SUB | GRP | GRAND PRAIRIE SUBSTATION /1 | 536 | 536 |
| 170 | SUB | GF | GRANITE FALLS SUBSTATION | 23,650,839 | 21,436,755 |
| 171 | SUB | GTF | GREAT FALLS SUB | 8,439,044 | 8,439,044 |
| 172 | SUB | GY | GREGORY SUBSTATION | 1,543,285 | 1,499,533 |
| 173 | SUB | GR | GROTON SUBSTATION | 5,310,945 | 4,984,068 |
| 174 | SUB | HA | HARLEM | 98,534 | 98,534 |
| 175 | SUB | HV | HAVRE SUBSTATION | 11,822,560 | 11,760,085 |
| 176 | SUB | HBN | HEBRON SUBSTATION /1 | 0 | 0 |
| 177 | SUB | HET | HETTINGER | 10,832 | 10,832 |
| 178 | SUB | HLK | HILKEN SUBSTATION | 3,894,020 | 3,750,304 |
| 179 | SUB | HU | HURON SUBSTATION | 11,331,376 | 11,010,845 |
| 180 | SUB | JT | JAMESTOWN SUBSTATION | 18,527,159 | 16,689,485 |
| 181 | SUB | KD | KILLDEER SUBSTATION | 6,501,113 | 5,918,485 |
| 182 | SUB | LA | LAKOTA SUBSTATION | 2,796,418 | 1,488,581 |
| 183 | SUB | LE | LEEDS SUBSTATION | 3,943,917 | 3,785,195 |
| 184 | SUB | LET | LETCHER SUBSTATION | 11,108,748 | 11,108,748 |
| 185 | SUB | ML | MALLARD | 29,969 | 29,969 |
| 186 | SUB | MT | MALTA | 340,848 | 340,848 |
| 187 | SUB | MDN | MANDAN SUBSTATION | 19,476 | 19,476 |
| 188 | SUB | MR | MARTIN SUBSTATION | 1,829,481 | 695,361 |
| 189 | SUB | MA | MAURINE SUBSTATION | 8,287,348 | 8,040,434 |
| 190 | SUB | MD | MIDLAND SUBSTATION | 836,212 | 689,470 |
| 191 | SUB | MC2 | MILES CITY SUB #2 | 6,386,403 | 6,386,403 |
| 192 | SUB | MC3 | MILES CITY SUB #3 | 1,895,702 | 1,895,702 |
| 193 | SUB | MC | MILES CITY SUBSTATION | 1,242,288 | 1,242,288 |

| | | | | | |
|-----|-----|-----|---------------------------|------------|------------|
| 194 | SUB | MS | MISSION SUBSTATION | 3,473,710 | 2,889,718 |
| 195 | SUB | MO | MORRIS SUBSTATION | 7,229,447 | 6,134,012 |
| 196 | SUB | MV | MT VERNON SUBSTATION | 2,030,824 | 1,891,588 |
| 197 | SUB | NA | NASHUA SUB | 72,368 | - |
| 198 | SUB | NEL | NELSON SUBSTATION | 1,944,817 | 1,911,073 |
| 199 | SUB | NU | NEW UNDERWOOD SUBSTATION | 16,201,185 | 16,160,050 |
| 200 | SUB | NL | NEWELL SUBSTATION | 1,152,964 | 865,467 |
| 201 | SUB | OF | O'FALLON CREEK SUBSTATION | 3,264,302 | 3,205,707 |
| 202 | SUB | ON | O'NEILL SUB (NPP) | 180,660 | 180,660 |
| 203 | SUB | PET | PENN TAP | 890,607 | 782,122 |
| 204 | SUB | PL | PHILIP SUBSTATION | 2,037,148 | 1,813,279 |
| 205 | SUB | PI | PIERRE SUBSTATION | 4,284,664 | 3,584,774 |
| 206 | SUB | PLL | PLEASANT LAKE TAP | 992,415 | 891,224 |
| 207 | SUB | RB | RAINBOW SUBSTATION | 250,629 | - |
| 208 | SUB | RC | RAPID CITY SUBSTATION | 14,783,428 | 14,226,635 |
| 209 | SUB | RH | RICHLAND SUBSTATION | 1,733,528 | - |
| 210 | SUB | RL | ROLLA SUBSTATION | 623,513 | 623,513 |
| 211 | SUB | RY | RUDYARD SUBSTATION | 3,234,229 | 1,853,780 |
| 212 | SUB | RG | RUGBY SUBSTATION | 8,848,633 | 8,520,023 |
| 213 | SUB | SA | SAVAGE SUB | 74,403 | 74,403 |
| 214 | SUB | SH | SHELBY SUBSTATION | 861,699 | - |
| 215 | SUB | SH2 | SHELBY SUBSTATION #2 | 5,188,377 | 5,018,681 |
| 216 | SUB | SL | SHIRLEY TAP | 22,102 | 22,102 |
| 217 | SUB | SC2 | SIOUX CITY #2 | 11,139,013 | 11,139,013 |
| 218 | SUB | SC | SIOUX CITY SUBSTATION | 17,042,319 | 17,042,319 |
| 219 | SUB | SF | SIOUX FALLS SUBSTATION | 14,642,087 | 14,125,574 |
| 220 | SUB | SP | SPENCER | 3,564,972 | 3,388,072 |
| 221 | SUB | SNY | STANLEY | 49,735 | 49,735 |
| 222 | SUB | SB | SULLY BUTTES | 74,428 | 74,428 |
| 223 | SUB | SU | SUMMIT SUBSTATION | 2,821,313 | 2,447,465 |
| 224 | SUB | TR | TERRY TAP | 606,044 | 502,923 |
| 225 | SUB | TT | TIBER TAP | 166,306 | 166,306 |
| 226 | SUB | TY | TYNDALL SUBSTATION | 931,157 | 805,563 |
| 227 | SUB | UJ | UTICA JCT. | 12,974,150 | 12,974,150 |
| 228 | SUB | VH | V. T. HANLON | 5,553 | 5,553 |
| 229 | SUB | VC | VALLEY CITY SUBSTATION | 6,819,468 | 6,642,927 |
| 230 | SUB | VR | VERONA | 108,751 | 108,751 |
| 231 | SUB | VE | VETAL TAP | 232,375 | 232,375 |
| 232 | SUB | VFO | VIRGIL FODNESS SUBSTATION | 3,206,763 | 3,206,763 |
| 233 | SUB | WL | WALL SUBSTATION | 1,569,037 | 914,738 |
| 234 | SUB | WDD | WARD SUBSTATION | 3,453,847 | 3,408,486 |

| | | | | | |
|-----|------------------|-----|---------------------------------|--------------------|--------------------|
| 235 | SUB | WB | WASHBURN SUBSTATION | 2,071,165 | 1,131,670 |
| 236 | SUB | WT2 | WATERTOWN #2 | 2,900,981 | 2,900,981 |
| 237 | SUB | WTS | WATERTOWN STATIC VAR SYSTEM | 11,778,775 | 11,778,775 |
| 238 | SUB | WT | WATERTOWN SUBSTATION | 16,036,010 | 16,036,010 |
| 239 | SUB | WC | WATFORD CITY SUB | 7,600,294 | 7,491,929 |
| 240 | SUB | WSG | WESSINGTON SPRINGS SUBSTATION | 5,141,440 | 4,968,129 |
| 241 | SUB | WH2 | WHATELY (NORTHERN) | 40,860 | 40,860 |
| 242 | SUB | WH | WHATELY SUBSTATION | 109,910 | 55,827 |
| 243 | SUB | WHT | WHITE 345/115 SUB | 11,022,034 | 11,022,034 |
| 244 | SUB | WV | WICKSVILLE SUBSTATION | 839,174 | 766,048 |
| 245 | SUB | WN2 | WILLISTON 2 SUBSTATION | 13,797,713 | 13,797,713 |
| 246 | SUB | WN | WILLISTON SUBSTATION | 10,064,217 | 9,966,897 |
| 247 | SUB | WI | WINNER SUBSTATION | 3,234,614 | 3,132,745 |
| 248 | SUB | WJ | WM. J. NEAL | 156,417 | 156,417 |
| 249 | SUB | WP | WOLF POINT SUBSTATION | 7,181,905 | 5,835,006 |
| 250 | SUB | WO | WOONSOCKET SUBSTATION | 2,953,732 | 1,895,998 |
| 251 | SUB | YJ | YANKTON JCT. | 76,396 | 76,396 |
| 252 | SUB | YA | YANKTON SUBSTATION | 43,844 | - |
| 253 | SUB Total | | SUBSTATIONS | 636,274,185 | 599,471,747 |
| 254 | O&M | ARC | ARMOUR O&M SER. CEN. | 3,488,667 | 3,488,667 |
| 255 | O&M | BSM | BISMARCK O&M SER. CEN. | 9,917,899 | 9,917,899 |
| 256 | O&M | DCF | DAWSON SER. CEN. | 6,845,966 | 6,845,966 |
| 257 | O&M | DLM | DEVILS LAKE O&M SER. CEN. | 3,852,064 | 3,852,064 |
| 258 | O&M | FAO | FARGO LINE MAINTENANCE FACILITY | 2,040,287 | 2,040,287 |
| 259 | O&M | FAM | FARGO O&M SER. CEN. | 794,673 | 794,673 |
| 260 | O&M | FPM | FORT PECK SER. CEN. | 5,650,952 | 5,650,952 |
| 261 | O&M | FTM | FORT THOMPSON O&M S. C. | 315,000 | 315,000 |
| 262 | O&M | HVM | HAVRE SERVICE CENTER | 249,377 | 249,377 |
| 263 | O&M | HUM | HURON O&M SER. CEN. | 2,512,836 | 2,512,836 |
| 264 | O&M | JTM | JAMESTOWN O&M SER. CEN. | 3,841,398 | 3,841,398 |
| 265 | O&M | MCM | MILES CITY MTCE FAC. | 1,025,254 | 1,025,254 |
| 266 | O&M | NUM | NEW UNDERWOOD SER. CEN. | 96,884 | 96,884 |
| 267 | O&M | PLM | PHILIP O&M SER. CENT. | 1,679,674 | 1,679,674 |
| 268 | O&M | PIM | PIERRE O&M SER. CEN. | 1,051,383 | 1,051,383 |
| 269 | O&M | RCM | RAPID CITY GARAGE & STOR. | 2,221,623 | 2,221,623 |
| 270 | O&M | SCM | SIOUX CITY O&M SER. CEN. | 3,007,882 | 3,007,882 |
| 271 | O&M | SFC | SIOUX FALLS O&M SER. CEN. | 239,920 | 239,920 |
| 272 | O&M | WTM | WATERTOWN MAINT. CEN. | 7,366,309 | 7,366,309 |

| | | | | | |
|-----|----------------------|---------|---|-------------------|-------------------|
| 273 | O&M Total | | O&M SERVICE & MAINT. CENTERS | 56,198,048 | 56,198,048 |
| 274 | OPS | WAO | WATERTOWN ALTERNATE OPERATIONS CENTER | 6,304,774 | 4,479,542 |
| 275 | OPS | WTO | WATERTOWN OPERATIONS CENT | 1,104,084 | 719,716 |
| 276 | OPS | WTO F | WATERTOWN OPER CTR (BFPS) | 11,553,752 | 7,602,006 |
| 277 | OPS Total | | OPERATION CENTERS | 18,962,610 | 12,801,264 |
| 278 | MOB | MOBW2 | MOB 115KV SWITCH TRAILER | 69,741 | 69,741 |
| 279 | MOB | MOBT13 | MOB TRANSF 111KV 15MVA | 213,000 | 213,000 |
| 280 | MOB | MOBT2 | MOB TRANSF 115KV 10MVA | 218,493 | 218,493 |
| 281 | MOB | MOBT12 | MOB TRANSF 115KV 25MVA | 556,464 | 556,464 |
| 282 | MOB | MOBT4 | MOB TRANSF 115KV 40MVA | 526,201 | 526,201 |
| 283 | MOB | MOBT6 | MOB TRANSF 230KV 1-33MVA | 170,278 | 170,278 |
| 284 | MOB | MOBB2 | MOBILE BY PASS KIT (BISMARCK) | 35,071 | 35,071 |
| 285 | MOB | MOBB1 | MOBILE BY PASS KIT (HURON) | 163,695 | 163,695 |
| 286 | MOB | MOBC4 | MOBILE CAPACITOR BANK | 19,075 | 19,075 |
| 287 | MOB | MOBS6 | MOBILE SUB 110KV | 127,144 | 127,144 |
| 288 | MOB | MOBS9 | MOBILE SUB 115KV 20MVA | 404,166 | 404,166 |
| 289 | MOB | MOBS7 | MOBILE SUB 41.8 KV | 192,498 | - |
| 290 | MOB | MOBS5 | MOBILE SUB 69KV | 71,118 | 71,118 |
| 291 | MOB | MOBR2 | MOB SH.REACTOR | 179,328 | 179,328 |
| 292 | MOB Total | | MOBILE EQUIPMENT | 2,946,272 | 2,753,774 |
| 293 | GEN | BG FT L | BIG BEND-FORT THOMPSON (LOW VOLTAGE) | 81,944 | - |
| 294 | GEN | FP | FORT PECK POWERPLANT (COE) | 64,611 | - |
| 295 | GEN | FT BG 1 | FORT THOMPSON-BIG BEND NO. 1 | 922,164 | 922,164 |
| 296 | GEN | FT BG 2 | FORT THOMPSON-BIG BEND NO. 2 | 690,735 | 690,735 |
| 297 | GEN Total | | TRANSMISSION-RELATED GEN. FACILITIES | 1,759,454 | 1,612,899 |
| 298 | COM | ATC | ATLANTIC COMMUNICATION SITE | 17,199 | 11,747 |
| 299 | COM | BK2 | BAKER RELAY | 248,874 | 169,981 |
| 300 | COM | BTY | BANTRY | 343,131 | 234,358 |
| 301 | COM | BAE | BARRETT | 99,835 | 68,187 |
| 302 | COM | BMW | BATTLE MT. MICROWAVE | 324,151 | 221,395 |
| 303 | COM | BPR | BELLE PRAIRIE | 152,583 | 104,214 |
| 304 | COM | BET | BENEDICT | 36,772 | 25,115 |
| 305 | COM | BU | BEULAH | 10,679 | 7,294 |
| 306 | COM | BG | BIG BEND | 113,362 | 77,426 |
| 307 | COM | BJR | BIJOU REPEATER | 564,784 | 385,747 |
| 308 | COM | BSR | BISMARCK REPEATER | 248,435 | 169,681 |
| 309 | COM | BIR | BISON REPEATER | 227,955 | 155,693 |
| 310 | COM | BON | BOLE NORTH REPEATER | 149,228 | 101,923 |
| 311 | COM | BRI | BRINSMADE | 147,129 | 100,489 |
| 312 | COM | BSL | BRISTOL | 11,441 | 7,814 |

| | | | | | |
|-----|-----|-------|-----------------------------------|---------|---------|
| 313 | COM | BRV | BRUNSVILLE REPEATER | 92,595 | 63,242 |
| 314 | COM | BFF | BUFFALO | 107,342 | 73,315 |
| 315 | COM | CAH | CAHOON | 194,709 | 132,986 |
| 316 | COM | CAZ | CARRINGTON REPEATER | 693,236 | 473,480 |
| 317 | COM | CHK | CHARTER OAK REPEATER | 15,667 | 10,701 |
| 318 | COM | CHI F | CHINOOK (BEFP) | 284,048 | 194,005 |
| 319 | COM | CHR | CHINOOK REPEATER | 15,293 | 10,445 |
| 320 | COM | CKR | CLARK MW REPEATER | 731,291 | 499,472 |
| 321 | COM | CLV | CLEVELAND REPEATER, N.D. | 66,872 | 45,674 |
| 322 | COM | CMR | COLEMAN REPEATER | 105,281 | 71,907 |
| 323 | COM | CME | COLOME REPEATER | 293,101 | 200,188 |
| 324 | COM | CBR | CONRAD BUTTE REPEATER | 455,668 | 311,221 |
| 325 | COM | CNN | COTTON | 1,399 | 956 |
| 326 | COM | CSR | CRESTON REPEATER | 11,107 | 7,586 |
| 327 | COM | CLR | CROW LAKE REPEATER | 246,521 | 168,374 |
| 328 | COM | CBT | CROWN BUTTE | 52,565 | 35,902 |
| 329 | COM | CRR | CULBERTSON RADIO RELAY SITE | 1,926 | 1,315 |
| 330 | COM | CUL | CUSTER LOOKOUT | 80,620 | 55,063 |
| 331 | COM | DAL | DALTON (WES) | 63,660 | 43,480 |
| 332 | COM | DLC | DEVILS LAKE FIBER REGEN | 273,047 | 186,491 |
| 333 | COM | DLZ | DEVILS LAKE REPEATER | 518,898 | 354,407 |
| 334 | COM | DOD | DODSON REPEATER | 882,795 | 602,949 |
| 335 | COM | DO | DOGDEN BUTTE | 281,286 | 192,118 |
| 336 | COM | DRS | DRISCOLL | 79,113 | 54,034 |
| 337 | COM | DU | DUPREE REPEATER | 1,821 | 1,244 |
| 338 | COM | DUT | DUTTON REPEATER (BEFP) | 75,190 | 51,355 |
| 339 | COM | ERB | EAST RAINY BUTTE | 147,041 | 100,429 |
| 340 | COM | ECK | ECKELSON | 231,893 | 158,383 |
| 341 | COM | EKR | ELKTON | 165,481 | 113,024 |
| 342 | COM | ELZ | ELLENDALE REPEATER | 644,579 | 440,247 |
| 343 | COM | EWA | ELLSWORTH AIR BASE | 204,548 | 139,706 |
| 344 | COM | ERH | ERHARD | 99,569 | 68,006 |
| 345 | COM | EX | EXIRA REPEATER | 2,527 | 1,726 |
| 346 | COM | FB | F. L. BLAIR | 76,407 | 52,186 |
| 347 | COM | FAP | FAIRPOINT REPEATER | 206,550 | 141,074 |
| 348 | COM | FNR | FALLON REPEATER | 212,944 | 145,441 |
| 349 | COM | FCS | FERGUS FALLS COMMUNICATIONS SITE | 485,567 | 331,642 |
| 350 | COM | FLW | FLOWING WELLS | 68,763 | 46,965 |
| 351 | COM | FBS | FORBES COMMUNICATION SITE | 45,316 | 30,951 |
| 352 | COM | FP1 | FORT PECK RELAY (WES) | 326,153 | 222,762 |
| 353 | COM | FPC | FORT PECK COMMUNICATIONS BUILDING | 380,212 | 259,685 |

| | | | | | |
|-----|-----|-----|-------------------------------------|---------|---------|
| 354 | COM | FPR | FORT PECK REPEATER | 109,069 | 74,494 |
| 355 | COM | FTR | FORT THOMPSON REPEATER | 99,223 | 67,769 |
| 356 | COM | FTP | FORT THOMPSON REPEATER (EAST RIVER) | 301,614 | 206,002 |
| 357 | COM | FCR | FOX CREEK MICROWAVE | 423,094 | 288,973 |
| 358 | COM | FRY | FRYBURG SUB & MICROWAVE | 61,204 | 41,802 |
| 359 | COM | GA | GARRISON | 736,244 | 502,855 |
| 360 | COM | GRR | GARY REPEATER | 80,799 | 55,186 |
| 361 | COM | GP | GAVIN'S POINT | 148,752 | 101,598 |
| 362 | COM | GPR | GAVINS POINT REPEATER | 315,049 | 215,178 |
| 363 | COM | GET | GETTYSBURG REPEATER | 368,771 | 251,871 |
| 364 | COM | GH | GLENHAM | 293,701 | 200,598 |
| 365 | COM | GKM | GRAND FORKS MINNKOTA (MPC) | 23,847 | 16,288 |
| 366 | COM | HSB | HAILSTONE BUTTE | 74,835 | 51,112 |
| 367 | COM | HOY | HALLOWAY REPEATER | 109,706 | 74,929 |
| 368 | COM | HRT | HARLEM REPEATER | 882,588 | 602,808 |
| 369 | COM | HTH | HATHAWAY | 68,891 | 47,053 |
| 370 | COM | HMW | HERMOSA MICROWAVE | 302,701 | 206,745 |
| 371 | COM | HLR | HIGHLAND REPEATER | 22,884 | 15,630 |
| 372 | COM | HMR | HIGHMORE REPEATER | 145,723 | 99,529 |
| 373 | COM | HIW | HIGHWOOD | 22,896 | 15,638 |
| 374 | COM | HI | HINSDALE | 201,837 | 137,855 |
| 375 | COM | HIR | HINSDALE REPEATER | 66,495 | 45,416 |
| 376 | COM | HOE | HOPEWELL REPEATER | 231,172 | 157,890 |
| 377 | COM | HNT | HUNTER MICROWAVE | 210,227 | 143,585 |
| 378 | COM | HUD | HURON DISTRICT OFFICE | 768,139 | 524,639 |
| 379 | COM | HYS | HYSHAM | 90,227 | 61,625 |
| 380 | COM | JTR | JAMESTOWN REPEATER | 46,981 | 32,088 |
| 381 | COM | JCK | JONES CREEK | 267,395 | 182,631 |
| 382 | COM | KCK | KELLY CREEK | 202,226 | 138,120 |
| 383 | COM | KDZ | KILLDEER REPEATER | 572,792 | 391,217 |
| 384 | COM | KNE | KNEE HILL MW | 471,997 | 322,374 |
| 385 | COM | LAC | LAC QUI PARLE | 751,513 | 513,283 |
| 386 | COM | LKR | LAKE ANDES REPEATER | 722,674 | 493,586 |
| 387 | COM | LEF | LEFOR | 48,470 | 33,105 |
| 388 | COM | LI | LINDSAY RIDGE | 79,074 | 54,008 |
| 389 | COM | LCS | LINTON COMMUNICATIONS SITE | 339,867 | 232,129 |
| 390 | COM | LMO | LITTLE MISSOURI SUBSTATION | 54,516 | 37,234 |
| 391 | COM | LDP | LODGEPOLE REPEATER | 32,445 | 22,160 |
| 392 | COM | MRP | MALTA REPEATER | 793,844 | 542,195 |
| 393 | COM | MNM | MANDAN MICROWAVE SITE | 69,988 | 47,802 |
| 394 | COM | MPR | MAPLE RIVER | 172,792 | 118,017 |

| | | | | | |
|-----|-----|-----|-----------------------------|---------|---------|
| 395 | COM | MRR | MARTIN REPEATER | 300,728 | 205,397 |
| 396 | COM | MAV | MAYVILLE | 196,624 | 134,294 |
| 397 | COM | MLR | MIDLAND REPEATER | 516,515 | 352,780 |
| 398 | COM | MOX | MOE REPEATER | 129,266 | 88,289 |
| 399 | COM | MH | MOORHEAD | 125,057 | 85,414 |
| 400 | COM | MSR | MORRIS REPEATER & MICROWAVE | 128,242 | 87,589 |
| 401 | COM | NWC | NEWCASTLE REPEATER | 216,330 | 147,753 |
| 402 | COM | OA | OAHE | 577,874 | 394,688 |
| 403 | COM | OK | O'KREEK REPEATER | 367,630 | 251,091 |
| 404 | COM | OR | ORCHARD REPEATER | 428,707 | 292,807 |
| 405 | COM | OTO | OTO MICROWAVE | 16,445 | 11,232 |
| 406 | COM | OTW | OTTUMWA ROAD REPEATER SITE | 7,685 | 5,249 |
| 407 | COM | PGE | PAGE N.D. | 1,646 | 1,124 |
| 408 | COM | PAH | PAHOJA SUB | 107,003 | 73,083 |
| 409 | COM | PEK | PEAK | 83,844 | 57,265 |
| 410 | COM | PLJ | PHILIP JCT. REPEATER | 530,459 | 362,303 |
| 411 | COM | PIR | PINE RIDGE | 186,735 | 127,540 |
| 412 | COM | PO | POPLAR (MDU) | 3,758 | 2,567 |
| 413 | COM | PRR | PRIMGHAR REPEATER | 27,264 | 18,621 |
| 414 | COM | PUR | PUKWANNA REPEATER | 258,360 | 176,460 |
| 415 | COM | RCR | RAPID CITY REPEATER | 340,932 | 232,857 |
| 416 | COM | RE | RICHARDSON COULEE | 161,748 | 110,474 |
| 417 | COM | RER | RICHARDSON COULEE REPEATER | 166,315 | 113,593 |
| 418 | COM | RHM | RICHLAND MW REPEATER (BEPS) | 528,922 | 361,254 |
| 419 | COM | RRR | ROCKY RIDGE REPEATER | 226,934 | 154,996 |
| 420 | COM | ROG | ROLLAG | 172,922 | 118,106 |
| 421 | COM | RGZ | RUGBY REPEATER | 472,290 | 322,574 |
| 422 | COM | RI | RUTLAND | 890,560 | 608,252 |
| 423 | COM | SAO | SACO | 1,237 | 845 |
| 424 | COM | SNB | SENTINEL BUTTE | 87,667 | 59,877 |
| 425 | COM | SRE | SHEEP COULEE REPEATER | 475,744 | 324,933 |
| 426 | COM | SCQ | SIOUX CITY REPEATER | 427,162 | 291,752 |
| 427 | COM | SFR | SIOUX FALLS REPEATER | 330,718 | 225,880 |
| 428 | COM | SI | SIOUX PASS | 1,366 | 933 |
| 429 | COM | SNA | SNAKE BUTTE REPEATER | 670,911 | 458,232 |
| 430 | COM | SPN | SPALDING REPEATER | 549,514 | 375,318 |
| 431 | COM | SM | SPIRIT MOUND | 295,982 | 202,156 |
| 432 | COM | STR | STRASBERG | 1,853 | 1,266 |
| 433 | COM | SMR | SUMMIT REPEATER | 50,053 | 34,186 |
| 434 | COM | TCS | TAPPEN COMMUNICATIONS SITE | 291,767 | 199,277 |
| 435 | COM | TA | TAPPEN REPEATER | 431,247 | 294,542 |

| | | | | | |
|-----|-------------------|--------|--|-------------------|-------------------|
| 436 | COM | TEN | TENNANT COMMUNICATIONS SITE | 8,782 | 5,998 |
| 437 | COM | TOR | TORONTO REPEATER | 106,096 | 72,464 |
| 438 | COM | TFR | TRIPP REPEATER | 235,958 | 161,159 |
| 439 | COM | TU | TURKEY RIDGE REPEATER | 586,206 | 400,379 |
| 440 | COM | TYE | TYLER REPEATER | 1,239,694 | 846,711 |
| 441 | COM | VIC | VICTOR (EREC) | 35,530 | 24,267 |
| 442 | COM | VIA | VIDA | 98,597 | 67,342 |
| 443 | COM | WLR | WALL REPEATER | 479,343 | 327,391 |
| 444 | COM | WTR | WATERTOWN REPEATER | 713,148 | 487,080 |
| 445 | COM | WS | WAYSIDE | 17,781 | 12,144 |
| 446 | COM | WSR | WESSINGTON SPGS. REPEATER | 677,279 | 462,582 |
| 447 | COM | WEF | WESTFIELD | 19,003 | 12,979 |
| 448 | COM | WSW | WHITE SWAN | 91,987 | 62,827 |
| 449 | COM | WK C | WHITLOCK (BCPS) | 165,594 | 113,101 |
| 450 | COM | WOB | WOLBACH REPEATER | 28,280 | 19,315 |
| 451 | COM | YT P | YELLOWTAIL SWITCHYARD (BEPS) | 223,367 | 152,560 |
| 452 | COM Total | | COMMUNICATION FACILITIES | 37,917,082 | 25,897,367 |
| 453 | MCCS | MC4 | MILES CITY CONVERTER STATION - BEPS | 19,890,751 | 19,890,751 |
| 454 | MCCS | MC4 | MILES CITY CONVERTER STATION - BEFP | 3,643,319 | 3,643,319 |
| 455 | MCCS Total | | MILES CITY CONVERTER STATION | 23,534,070 | 23,534,070 |
| 456 | DIST | BFTBP | BUFORD TRENTON TAP - BUFORD TRENTON P.P. | 650,001 | - |
| 457 | DIST | BP | BUFORD TRENTON PUMP SUB | 184,827 | - |
| 458 | DIST | FN | FALLON PUMPING PLANT SUBS | 223,594 | - |
| 459 | DIST | FE | FALLON RELIFT PUMPING PLA | 171,257 | - |
| 460 | DIST | FN GG | FALLON-GLENDIVE PUMP #4 | 25,506 | - |
| 461 | DIST | FP WP | FORT PECK-WOLF POINT | 190,500 | - |
| 462 | DIST | FG | FRAZER PUMP SUB | 253,597 | - |
| 463 | DIST | GA SK | GARRISON-SNAKE CREEK | 1,103,389 | - |
| 464 | DIST | GG | GLENDIVE P.P. #1 SUB. | 425,706 | - |
| 465 | DIST | IN | INTAKE SUBSTATION | 108,040 | - |
| 466 | DIST | IN INP | INTAKE-INTAKE PUMP | 6,494 | - |
| 467 | DIST | SV | SAVAGE PUMPING PLANT SUBS | 102,283 | - |
| 468 | DIST | SY | SHIRLEY PUMP SUBSTATION | 1,321,270 | - |
| 469 | DIST | SK | SNAKE CREEK PUMP SUBSTATION | 920,941 | - |
| 470 | DIST | TE | TERRY PUMPING PLANT SWITCH | 474,404 | - |
| 471 | DIST | TI | TIBER DAM SUBSTATION | 318,568 | - |
| 472 | DIST | VA | WIOTA SUBSTATION | 216,163 | - |

| | | | | | |
|-----|--------------------|-------|---|----------------------|----------------------|
| 473 | DIST Total | | DISTRIBUTION FACILITIES | 6,696,540 | - |
| 474 | RMR | NU SG | NEW UNDERWOOD-STEGALL | 287,835 | 287,835 |
| 475 | RMR | SG | STEGALL SUBSTATION | 9,030,765 | 302,609 |
| 476 | RMR | SG WY | STEGALL-WAYSIDE | 2,978,205 | 2,978,205 |
| 477 | RMR | WY | WAYSIDE | 237,296 | 237,296 |
| 478 | RMR | YT PY | YELLOWTAIL SWITCHYARD-YELLOWTAIL (PPL) | 121,495 | 30,374 |
| 479 | RMR | PY | YELLOWTAIL (PPL) | 692,335 | 173,084 |
| 480 | RMR | YT P | YELLOWTAIL SWITCHYARD | 12,779,485 | 3,194,871 |
| 481 | RMR | YT | YELLOWTAIL SWITCHYARD (YT) | 120,611 | 120,611 |
| 482 | RMR Total | | ROCKY MOUNTAIN REGION FACILITIES | 26,248,026 | 7,324,885 |
| 483 | COE | | CORPS SWITCHYARD FACILITIES | 108,267,357 | 74,086,097 |
| 484 | COE Total | | CORPS OF ENGINEERS FACILITIES | 108,267,357 | 74,086,097 |
| 485 | Grand Total | | TOTAL | 1,453,018,489 | 1,337,894,994 |
| 486 | | | SUBTOTAL WESTERN-UGP ONLY | 1,318,503,106 | 1,256,484,013 |
| 487 | | | 1/ Plant balance does not include customer liability for network upgrades. Investment is only brought | | |
| 488 | | | into plant balance as WAPA incurs expense (e.g. if transmission credits are provided to customer). | | |

| Western-UGP Facilities Included per AI for January 1, 2016 Rates* | | | | | | | | | | |
|---|---------------|--|------------------------|------|---|---|---|---|---------------------|--|
| Line No. | Facility | Specific Plant Included | Attachment AI Criteria | | | | | | Further Description | |
| | | | 1 | 1(b) | 2 | 3 | 4 | 5 | | |
| 1 | Substations | | | | | | | | | |
| 2 | Appeldorn | 230-kV breakers 482, 586, 682 and assoc. switches and switch 487 | x | | | | | | | |
| 3 | | station service KW4A, KW30A and switches | x | | | | | | | |
| 4 | Armour | 115-kV switches 16x, 26x, 76x | x | | | | | | | |
| 5 | | 12.47-kV switches 172x, KW1A | x | | | | | | | |
| 6 | | station service KZ1A, KX2A and switches | x | | | | | | | maintenance building SS |
| 7 | | 115/69 kV transformer KY1A | | x | | | | | | Three East River members are served through KY1A (Charles Mix, Douglas and Southeastern) |
| 8 | | 69 kV breaker 1052 and assoc switches | | x | | | | | | Two East River members are served through 1052 (Douglas and Southeastern) |
| 9 | Ash Tap | 115-kV switches 1161, 1261, 1361 | x | | | | | | | |
| 10 | Aurora | 115-kV breakers 266, 464, 562, 662 and assoc. switches | x | | | | | | | |
| 11 | | capacitor PY4A | x | | | | | | | |
| 12 | | station service KY2A and KW2A | x | | | | | | | |
| 13 | Belden (NPPD) | 115-kV breaker 1106 and assoc. switches | x | | | | | | | |
| 14 | Belfield | 230-kV breakers 1282, 1382, 1582 and assoc. switches | x | | | | | | | |
| 15 | | 345/230-kV transformer KU1A | x | | | | | | | |
| 16 | | 345-kV breakers 292, 396, 492 and assoc. switches | x | | | | | | | |
| 17 | | station service KW1B and assoc. switches | x | | | | | | | |
| 18 | | reactor KW2A, 13.8 breaker 3224 and assoc. switches | x | | | | | | | |
| 19 | Beresford | 115-kV breakers 262, 362, 462, 566, 764, 864 and assoc. switches | x | | | | | | | |
| 20 | | capacitors PY7A, PY8A | x | | | | | | | |
| 21 | | station service KZ1A and switch 1451 | x | | | | | | | |
| 22 | | 115/69kV transformer KY1A | | x | | | | | | Two East River members are served through KY1A (Clay-Union and Southeastern) |
| 23 | | 69kV breaker 1652 and assoc. switches | | x | | | | | | Two East River members are served through 1652 (Clay-Union and Southeastern) |
| 24 | Bisbee | 69-kV switches 247, 347 | x | | | | | | | |
| 25 | Bismarck | 230-kV breakers 182, 282, 382, 386, 482, 582, 682, 782, 882, 986, 9182 and assoc. switches | x | | | | | | | |
| 26 | | 230/115-kV transformers KV3A, KV8A | x | | | | | | | |
| 27 | | 115-kV breakers 3062, 3162, 3362, 3562 and assoc. switches | x | | | | | | | |
| 28 | | station service KW4A, KW4E, KW4F and assoc. switches | x | | | | | | | |
| 29 | | 12.47-kV breaker 1422, switches 142x, 152x, 1221, 1829 | x | | | | | | | maintenance buildings ss |
| 30 | Bole | 230-kV switches 182, 282, 481, 482 | x | | | | | | | |
| 31 | | station service KW21A, switch 2123 | x | | | | | | | |
| 32 | | 230/69-kV transformer KV1A | x | | | | | | | |
| 33 | | 69-kV switches 1351, 1355 | x | | | | | | | |
| 34 | | 69-kV breaker 1152 and assoc. switches | | x | | | | | | Sun River Electric Cooperative and NorthWestern MT |
| 35 | Bonesteel | 115-kV breakers 664, 764 and assoc. switches | x | | | | | | | |
| 36 | | capacitors PY6A, PY7A | x | | | | | | | |
| 37 | | 115-kV switches 46x, 26x | x | | | | | | | |
| 38 | | station service KW1A, switch 1521 | x | | | | | | | |

| | | | | | | | | | | | | | |
|----|-----------------|--|---|---|---|--|--|--|--|--|--|--|---|
| 39 | Brookings | 115-kV breakers 1164, 1362, 1462, 1666, 1862, 1962, 2064 and assoc. switches | x | | | | | | | | | | |
| 40 | | capacitors PY11A and PY20A | x | | | | | | | | | | |
| 41 | | station service KW1a, KZ1A and assoc. switches | x | | | | | | | | | | |
| 42 | | 115/69kV transformer KY1A | | x | | | | | | | | | One East River member and two municipal customers served through KY1A (Sioux Valley Energy, City of White, and City of Volga) |
| 43 | | 115 kV switches 161, 361, 461 | | x | | | | | | | | | One East River member and two municipal customers served through KY1A (Sioux Valley Energy, City of White, and City of Volga) |
| 44 | | 69 kV breaker 1052 and assoc. switches | | x | | | | | | | | | One East River member and two municipal customers served through 1052 (Sioux Valley Energy, City of White, and City of Volga) |
| 45 | Cando Tap | 69-kV switches 1751, 1753 | x | | | | | | | | | | |
| 46 | Canyon Ferry | 100-kV breakers 162, 262, 266, 362, 366 and assoc. switches | x | | | | | | | | | | |
| 47 | Carpenter | 230-kV breakers 182, 382, 486 and assoc. switches | x | x | | | | | | | | | Two East River members (Coddington Clark and Kingsbury) |
| 48 | | station service KW1A, KW3A and assoc. switches | x | | | | | | | | | | |
| 49 | Carrington | 115-kV breakers 262, 362 and assoc. switches, switch 161 | x | | | | | | | | | | |
| 50 | | capacitor PX3A | x | | | | | | | | | | |
| 51 | | station service KW9A and assoc. switches | x | | | | | | | | | | |
| 52 | Circle | 115-kV breakers 1462, 1562, 1666, 1764, 1864 and assoc. switches | x | | | | | | | | | | |
| 53 | | capacitors PY17A, PY18A | x | | | | | | | | | | |
| 54 | | reactor KY17A | x | | | | | | | | | | |
| 55 | | station service KX9A, switches 94x | x | | | | | | | | | | |
| 56 | Conrad | 230-kV breakers 182, 382, 482 and assoc. switches | x | | | | | | | | | | |
| 57 | | 230/115-kV transformer KV1A | x | | | | | | | | | | |
| 58 | | reactor KW31A, breaker 3124, switch 3123 | x | | | | | | | | | | |
| 59 | | 115-kV breaker 1162, 1362, 1452, and assoc. switches / switches 1263, 1265 | x | | | | | | | | | | |
| 60 | | station service KW30A, switch 3023 | x | | | | | | | | | | |
| 61 | Creston | 161 kV breakers 162, 262, 362, 466, 562, 662, 762, 964, 8161, 8262 and assoc. switches | x | | | | | | | | | | |
| 62 | | 161/69-kV transformer KY3A | x | | | | | | | | | | |
| 63 | | capacitors PZ21A and PY9A | x | | | | | | | | | | |
| 64 | | 69-kV breakers 2252, 2352, 2456 and assoc. switches | x | | | | | | | | | | |
| 65 | | station service KW3A, KW6A, Breakers 323, 623 and assoc. switches | x | | | | | | | | | | |
| 66 | Crossover | 230-kV breakers 582, 586, 786, 882 and assoc. switches | | | x | | | | | | | | to NWMT |
| 67 | | 230-kV switches 981, 983, 985, 987, 989, 990 | x | | | | | | | | | | |
| 68 | | phase shifter KV8A | x | | | | | | | | | | |
| 69 | Culbertson East | 115-kV switches 16x, 26x, 36x | x | x | | | | | | | | | two customers (Oreg Generation and Basin Generation) |
| 70 | Custer | 230-kV breakers 182, 382, 482 and assoc. switches | x | | | | | | | | | | |
| 71 | | station service KW2A and assoc. switches | x | | | | | | | | | | |
| 72 | | reactor KW1B and assoc. switches | x | | | | | | | | | | |
| 73 | | 230/69/12.47-kV transformer KV1A | x | | | | | | | | | | |
| 74 | | reactor KZ2A, 69-kV breaker 2152 and assoc. switches | x | | | | | | | | | | |
| 75 | Dawson County | 115-kV breakers 162, 262, 362, 462, 662, 762, 862 and assoc. switches | x | | | | | | | | | | |
| 76 | | 230-kV breakers 2282, 2382, 2482, 2582, 2682 and assoc switches | x | | | | | | | | | | |
| 77 | | 230/115-kV transformer KU5A | x | | | | | | | | | | |
| 78 | | capacitors PY7A, PY8A | x | | | | | | | | | | |
| 79 | | reactor KY8A | x | | | | | | | | | | |
| 80 | | station service KZ2B, KW2B and assoc. switches | x | | | | | | | | | | |
| 81 | | reactors KZ1A, KZ2A, KZ3A, breakers 3122, 3222, 3322 and assoc. switches | x | | | | | | | | | | |

| | | | | | | | | | | | | | |
|-----|---------------|---|---|---|---|--|--|--|--|--|--|--|--|
| 167 | Granite Falls | 230-kV breakers 184, 282, 382, 486, 582, 682, 782, 882, 1082, 1184, 9182 and assoc. switches | x | | | | | | | | | | |
| 168 | | capacitors PV1A, PV11A | x | | | | | | | | | | |
| 169 | | reactors KV1A, KV11A | x | | | | | | | | | | |
| 170 | | 230/115-kV transformers KV3A, KV8A | x | | | | | | | | | | |
| 171 | | reactors KW3A, KW54A, KW55A, KW56A, KW57A | x | | | | | | | | | | |
| 172 | | 13.8-kV breakers 5424, 5524, 5624, 5724 with assoc. switches and switches 5121, 5123 | x | | | | | | | | | | |
| 173 | | 115-kV breakers 2062, 2262, 2366, 2762, 3162, 8162 and assoc. switches | x | | | | | | | | | | |
| 174 | | 115-kV switches 246x, 296x | x | | | | | | | | | | |
| 175 | | capacitors PY25A, PY26A, breakers 2564, 2664 and assoc. switches | x | | | | | | | | | | |
| 176 | | reactors KY25A, KY26A | x | | | | | | | | | | |
| 177 | | station service KW50A, KW51A and assoc switches | x | | | | | | | | | | |
| 178 | Great Falls | 230-kV breakers 230/99, 230/100, 230/22, 230/23 and assoc. switches | | | x | | | | | | | | in NWMT Great Falls Sub |
| 179 | | 230 kV switch 268 | | | x | | | | | | | | in NWMT Great Falls Sub |
| 180 | | 230/161-kV transformer KV1A | x | | | | | | | | | | |
| 181 | | 161-kV breaker 162 and assoc switchers | x | | | | | | | | | | |
| 182 | | station service KW1A and switch 221 | x | | | | | | | | | | |
| 183 | Gregory | 115-kV breakers 162, 262, 762 and assoc. switches | x | | | | | | | | | | |
| 184 | | station service KW1A and switch 521 | x | | | | | | | | | | |
| 185 | Groton | 115-kV breakers 262, 362, 462, 562, 862, 966 and assoc. switches / switches 16x | x | | | | | | | | | | |
| 186 | | 115-kV switches 16x, 126x | x | | | | | | | | | | |
| 187 | | 115/69-kV transformer KY1A | | x | | | | | | | | | Two East River members served through KY1A (Lake Region, Northern) |
| 188 | | station service KZ1A and KW2A | x | | | | | | | | | | |
| 189 | | 115/69-kV transformer KY2A | x | | | | | | | | | | NWPS line is networked and included |
| 190 | | 69-kV breaker 1152 and assoc. switches | x | | | | | | | | | | NWPS line is networked and included |
| 191 | Havre | 161-kV breakers 162, 262, 362 and assoc. switches | x | | | | | | | | | | |
| 192 | | 115-kV breaker 1362, 1462, 1562, 1662 and assoc. switches | | x | | | | | | | | | Hill County Coop and Tiber LLC |
| 193 | | 161/115-kV transformer KZ1A | x | | | | | | | | | | |
| 194 | | 12.47-kV breaker 522 and assoc switches | x | | | | | | | | | | |
| 195 | | reactor KW1A | x | | | | | | | | | | |
| 196 | | station service KW1E, KW2A, switches 921, 221, 223 | x | | | | | | | | | | |
| 197 | Hilken | 230-kV breakers 186, 386, 482 and assoc. switches | x | | | | | | | | | | |
| 198 | Huron | 230-kV breakers 582, 586, 782, 786, 882 and assoc. switches, switches 181, 281 | x | | | | | | | | | | |
| 199 | | 230/115-kV transformers KV1A | x | | | | | | | | | | |
| 200 | | reactors KW1A, KW3A, breakers 132, 332 and assoc. switches | x | | | | | | | | | | |
| 201 | | station service KW1C, KW1D and assoc. switches | x | | | | | | | | | | |
| 202 | | 115-kV breakers 1062, 1162, 1362, and assoc. switches, switches 126x, 1761 | x | | | | | | | | | | |
| 203 | Jamestown | 230-kV breakers 3182, 3282, 3382, 3482, 3582, 3682, 3782, 3882, 3982, 9182 and assoc switches | x | | | | | | | | | | |
| 204 | | 115-kV breakers 162, 262, 362, 462, 562, 762, 1864, 1964, 2064 and assoc switches | x | | | | | | | | | | not 662 - to OTP N.O. |
| 205 | | capacitors PY20A, PY19A | x | | | | | | | | | | |
| 206 | | reactors KY20A, KY19A, KY7A | x | | | | | | | | | | |
| 207 | | 230/115-kV transformers KU3A, KU6A | x | | | | | | | | | | |
| 208 | | reactor KW21A, breaker 2122 and assoc. switches | x | | | | | | | | | | |
| 209 | | station service KWA, KWB switches 222x, 232x | x | | | | | | | | | | |
| 210 | | station service KW4B, wiches 242x, 252x 302x | x | | | | | | | | | | |
| 211 | | reactor KW26A, breaker 2622 and assoc. switches | x | | | | | | | | | | |

| | | | | | | | | | | | |
|-----|--------------|--|---|---|---|--|--|--|--|--|---|
| 212 | Killdeer | 115-kV breakers 162, 166, 366, 462 and assoc. switches | x | | | | | | | | |
| 213 | | Capacitor PY2A, 115-kV breaker 264 and assoc. switches | | | | | | | | | |
| 214 | | station service KY1A, switch 3163, KX3A and assoc. switches | x | | | | | | | | |
| 215 | Lakota | 115-kV breaker 162 and assoc switches | x | | | | | | | | |
| 216 | | station service KW1A, switches 825, 921 | x | | | | | | | | |
| 217 | Leeds | 115-kV breakers 262, 362, 462, 562 and assoc. switches | x | | | | | | | | |
| 218 | | capacitor PZ4A, breaker 744 and assoc. switches | x | | | | | | | | |
| 219 | | 115/69-kV transformer KY1A, switches 161, 162 | x | | | | | | | | |
| 220 | | 69-kV breakers 444, 544 and assoc switches / switch 143 | x | | | | | | | | |
| 221 | | station service KW3B and switch 1021 | x | | | | | | | | |
| 222 | Letcher | 230-kV breakers 382, 582, 686 and assoc. switches | x | | | | | | | | NWPS line to Mitchell is Networked |
| 223 | | 230/115-kV transformer KV3A | x | | | | | | | | |
| 224 | | 115-kV breakers 1266, 1362, 1562 and assoc. switches | x | | | | | | | | |
| 225 | | station service KW3B and assoc switches | x | | | | | | | | |
| 226 | Martin | 115-kV switches 163, 261, 361, 360, 961 | x | | | | | | | | |
| 227 | | station service KW1A and switch 2021 | x | | | | | | | | |
| 228 | Maurine | 230-kV breakers 182, 282, 582 and assoc. switches | x | | | | | | | | |
| 229 | | 230/115-kV transformer KV1A | x | | | | | | | | |
| 230 | | 115-kV breakers 1362, 1462, 1562, 1662, 1762, 1964, 2064 and assoc switches | x | | | | | | | | |
| 231 | | capacitors PY19A, PY20A | x | | | | | | | | |
| 232 | | reactors KY19A, KY20A | x | | | | | | | | |
| 233 | | reactor KW32A, breaker 3224 and assoc switches | x | | | | | | | | |
| 234 | | station service KW30A, KW31A and assoc switches | x | | | | | | | | |
| 235 | Midland | 115-kV switches 16x and 26x / switch 361 | x | | | | | | | | |
| 236 | | station service KW20A, switches 2031, 2011, 3011 | x | | | | | | | | |
| 237 | Miles City | 57-kV breaker 152 and assoc. switches | | x | x | | | | | | 2 customers (MDU, Kinsey Irrigation) |
| 238 | Miles City 2 | 230-kV breakers 382, 386, 482, 582 and assoc. switches and switch 783 | x | | | | | | | | |
| 239 | | 230/115-kV transformer KV1A | x | | | | | | | | |
| 240 | | 115-kV breakers 1362, 1462, 1662 and assoc. switches, switches 1161 and 1165 | x | | | | | | | | |
| 241 | | reactor KW7A, breaker 724 and assoc switches | x | | | | | | | | |
| 242 | | station service K2, K1 and assoc switches | x | | | | | | | | |
| 243 | | 13.8-kV SS to Miles City DC Converter Station | x | | | | | | | | |
| 244 | Miles City 3 | All Facilities and Equipment | x | | | | | | | | |
| 245 | Mission | 115-kV breakers 162, 262, 462 and assoc. switches, switches 863, 865 | x | | | | | | | | |
| 246 | | reactors KY30A, KY31A, KY7A | x | | | | | | | | |
| 247 | | capacitors PY30A, PY31A | x | | | | | | | | |
| 248 | | 115-kV breakers 764, 3064, 3164 and assoc. switches | x | | | | | | | | |
| 249 | | station service KX2A, KX1A and switches 243x, 253x | x | | | | | | | | |
| 250 | Morris | 230-kV breakers 182, 382, 482, 582 and assoc switches | x | | | | | | | | |
| 251 | | 230/115-kV transformer KV1A | x | | | | | | | | |
| 252 | | 115-kV breakers 1162, 1462, 1562, 1762 and assoc switches | x | | | | | | | | |
| 253 | | station service KW1B and switches 512x | x | | | | | | | | |
| 254 | Mount Vernon | 115-kV breakers 162, 262 and assoc switches | x | | | | | | | | |
| 255 | | station service KZ1A and assoc switches | x | | | | | | | | |
| 256 | | 115/69 kV transformer KY1A | | x | | | | | | | One East River member and one municipal customer served through KY1A and East River 1952 (Central and City of Plankinton) |
| 257 | Nelson Tap | 115-kV switches 176x, 196x | x | | | | | | | | |

| | | | | | | | | | | | | |
|-----|----------------|---|---|---|---|--|--|--|--|--|--|---|
| 302 | Sioux City 2 | 345-kV breakers 8498, 8592, 8692, 8696 and assoc switches | x | | | | | | | | | |
| 303 | | reactor KU6A | x | | | | | | | | | |
| 304 | | 345/230-kV transformers KU1A, KU1B, switches 8091, 8081, 8291, 8281 | x | | | | | | | | | |
| 305 | | 230-kV breakers 7382, 7482 and assoc switches | x | | | | | | | | | |
| 306 | | reactors KW10A, KW10B, breakers 5522, 5622 and assoc switches | x | | | | | | | | | |
| 307 | | station service K1, K2 and assoc switches | x | | | | | | | | | |
| 308 | Sioux Falls | 230-kV breakers 2182, 2282, 2382, 2482, 2582, 2682, 2782, 9182 and assoc switches | x | | | | | | | | | |
| 309 | | 230/115-kV transformers KV3A, KV5A | x | | | | | | | | | |
| 310 | | reactors KW31A, KW51A | x | | | | | | | | | |
| 311 | | breakers 3124, 5124 and assoc switches | x | | | | | | | | | |
| 312 | | station service KW33A, KW53A, KZ1A, switches 33xx, 53xx, 1851 | x | | | | | | | | | |
| 313 | | 115-kV breakers 162, 262, 362, 462, 562, 662, 762, 966, 7162 and assoc switches | x | | | | | | | | | |
| 314 | Spencer | 161-kV breakers 462, 562 and assoc switches | x | | | | | | | | | |
| 315 | | 161-kV switches 161, 165, 864, 964 | x | | | | | | | | | |
| 316 | | 161/69-kV transformers KY1A, KY1B | x | | | | | | | | | |
| 317 | | 69-kV breakers 1142, 1242, 1442, 1542 and assoc switches | x | x | | | | | | | | to NIPCO and Wisdom Sub |
| 318 | | 69-kV switches 1343, 1345 | x | | | | | | | | | |
| 319 | | KZ1A, switches 843, 845, 847, 849, 947 | x | | | | | | | | | |
| 320 | | station service KW1C and assoc switches | x | | | | | | | | | |
| 321 | Stegall | 230 kV main and transfer bus, break 382 and assoc switches | x | | | | | | | | | |
| 322 | | Reactor KV3A, breaker 384 and assoc. switches | x | | | | | | | | | |
| 323 | Summit | 115-kV breakers 262, 362, 462, 562, 762, and assoc switches , switch 163 | x | | | | | | | | | |
| 324 | | station service KZ1A, switch 1351 | x | | | | | | | | | |
| 325 | | 115/69 kV transformer KY1A | | x | | | | | | | | Four East River members served through KY1A (Whetstone, Lake Region, Traverse, and Codington-Clark) |
| 326 | | 69 kV breaker 1152 and assoc. switches | | x | | | | | | | | Three East River members served through 1152 (Whetstone, Lake Region, and Traverse) |
| 327 | Tiber | 115-kV switches 1260, 1261 | | x | | | | | | | | 2 customers (generator and Marias) |
| 328 | Tyndall | 115-kV switches 16x, 26x, 361 | x | | | | | | | | | |
| 329 | | Station Service KZ1A and switches 351 and 751 | x | | | | | | | | | |
| 330 | Utica Junction | 230-kV breakers 382, 486, 582, 686 and assoc switches | x | | | | | | | | | |
| 331 | | 230/115-kV transformer KV3A | x | | | | | | | | | |
| 332 | | 115-kV breakers 1266, 1362, 1562, 1762 and assoc switches | x | | | | | | | | | |
| 333 | | station service KW3A and assoc switches | x | | | | | | | | | |
| 334 | Valley City | 115-kV 162, 262, 362, 462, 562 and assoc switches | x | | | | | | | | | |
| 335 | | 115/69-kV transformer KY1A | | x | x | | | | | | | 2 customers (Minnkota Power and City of Valley City) |
| 336 | | station service KW2A and switch 321 | x | | | | | | | | | |
| 337 | Virgil Fodness | 230-kV breakers 382, 386, 482, 486 and assoc switches | x | | | | | | | | | |
| 338 | | 230-kV switches 185 and 283 | x | | | | | | | | | |
| 339 | Wall | 115-kV switches 16x, 26x, 36x, 461 | x | | | | | | | | | |
| 340 | | station service KW1B, switch 821 | x | | | | | | | | | |
| 341 | Ward | 230-kV breakers 182, 282, 286 and assoc switches | x | | | | | | | | | |
| 342 | Washburn | 230-kV switches 18x, 28x | x | | | | | | | | | |
| 343 | | station service KX3A, KW9A and assoc switches | x | | | | | | | | | |

FACILITIES - Included per AI

[illegible]

[illegible]

[illegible]

[illegible]

| | | | | | | | | | |
|-----|--|------------------------------------|--|--|---|--|--|--|--|
| 602 | DEVILS LAKE FIBER REGEN | | | | x | | | | |
| 603 | DEVILS LAKE REPEATER | | | | x | | | | |
| 604 | DICKINSON | communications equipment | | | x | | | | |
| 605 | DODSON REPEATER | | | | x | | | | |
| 606 | DOGDEN BUTTE | | | | x | | | | |
| 607 | DRISCOLL | | | | x | | | | |
| 608 | DUPREE REPEATER | | | | x | | | | |
| 609 | DUTTON REPEATER (BEFP) | | | | x | | | | |
| 610 | EAGLE | microwave, RTU, SCADA | | | x | | | | |
| 611 | EAST RAINY BUTTE | | | | x | | | | |
| 612 | ECKELSON | | | | x | | | | |
| 613 | E. J. MANNING | fiber, microwave, SCADA | | | x | | | | |
| 614 | ELKTON | | | | x | | | | |
| 615 | ELLENDALE REPEATER | | | | x | | | | |
| 616 | ELLSWORTH AIR BASE | | | | x | | | | |
| 617 | ERHARD | | | | x | | | | |
| 618 | EXIRA REPEATER | | | | x | | | | |
| 619 | F. L. BLAIR | | | | x | | | | |
| 620 | FAIRPOINT REPEATER | | | | x | | | | |
| 621 | FALLON REPEATER | | | | x | | | | |
| 622 | FERGUS FALLS COMMUNICATIONS SITE | | | | x | | | | |
| 623 | FLOWING WELLS | | | | x | | | | |
| 624 | FORBES COMMUNICATION SITE | | | | x | | | | |
| 625 | FORSYTH | radio, quarters, fence | | | x | | | | |
| 626 | FORT PECK RELAY (WES) | | | | x | | | | |
| 627 | FORT PECK COMMUNICATIONS BUILDING | | | | x | | | | |
| 628 | FORT PECK REPEATER | | | | x | | | | |
| 629 | Fort Randall | Multiplexer, Termination Equipment | | | x | | | | |
| 630 | FORT THOMPSON REPEATER | | | | x | | | | |
| 631 | FORT THOMPSON REPEATER (EAST RIVER) | | | | x | | | | |
| 632 | FOX CREEK MICROWAVE | | | | x | | | | |
| 633 | FRYBURG SUB & MICROWAVE | | | | x | | | | |
| 634 | GARRISON | | | | x | | | | |
| 635 | GARY REPEATER | | | | x | | | | |
| 636 | GAVIN'S POINT | | | | x | | | | |
| 637 | GAVINS POINT REPEATER | | | | x | | | | |
| 638 | GETTYSBURG REPEATER | | | | x | | | | |
| 639 | GLENHAM | | | | x | | | | |
| 640 | GRAND FORKS MINNKOTA (MPC) | | | | x | | | | |
| 641 | HAILSTONE BUTTE | | | | x | | | | |
| 642 | HALLOWAY REPEATER | | | | x | | | | |
| 643 | HARLEM | microwave, RTU | | | x | | | | |
| 644 | HARLEM REPEATER | | | | x | | | | |
| 645 | HATHAWAY | | | | x | | | | |
| 646 | HERMOSA MICROWAVE | | | | x | | | | |
| 647 | HETTINGER | RTU, PTs | | | x | | | | |
| 648 | HIGHLAND REPEATER | | | | x | | | | |

| | | | | | | | | | | | | |
|-----|--------------------------------|-----------------------------------|---|--|--|---|--|--|--|--|--|--|
| 649 | HIGHMORE REPEATER | | | | | x | | | | | | |
| 650 | HIGHWOOD | meters NWMT NITS from Great Falls | | | | x | | | | | | |
| 651 | HINSDALE | | | | | x | | | | | | |
| 652 | HINSDALE REPEATER | | | | | x | | | | | | |
| 653 | HOPEWELL REPEATER | | | | | x | | | | | | |
| 654 | HUNTER MICROWAVE | | | | | x | | | | | | |
| 655 | HURON DISTRICT OFFICE | | | | | x | | | | | | |
| 656 | HYSHAM | | | | | x | | | | | | |
| 657 | JAMESTOWN REPEATER | | | | | x | | | | | | |
| 658 | JONES CREEK | | | | | x | | | | | | |
| 659 | KELLY CREEK | | | | | x | | | | | | |
| 660 | KILLDEER REPEATER | | x | | | x | | | | | | |
| 661 | KNEE HILL MW | | | | | x | | | | | | |
| 662 | LAC QUI PARLE | | | | | x | | | | | | |
| 663 | LAKE ANDES REPEATER | | | | | x | | | | | | |
| 664 | LEFOR | | | | | x | | | | | | |
| 665 | LINDSAY RIDGE | | | | | x | | | | | | |
| 666 | LINTON COMMUNICATIONS SITE | | | | | x | | | | | | |
| 667 | LITTLE MISSOURI SUBSTATION | | | | | x | | | | | | |
| 668 | LODGEPOLE REPEATER | | | | | x | | | | | | |
| 669 | MALLARD | RTU, SCADA | | | | x | | | | | | |
| 670 | MALTA | microwave, RTU | | | | x | | | | | | |
| 671 | MALTA REPEATER | | | | | x | | | | | | |
| 672 | Mandan | multiplexer | | | | x | | | | | | |
| 673 | MANDAN MICROWAVE SITE | | | | | x | | | | | | |
| 674 | MAPLE RIVER | | | | | x | | | | | | |
| 675 | MARTIN REPEATER | | | | | x | | | | | | |
| 676 | MAYVILLE | | | | | x | | | | | | |
| 677 | MIDLAND REPEATER | | | | | x | | | | | | |
| 678 | MILES CITY SUB (BEFP) | | | | | x | | | | | | |
| 679 | MOE REPEATER | | | | | x | | | | | | |
| 680 | MOORHEAD | | | | | x | | | | | | |
| 681 | MORRIS REPEATER & MICROWAVE | | | | | x | | | | | | |
| 682 | NEWCASTLE REPEATER | | | | | x | | | | | | |
| 683 | OAHE | | | | | x | | | | | | |
| 684 | O'KREEK REPEATER | | | | | x | | | | | | |
| 685 | ORCHARD REPEATER | | | | | x | | | | | | |
| 686 | OTO MICROWAVE | | | | | x | | | | | | |
| 687 | OTTUMWA ROAD REPEATER SITE | | | | | x | | | | | | |
| 688 | PAGE N.D. | | | | | x | | | | | | |
| 689 | PAHOJA SUB | | | | | x | | | | | | |
| 690 | PEAK | | | | | x | | | | | | |
| 691 | PHILIP JCT. REPEATER | | | | | x | | | | | | |
| 692 | PINE RIDGE | | | | | x | | | | | | |
| 693 | POPLAR (MDU) | antenna, meters for MDU | | | | x | | | | | | |
| 694 | PRIMGHAR REPEATER | | | | | x | | | | | | |
| 695 | PUKWANNA REPEATER | | | | | x | | | | | | |
| 696 | RAPID CITY REPEATER | | | | | x | | | | | | |
| 697 | RICHARDSON COULEE | | | | | x | | | | | | |
| 698 | RICHARDSON COULEE REPEATER | | | | | x | | | | | | |

| | | | | | | | | | | | |
|-----|---|---|--|--|---|--|--|--|--|--|--|
| 699 | RICHLAND MW REPEATER (BEPS) | | | | x | | | | | | |
| 700 | ROCKY RIDGE REPEATER | | | | x | | | | | | |
| 701 | ROLLAG | | | | x | | | | | | |
| 702 | RUGBY REPEATER | | | | x | | | | | | |
| 703 | RUTLAND | | | | x | | | | | | |
| 704 | SACO | | | | x | | | | | | |
| 705 | Savage land, steel structure, meter equipment | | | | x | | | | | | |
| 706 | SENTINEL BUTTE | | | | x | | | | | | |
| 707 | SHEEP COULEE REPEATER | | | | x | | | | | | |
| 708 | SIOUX CITY REPEATER | | | | x | | | | | | |
| 709 | SIOUX FALLS REPEATER | | | | x | | | | | | |
| 710 | SIOUX PASS | | | | x | | | | | | |
| 711 | SNAKE BUTTE REPEATER | | | | x | | | | | | |
| 712 | SPALDING REPEATER | | | | x | | | | | | |
| 713 | SPIRIT MOUND | | | | x | | | | | | |
| 714 | STANLEY meters to MDU | | | | x | | | | | | |
| 715 | STRASBERG | | | | x | | | | | | |
| 716 | Sully Buttes fiber termination equipment | | | | x | | | | | | |
| 717 | SUMMIT REPEATER | | | | x | | | | | | |
| 718 | TAPPEN COMMUNICATIONS SITE | | | | x | | | | | | |
| 719 | TAPPEN REPEATER | | | | x | | | | | | |
| 720 | TENNANT COMMUNICATIONS SITE | | | | x | | | | | | |
| 721 | TORONTO REPEATER | | | | x | | | | | | |
| 722 | TRIPP REPEATER | | | | x | | | | | | |
| 723 | TURKEY RIDGE REPEATER | | | | x | | | | | | |
| 724 | TYLER REPEATER | | | | x | | | | | | |
| 725 | Verona comm, multiplex, battery | | | | x | | | | | | |
| 726 | VICTOR (EREC) | | | | x | | | | | | |
| 727 | VIDA | | | | x | | | | | | |
| 728 | V. T. HANLON SCADA | | | | x | | | | | | |
| 729 | WALL REPEATER | | | | x | | | | | | |
| 730 | WATERTOWN REPEATER | | | | x | | | | | | |
| 731 | WAYSIDE | | | | x | | | | | | |
| 732 | WESSINGTON SPGS. REPEATER | | | | x | | | | | | |
| 733 | WESTFIELD | | | | x | | | | | | |
| 734 | Whately (Northern) Instrument Transformer | | | | x | | | | | | |
| 735 | WHITE SWAN | | | | x | | | | | | |
| 736 | WHITLOCK (BCPS) | | | | x | | | | | | |
| 737 | WM. J. NEAL multiplexer | | | | x | | | | | | |
| 738 | WOLBACH REPEATER | | | | x | | | | | | |
| 739 | YANKTON JCT. multiplexer, channel bank, SCADA | | | | x | | | | | | |
| 740 | YELLOWTAIL SWITCHYARD (BEPS) | | | | x | | | | | | |
| 741 | | | | | | | | | | | |
| 742 | Miles City Converter Station | | | | | | | | | | |
| 743 | MILES CITY CONVERTER STATION - BEPS | x | | | | | | | | | |
| 744 | MILES CITY CONVERTER STATION - BEFP | x | | | | | | | | | |

[illegible]

One-Line Diagrams showing these included facilities are available upon request.

The diagrams include CEII material and therefore require execution of a Non-Disclosure Agreement with Western Area Power Administration - Upper Great Plains Region.

Criteria 1: Non-Radial above 60-kV / (b) Two or More Eligible Customers

Criteria 2: Interconnect Zones / Surrounding Entities

Criteria 3: Control and Protection

Criteria 4: High Side of Transformer

Criteria 5: DC Interconnection

Criteria 6: 7 Factor Test

* Based upon Attachment AI of SPP's Tariff and consistent with criteria set forth in the "Zone 19 (Upper Missouri Zone) - Attachment AI Guidance Document", dated 06/14/2016, as prepared by the Attachment AI Working Group in FERC docket ER15-1775-000.

| Western-UGP Facilities Excluded under AI January 1, 2016 Rates* | | | |
|---|------------------------|--|--|
| Line No. | Facility | Specific Plant NOT Included | Further Description |
| 1 | Substations | | |
| 2 | | | |
| 3 | Armour | 34.5-kV breaker 542 and assoc. switches | NWPS |
| 4 | | 115/34.5-kV transformer KY2A | |
| 5 | | 115-kV interrupter 462 and assoc. switches | |
| 6 | Aurora | 115-kV breaker 162, 362 and assoc. switches | |
| 7 | Belfield | 230-kV breaker 1482 and assoc switches | |
| 8 | Beresford | 69-kV breaker 1552 and assoc. switches | East River |
| 9 | | 12.47-kV switch 821, 823, 829 | City of Beresford |
| 10 | Big Bend | 230-kV interrupters 1081, 2081, 2081, 4081 and assoc switches | |
| 11 | Bisbee | 69/12.5-kV transformer KZ1A and switch 145 | |
| 12 | | 12.5-kV breaker 124 and assoc. switches | CPEC |
| 13 | Bismarck | 115-kV breaker 3462 and assoc. switches | Capitol Electric |
| 14 | | 12.5-kV switches 1527, 1529 | USBR |
| 15 | Bole | 69-kV breaker 1452 and 1252 and assoc. switches | NWMT |
| 16 | Bonesteel | 115-kV breaker 362 and assoc. switches | |
| 17 | | 115/12.47-kV transformer KY1A | |
| 18 | | 12.47-kV breaker 1422 and assoc. switches | Rosebud Electric |
| 19 | Buford Trenton Tap | All Not Included | |
| 20 | Buford Trenton Pumping | All Not Included | |
| 21 | Carrington | 115-kV interrupter 162 | protection for non-included transformer (transformer not owned by Western) |
| 22 | | 41.8-kV breakers 142, 242, 342, 442, 542, 642, 842 and assoc. switches | Otter Tail and CPE |
| 23 | Circle | 115-kV breaker 1162 and assoc. switches | Keystone |
| 24 | | 115-kV breaker 1262, 1362 and assoc. switches | McCone |
| 25 | | 115/34.5-kV transformer KY12A | |
| 26 | | 34.5-kV breaker 142 and assoc. switches | McCone |
| 27 | Conrad | 115-kV breaker 1062 and assoc. switches | Sun River |
| 28 | Custer | 69-kV breakers 2252, 2352 and assoc. switches | Yellowstone Valley and Mid-Yellowstone |
| 29 | Custer Trail | All Not Included | |
| 30 | Dawson County | 115-kV switch 1061 | protection for non-included transformer (transformer not owned by Western) |
| 31 | Denbigh Tap | Switches 1460, 1461 | |
| 32 | Denison | 69-kV breaker 2552 and assoc. switches | City of Denison |
| 33 | Devaul | All Not Included | |
| 34 | Devils Lake | 41.8-kV breaker 1442 and assoc. switches | Otter Tail normally open-emergency tie |
| 35 | | 12.5-kV breaker 1122 and assoc. switches | Minnkota |
| 36 | Eagle Butte | 115/69-kV transformer KY1A and 115-kV interrupter 762 | |
| 37 | | 69-kV breaker 1752 and assoc. switches | Moreau Grand |
| 38 | Edgeley | 115/41.8-kV transformer KY2A | |
| 39 | | 115-kV breaker 362 | |
| 40 | | 41.8-kV breaker 2342 and assoc. switches | Otter Tail |
| 41 | | 69-kV breaker 1252 and assoc. switches | |
| 42 | Elk Creek | 115-kV ground switch 1160 | |
| 43 | Elliot | 115-kV interrupter 2063 and assoc. switches, 115-kV switch 369 | |
| 44 | Enderlin Tap | Remove Interrupter 1862 and assoc. switches | |
| 45 | Exira | Switches 169, 369, 569 | Generator Lead |
| 46 | Faith | 115/12.47-kV tranformer KY1A and 115-kV interrupter 362 | |
| 47 | | 12.47-kV breaker 1022 and assoc. switches | City of Faith |
| 48 | Fallon Pumping | All Not Included | |
| 49 | Fallon Relift | All Not Included | |
| 50 | Flandreau | 12.47-kV switches 3121, 3122, 3123, 3129, 3223 | City of Flandreau |
| 51 | Forman | 69-kV breaker 452 and assoc. switches | |
| 52 | | 69/41.8-kV transformer KZ3A and 69-kV switches 353, 355 | |
| 53 | | 115-kV breaker 1662 and assoc. switches | |
| 54 | | 41.8-kV breaker 2142 and assoc. switches | Otter Tail |
| 55 | | 41.8/12.5-kV transformer KX6A and switch 1443 | |
| 56 | | 12.5-kV breaker 2222 and assoc. switches | Dakota Valley |
| 57 | Fort Randall | 115-kV breaker 962 and assoc. switches | |
| 58 | Fort Thompson | 69-kV breaker 4452 and assoc. switches | West Central |

| | | | |
|-----|----------------------------|--|--|
| 59 | Frazer Pumping | All Not Included | |
| 60 | Garrison | 115-kV breakers 462, 562 and assoc switches | generator leads |
| 61 | Gavins Point | 115-kV breakers 162, 262, 362 and assoc. switches | generator leads |
| 62 | Glendive Pumping No. 1 Tap | All Not Included | |
| 63 | Glendive Pumping No. 1 | All Not Included | |
| 64 | Granite Falls | 69-kV breakers 4352, 4452, 4552, 4652 and assoc. switches | GRE normally open and Minn. Valley |
| 65 | | 115/69-kV transformer KY2A | |
| 66 | | 115-kV breaker 3262 and assoc. switches | |
| 67 | Gregory | 115-kV Disconnect Switch 463 | protection for non-included transformer (transformer not owned by Western) |
| 68 | | 12.47-kV breaker 422 and asswoc. Switches | |
| 69 | Groton | 69-kV breakers 1352 and 1552 and assoc. switches | East River |
| 70 | Havre | 12.5-kV breaker 822 and assoc. switches | Hill County |
| 71 | Hilken | take-off structure to Baldwin Wind | generator lead |
| 72 | Huron | 115-kV switches 1261, 1265 | |
| 73 | | 115/69-kV transformer KY1A | |
| 74 | | 69-kV breakers 1952, 2052 and assoc. switches | East River |
| 75 | Intake | All Not Included | |
| 76 | Intake Pumping | All Not Included | |
| 77 | Jamestown | 115/41.8-kV transformers KY1A and KY2A | |
| 78 | | 115-kV breaker 662 and assoc. switches | |
| 79 | | 41.8-kV breaker 1142 and assoc. switches | Otter Tail, Normally Open - emergency tie |
| 80 | | 12.47-kV breaker 1522, 1722 and assoc. switches | |
| 81 | Killdeer | 115/41.8-kV transformer KY4A and switch 469 | |
| 82 | | 41.8-kV breaker 442, 642 and switches 343, 345 | MDU and Upper Mo. |
| 83 | Lakota | 12.5-kV breaker 1022 and assoc. switches | City of Lakota |
| 84 | | 69-kV breaker 152 and assoc. switches | |
| 85 | | 115/69-kV transformer KY1A, switches 362, 363 | |
| 86 | Leeds | 69/12.5-kV transformer KZ3A and switch 645 | |
| 87 | | 12.5-kV breaker 624 and assoc. switches | CPEC |
| 88 | Martin | 115/34.5-kV tranformer KY1A and interrupter 962 | |
| 89 | | 34.5-kV breaker 1242 and assoc. switches | LaCreek |
| 90 | Maurine | 115/69-kV transformer KY1A and switches 1263, 1265 | |
| 91 | | 69-kV breaker 2252 and assoc. switches | Grand Electric |
| 92 | Midland | Capacity Rights in 115/69 kV Transformer KY1A | |
| 93 | Mission | 115/24.9-kV transformer KY1A and interrupter 362 | Cherry-Todd |
| 94 | Morris | 41.8-kV breakers 3132, 3232, 3332 and assoc switches | |
| 95 | | 115/41.8-kV transformer KY3A | |
| 96 | | 115-kV breaker 1362 and assoc switches | |
| 97 | Mount Vernon | 69-kV breaker 1852 and assoc. switches | East River |
| 98 | Nashua Tap | All Not Included | |
| 99 | Nelson Tap | Switch 1861 | |
| 100 | Newell | 69-kV breakers 2252, 2452 and assoc. switches | Rushmore |
| 101 | New Underwood | 13.8 kV interrupter 4423 and assoc. switch | |
| 102 | Oahe | 230-kV breakers 2882, 2482, 2486, 2082, 1162 and assoc. switches | generator lead |
| 103 | | 115-kV breaker 1162 and assoc. switches | generator lead |
| 104 | O'Fallon Creek | 12.47-kV breaker 522 and assoc. switches and equipment | MDU |
| 105 | Penn Tap | Switches 1860, 1861 | |
| 106 | Philip | 115/69-kV transformer KY1A and switches 1963 | |
| 107 | | 69-kV breaker 2152 and assoc. switches | West Central |
| 108 | Pierre | 115/12.47-kV transformer KY1A and 115-kV interrupter 762 | |
| 109 | | 12.47-kV breakers 2212, 2312, 2412 and assoc. switches | City of Pierre |
| 110 | Pleasant Lake Tap | Switched 760, 761 | |
| 111 | Rapid City | 115/12.47-kV transformer KY1A | |
| 112 | Richland | All Not Included | |
| 113 | Rudyard | 115/69/12.5-kV transformer KY1A and interrupter 362 | |
| 114 | | 69-kV breaker 752 and assoc. switches | Hill County |
| 115 | | 12.5-kV breaker 422 and assoc. switches | Hill County |
| 116 | Rugby | 115/41.8-kV transformer KY1A and switches 1163, 1165 | |
| 117 | | 41.8-kV breaker 2142 and assoc. switches | Otter Tail |
| 118 | Savage Pumping | All Not Included | |

| | | | |
|--|--------------------|--|--|
| 119 | Shelby | All Not Included | |
| 120 | Shelby 2 | 115-kV breaker 1162 and assoc. switches | to Shelby |
| 121 | Shirley Pumping | All Not Included | |
| 122 | Sioux Falls | 115-kV breaker 862 and assoc. switches | East River |
| 123 | | 69-kV breaker 1552 and assoc. switches | East River |
| 124 | Spencer | 69-kV breaker 1642 and assoc. switches | City of Spencer |
| 125 | Summit | 41.8-kV breakers 2142, 2242 and assoc. switches | |
| 126 | | 115/41.8-kV transformer KY1B | |
| 127 | | 115-kV interrupter 862 and switch 861 | |
| 128 | Terry Pumping | All Not Included | |
| 129 | Terry Tap | 115/34.5-kV transformer KY1A and switch 363 | |
| 130 | | 34.5-kV breaker 342 and assoc. switches | Buffalo Rapids and MDU |
| 131 | Tiber | 115/12.5-kV transformer KY1A and breaker 1262 | |
| 132 | | 12.5-kV breaker 122 and assoc. switches | USBR |
| 133 | Tyndall | 69-kV breaker 452 and assoc. switches | East River |
| 134 | | 115-kV interrupter 362 | protection for non-included transformer (transformer not owned by Western) |
| 135 | Valley City | 69-kV breakers 344, 1144 and assoc. switches | City of Valley City |
| 136 | Wall | 115/12.47-kV transformer KY1B and interrupters 461 and 562 | |
| 137 | | 12.47-kV breaker 622 and assoc. switches | West River |
| 138 | Ward | 230-kV Switch 889 | |
| 139 | Washburn | 230/41.8-kV transformer KU1A and breaker 282 | |
| 140 | | 41.8-kV breaker 342 and assoc. switches | Otter Tail - emergency tie |
| 141 | Watford City | 115-kV interrupter 162 | protection for non-included transformer (transformer not owned by Western) |
| 142 | Wessington Springs | 230-kV switch 989 | generator outlet |
| 143 | Whately | 69/12.5-kV transformer KYA and switches 253, 257 | |
| 144 | | 12.5-kV breaker 224 and assoc. switches | Norval |
| 145 | Wicksville | 115-kV interrupter 362 | protection for non-included transformer (transformer not owned by Western) |
| 146 | | 24.9-kV breaker 1032 and assoc. switches | West River |
| 147 | Williston | 60-kV breaker 3552 and assoc. switches | MDU non-credited line |
| 148 | Williston 2 | 115-kV breaker 2562 and assoc. switches | |
| 149 | Winner | 12.47-kV breakers 2222, 2422, 2523 and assoc. switches | City of Winner and Rosebud Electric |
| 150 | Wiota | All Not Included | |
| 151 | Wiota Tap | All Not Included | |
| 152 | Wolf Point | 115/34.5-kV transformer KY1A and switches 1963, 1965 | |
| 153 | | 34.5-kV breakers 2142, 2242, 2342, 2442 and assoc. switches | MDU and Norval |
| 154 | | 12.5-kV breakers 3222, 3322, 3422 and assoc. switches | Norval and McCone |
| 155 | Woonsocket | 34.5-kV breakers 442 and 542 and assoc. switches | NWPS and City of Wessington Springs |
| 156 | | 115/69-kV transformer KY1B and 115-kV breaker 862 | |
| 157 | | Mobile Transformer 115/34.5-kV | |
| 158 | | 115-kV interrupters 362 and 862 and assoc. switches, switch M263, M261 | |
| 159 | Transmission Lines | | |
| 160 | SHELBY-SHELBY2 | 115-kV | |
| * Based upon Attachment AI of SPP's Tariff and consistent with criteria set forth in the "Zone 19 (Upper Missouri Zone) - Attachment AI Guidance Document", dated 06/14/2016, as prepared by the Attachment AI Working Group in FERC docket ER15-1775-000. | | | |

| Western-UGP 2016 Actual (SPP) | | | | | | | | | | |
|-------------------------------|--|--------------------|--------------------|-------------|------------|---------------|--------|-------------|--------|---------------|
| Line No. | (1) | WESTERN-UGP (2) | WESTERN-RMR (3) | COE (4) | BOR (5) | TOTAL (6) | | | | |
| 1 | Net Plant Investment Worksheet | | | | | | | | | |
| 2 | Total PS Plant-in-Service | 1,318,503,106 | 1/ | 779,116,202 | 2/ | 1,062,633,395 | 3/ | 489,861,972 | 12/ | 3,650,114,674 |
| 3 | PS-ED Transmission Plant-in-Service | 1,256,484,013 | 4/ | 7,324,885 | 5/ | 74,086,097 | 6/ | 0 | | 1,337,894,994 |
| 4 | PS-ED Generation Plant-in-Service | 18,327,616 | 7/ | 0 | | 988,547,298 | L2-L3 | 489,861,972 | L2-L3 | 1,496,736,886 |
| 5 | PS-ED SSCD Plant-in-Service | 11,444,680 | 8/ | | | | | | | |
| 6 | Generation Plant to Total Plant | 0.01390 | L4/L2 | 0.00000 | L4/L2 | 0.93028 | L4/L2 | 1.00000 | L4/L2 | |
| 7 | Transmission Plant to Total Plant | 0.95296 | L3/L2 | 0.00940 | L3/L2 | 0.06972 | L3/L2 | 0.00000 | L3/L2 | |
| 8 | SSCD Plant to Total Plant | 0.00868 | L5/L2 | | | | | | | |
| 9 | PS Accumulated Depreciation | 633,469,449 | 9/ | 364,537,798 | 10/ | 593,640,806 | 11/ | 284,935,758 | 13/ | 1,876,583,812 |
| 10 | PS-ED Trans. Accumulated Depreciation | 603,672,629 | L7*L9 | 3,427,213 | L7*L9 | 41,388,244 | L7*L9 | 0 | L7*L9 | 648,488,086 |
| 11 | PS-ED Gen. Accumulated Depreciation | 8,805,428 | L6*L9 | 0 | L6*L9 | 552,252,562 | L9-L10 | 284,935,758 | L6*L9 | 845,993,749 |
| 12 | PS-ED SSCD Accumulated Depreciation | 5,498,550 | | | | | | | | 5,498,550 |
| 13 | PS-ED Net Transmission Plant | 652,811,385 | L3-L10 | 3,897,671 | L3-L9 | 32,697,853 | L3-L10 | 0 | L3-L10 | 689,406,909 |
| 14 | PS-ED Net Generation Plant | 9,522,187 | L4-L11 | 0 | L4-L10 | 436,294,736 | L4-L11 | 204,926,214 | L4-L11 | 650,743,138 |
| 15 | PS-ED Net SSCD Plant | 5,946,130 | L5-L12 | | | | | | | 5,946,130 |
| 15 | 1/ Transmission Plant-in-Service Worksheet, C2L480 | | | | | | | | | |
| 16 | 2/ RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 1 | | | | | | | | | |
| 17 | 3/ Corps of Engineers Financial Statements, Electric and Power Multi-Purpose Plant in Service | | | | | | | | | |
| 18 | 4/ Transmission Plant-in-Service Worksheet, C5L480 | | | | | | | | | |
| 19 | 5/ Transmission Plant-in-Service Worksheet, C4L476 | | | | | | | | | |
| 20 | 6/ Transmission Plant-in-Service Worksheet, C4L478 | | | | | | | | | |
| 21 | 7/ Transmission Plant-in-Service Worksheet, C3L480 | | | | | | | | | |
| 22 | 8/ SSCD Plant-in-Service is based on a percentage of Watertown Operations Centers cost, based on FTE | | | | | | | | | |
| 23 | 9/ UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 4 | | | | | | | | | |
| 24 | 10/ RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 4 | | | | | | | | | |
| 25 | 11/ Corps of Engineers Financial Statements, Statement of Assets and Liabilities | | | | | | | | | |
| 26 | 12/ Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedule 15 | | | | | | | | | |
| 27 | 13/ Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedule 17 | | | | | | | | | |

| Western-UGP 2016 Actual (SPP) | | | | | | | | | |
|-------------------------------|---|--------------------|----|--------------------|----|------------|----|------------|---------------|
| Line No. | (1) | WESTERN-UGP (2) | | WESTERN-RMR (3) | | COE (4) | | BOR (5) | TOTAL (6) |
| 1 | Depreciation Worksheet | | | | | | | | |
| 2 | PS Depreciation Expense | 30,654,828 | 1/ | 18,424,185 | 2/ | 12,032,095 | 3/ | 3,231,667 | 4/ 64,342,774 |
| 3 | PS-ED Transmission Depreciation 5/ | 29,212,901 | | 173,216 | | 838,870 | | 0 | 30,224,986 |
| 4 | PS-ED Generation Depreciation 6/ | 426,112 | | 0 | | 11,193,225 | | 3,231,667 | 14,851,004 |
| 5 | PS-ED SSCD Depreciation 7/ | 266,086 | | | | | | | 266,086 |
| 5 | 1/ FY UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 4 | | | | | | | | |
| 6 | 2/ FY RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 4 | | | | | | | | |
| 7 | 3/ FY Corps of Engineers Statement of Revenues and Expenses | | | | | | | | |
| 8 | 4/ From data provided by BOR | | | | | | | | |
| 9 | 5/ For UGPR, RMR, COE, and BOR the portion of depreciation expense allocated to PS-ED transmission is based on the ratio of transmission plant-in-service to total plant-in-service, | | | | | | | | |
| 10 | calculated on L7 of the Net Plant Investment Worksheet | | | | | | | | |
| 11 | 6/ For UGPR, RMR and BOR the portion of depreciation expense allocated to PS-ED generation is based on the ratio of generation plant-in-service to total plant-in-service, calculated | | | | | | | | |
| 12 | on L6 of the Net Plant Investment Worksheet. COE generation depreciation is COE total depreciation less transmission depreciation | | | | | | | | |
| 13 | 7/ For UGPR, the portion of depreciation expense allocated to PS-ED SSCD is based on the ratio of SSCD plant-in-service to total plant in service, calculated on L8 of the Net Plant | | | | | | | | |
| 14 | Investment Worksheet | | | | | | | | |

| Western-UGP 2016 Actual (SPP) | | | | | | | | | | |
|-------------------------------|---|--------------------|-------|--------------------|-------|-------------|-------|-------------|-------|---------------|
| Line No. | (1) | WESTERN-UGP (2) | | WESTERN-RMR (3) | | COE (4) | | BOR (5) | | TOTAL (6) |
| 1 | Cost of Capital Worksheet | | | | | | | | | |
| 2 | Long Term Debt: | | | | | | | | | |
| 3 | FY 2015 Balances | 853,298,759 | 1/ | 468,408,981 | 1/ | 513,774,706 | 1/ | 184,478,122 | 1/ | 2,019,960,568 |
| 4 | Interest Expenses: | | | | | | | | | |
| 5 | FY 2015 Interest | 42,597,309 | 13/ | 27,845,333 | 13/ | 17,970,756 | 2/ | 8,600,278 | 2/ | 97,013,676 |
| 6 | Average Interest Rate | 4.992% | L6/L3 | 5.945% | L6/L3 | 3.498% | L6/L3 | 4.662% | L6/L3 | |
| 7 | Transmission Plant Factor | 0.9391 | 3/ | 0.0055 | 4/ | 0.0554 | 5/ | 0.0000 | 6/ | |
| 8 | Weighted Trans. Composite Rate | | | | | | | | | 4.915% 7/ |
| 9 | Generation Plant Factor | 0.0122 | 8/ | 0.0000 | 9/ | 0.6605 | 10/ | 0.3273 | 11/ | |
| 10 | Weighted Gen. Composite Rate | | | | | | | | | 3.897% 12/ |
| 11 | 1/ Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedules 21X and 21RX | | | | | | | | | |
| 12 | 2/ Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedule 33, 33A and ROOs Schedule 5 | | | | | | | | | |
| 13 | 3/ C2L3, Net Plant Investment Worksheet/C6L3, Net Plant Investment Worksheet | | | | | | | | | |
| 14 | 4/ C3L3, Net Plant Investment Worksheet/C6L3, Net Plant Investment Worksheet | | | | | | | | | |
| 15 | 5/ C4L3, Net Plant Investment Worksheet/C6L3, Net Plant Investment Worksheet | | | | | | | | | |
| 16 | 6/ C5L3, Net Plant Investment Worksheet/C6L3, Net Plant Investment Worksheet | | | | | | | | | |
| 17 | 7/ (C2L6*C2L7)+(C3L6*C3L7)+(C4L6*C4L7)+(C5L6*C5L7) | | | | | | | | | |
| 18 | 8/ C2L4, Net Plant Investment Worksheet/C6L4, Net Plant Investment Worksheet | | | | | | | | | |
| 19 | 9/ C3L4, Net Plant Investment Worksheet/C6L4, Net Plant Investment Worksheet | | | | | | | | | |
| 20 | 10/ C4L4, Net Plant Investment Worksheet/C6L4, Net Plant Investment Worksheet | | | | | | | | | |
| 21 | 11/ C5L4, Net Plant Investment Worksheet/C6L4, Net Plant Investment Worksheet | | | | | | | | | |
| 22 | 12/ (C2L6*C2L9)+(C3L6*C3L9)+(C4L6*C4L9)+(C5L6*C5L9) | | | | | | | | | |
| 23 | 13/ Interest from Results of Operations Schedule 5 | | | | | | | | | |

| Western-UGP 2016 Actual (SPP) | | | | | | |
|-------------------------------|---|------------------------|-----------------------|---------------|---------------|--------------|
| Line No. | (1) | WESTERN-UGP (2) | WESTERN RMR (3) | COE (4) | BOR (5) | TOTAL (6) |
| 1 | A&G Expenses Worksheet | | | | | |
| 2 | Object Class | WESTERN UGPR 1/ | WESTERN RMR 2/ | COE 3/ | BOR 3/ | Total |
| 3 | 1411 | 2,263,778 | 1,659,985 | 0 | 0 | 3,923,762 |
| 4 | 1412 | 7,060,415 | 2,162,832 | 0 | 0 | 9,223,247 |
| 5 | 1415 | 33,656 | 31,646 | 0 | 0 | 65,303 |
| 6 | 1416 | 19,874 | 39,317 | 0 | 0 | 59,191 |
| 7 | 1421 | 1,286,157 | 816,200 | 0 | 0 | 2,102,356 |
| 8 | 1422 | 665,760 | 5,763 | 0 | 0 | 671,522 |
| 9 | 1425 | 12,896 | 12,126 | 0 | 0 | 25,022 |
| 10 | 1426 | 11,850 | 1,550 | 0 | 0 | 13,400 |
| 11 | 1431 | 0 | 0 | 0 | 0 | 0 |
| 12 | 1432 | 1,492 | 0 | 0 | 0 | 1,492 |
| 13 | 1441 | 4,245,737 | 2,267,587 | 0 | 0 | 6,513,324 |
| 14 | 1442 | 1,742,600 | 125,410 | 0 | 0 | 1,868,009 |
| 15 | PS Total A&G | 17,344,215 | 7,122,416 | 0 | 0 | 24,466,631 |
| 16 | PS-ED Transmission A&G 4/ | 16,528,386 | 66,962 | 0 | 0 | 16,595,348 |
| 17 | PS-ED Generation A&G 5/ | 241,090 | 0 | 0 | 0 | 241,090 |
| 18 | PS-ED SSCD A&G 6/ | 150,549 | 0 | 0 | 0 | 150,549 |
| 19 | 1/ Western-UGP A&G Expenses are from the UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 11A | | | | | |
| 20 | 2/ Western RMR A&G Expenses are from the RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 11A | | | | | |
| 21 | 3/ A&G Expenses for COE and BOR are unavailable. All COE and BOR A&G expenses are included in O&M Expenses | | | | | |
| 22 | 4/ The portion of A&G expenses allocated to PS-ED transmission is based on the ratio of transmission plant-in-service to total plant-in-service, calculated on L7 of the Net Plant Investment Worksheet | | | | | |
| 23 | Investment Worksheet | | | | | |
| 24 | 5/ The portion of A&G expenses allocated to PS-ED generation is based on the ratio of generation plant-in-service to total plant-in-service, calculated on L6 of the Net Plant Investment Worksheet | | | | | |
| 25 | Investment Worksheet | | | | | |
| 26 | 6/ The portion of A&G expenses allocated to PS-ED SSCD is based on the ratio of SSCD plant-in-service to total plant-in-service, calculated on L8 of the Net Plant Investment Worksheet | | | | | |

| Western-UGP 2016 Actual (SPP) | | | | | | |
|-------------------------------|--|-----------------------|-----------------------|---------------|---------------|--------------|
| Line No. | (1) | WESTERN-UGP (2) | WESTERN RMR (3) | COE (4) | BOR (5) | TOTAL (6) |
| 1 | O&M Expenses Worksheet | | | | | |
| 2 | | WESTERN-UGP 1/ | WESTERN-RMR 2/ | COE 3/ | BOR 4/ | Total |
| 3 | Total Electric Operating Expense | 191,291,146 | 78,469,665 | 46,357,568 | 47,596,658 | 363,715,036 |
| 4 | Less: | | | | | |
| 5 | Other Power Supply Expenses | 107,056,750 | 25,245,701 | | | 132,302,450 |
| 6 | A&G Expenses | 17,344,215 | 7,122,416 | | | 24,466,631 |
| 7 | Prior Year Adjustments | 63,086 | 0 | | | 63,086 |
| 8 | Plus: | | | | | |
| 9 | Moveable Property Interest | 705,061 | 307,204 | | | 1,012,265 |
| 10 | Warehouse Stores Interest | 101,218 | 63,405 | | | 164,623 |
| 11 | Scheduling, System Control & Dispatch | 11,068,743 | 0 | | | 11,068,743 |
| 12 | PS Total O&M | 67,633,375 | 46,472,157 | 46,357,568 | 47,596,658 | 208,059,758 |
| 13 | PS-ED Transmission O&M 5/ | 64,452,070 | 436,909 | 3,232,019 | 0 | 68,120,998 |
| 14 | PS-ED Generation O&M 6/ | 940,126 | 0 | 43,125,549 | 47,596,658 | 91,662,333 |
| 15 | 1/ All Western-UGP O&M Expenses are from the UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 11; except | | | | | |
| 16 | Moveable Property and Warehouse Stores Interest, which are from Schedule 5 | | | | | |
| 17 | 2/ All Western RMR O&M Expenses are from the RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 11; except Moveable Property and Warehouse | | | | | |
| 18 | Stores Interest, which are from Schedule 5 | | | | | |
| 19 | 3/ Total Corps O&M Expenses are from the Corps of Engineers Financial Statements | | | | | |
| 20 | 4/ Total BOR O&M Expenses are from the Historical Financial Data in Support of the Power Repayment Study for the Pick-Sloan Missouri Basin Program, Schedule 14 | | | | | |
| 21 | 5/ The portion of O&M expenses allocated to PS-ED transmission is based on the ratio of transmission plant-in-service to total plant-in-service, calculated on L7 of the | | | | | |
| 22 | Net Plant Investment Worksheet | | | | | |
| 23 | 6/ The portion of O&M expenses allocated to PS-ED generation is based on the ratio of generation plant-in-service to total plant-in-service, calculated on L6 of the | | | | | |
| 24 | Net Plant Investment Worksheet | | | | | |

| Western-UGP 2016 Actual Rate for Regulation and Frequency Response | | | |
|---|---|--|------------------|
| Line No. | DESCRIPTION (1) | REGULATION and FREQUENCY RESPONSE (2) | REFERENCE (3) |
| 1 | Fixed Charge Rate | 16.347% | (1) |
| 2 | Corps Generation Net Plant Costs (\$) | \$ 436,294,736 | (2) |
| 3 | Annual Corps Generation Cost (\$) | \$ 71,321,101 | L1*L2 |
| 4 | Plant Capacity (kW) | 2,500,000 | |
| 5 | Cost/kW (\$/kW) | \$ 28.53 | L3/L4 |
| 6 | Capacity Used for Regulation (kW) | 8,861 | |
| 7 | Regulation Revenue Requirement (\$) - Capacity | \$252,791 | |
| 8 | Regulation Revenue Requirement (\$) - Purchases | \$0 | (3) |
| 9 | Total Regulation Revenue Requirement (\$) | \$252,791 | |
| (1) | Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Corps Revenue Requirement for 2016 Rate. | | |
| (2) | Corps Generation Net Plant is Total Electric Plant in Service less less Depreciation Reserve. | | |
| (3) | Cost of Purchases Required to Regulate for Intermittent Resources. | | |

Western-UGP 2016 Actual
Rate for Reserves

| Line No. | DESCRIPTION (1) | RESERVES (2) | REFERENCE (3) |
|----------|---|-----------------|------------------|
| 1 | Fixed Charge Rate | 16.347% | (1) |
| 2 | Corps Generation Net Plant Costs (\$) | \$ 436,294,736 | (2) |
| 3 | Annual Corps Generation Cost (\$) | \$ 71,321,101 | L1*L2 |
| 4 | Plant Capacity (kW) | 2,500,000 | |
| 5 | Cost/kW (\$/kW-Yr) | \$ 28.53 | L3/L4 |
| 6 | Prior Year True-Up | \$ - | |
| 8 | Western's Maximum Load in WAUW Control Area (kW) | 147,000 | (3) |
| 9 | Maximum Generation in WAUW Control Area (kW) | 97,500 | (4) |
| 10 | Capacity used for Reserves (kW) -- 3% Load + 3% Gen | 7,335 | L8*3% + L9*3% |
| 11 | Annual Reserves Revenue Requirement | \$ 209,256 | L10*L5 |
| (1) | Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Generation Revenue Requirement for 2016 Rate. | | |
| (2) | Generation Net Plant Costs include the total Corps Generation Plant-in-Service less total Corps Generation Plant depreciation. | | |
| (3) | WAUW load monthly peaks for 2016. | | |
| (4) | Northwest Power Pool Reserve Sharing System. | | |