

Western-UGP
Transmission and Ancillary Services
Rate Calculation

Effective January 1, 2017

2017 Rate Estimate Calculation

Western-UGP

Transmission and Ancillary Services List of Workpapers and Schedules

WAUGP-ATRR 2017 est	Projected ATRR -2017 estimate
WAUGP-AS1 2017 est	Scheduling, System Control and Dispatch Service ATRR - 2017 estimate
FACILITY COST DETAIL 2017 est	Facility Costs - 2017 estimate
FACILITIES - Included per AI	Western-UGP Facilities Included per AI
FACILITIES - Excluded per AI	Western-UGP Facilities Excluded per AI
COST DATA 2017 est	Cost Support - 2017 estimate
WAUW-AS3 2017 est	Regulation and Frequency Response ATRR - 2017 estimate
WAUW-AS5&6 2017 est	Reserves ATRR - 2017 estimate

Western-UGP Timeline

September 1, 2016 (on or shortly after)	Annual recalculation of prior year (2015) and estimated ATRR for upcoming year (2017) will be available for review/comment on SPP's website and Western's website at www.wapa.gov/ugp/rates/default.htm
October 31, 2016 (on or before)	Western-UGP will provide opportunity to discuss/comment on recalculated (2015) ATRR and estimated ATRR (2017). Western will hold a WebEx and/or at joint meetings with other UMZ Transmission Owners to facilitate discussion. Specific WebEx and/or meeting information will be posted on SPP's website and Western's website at www.wapa.gov/ugp/rates/default.htm
January 1, 2017	Recalculated revenue requirement will go into effect
September 1, 2017 (on or shortly after)	Annual recalculation of prior year (2016) and estimated ATRR for upcoming year (2018) will be available for review/comment on SPP's website and Western's website at www.wapa.gov/ugp/rates/default.htm
October 31, 2017 (on or before)	Western-UGP will provide opportunity to discuss/comment on recalculated (2016) ATRR and estimated ATRR (2018). Western will hold a WebEx/or joint meetings with other UMZ Tranmsisison Owners to facilitate discussion. Specific WebEx and/or meeting information will be posted on SPP's website and on Western's website at www.wapa.gov/ugp/rates/default.htm
January 1, 2018	Recalculated revenue requirement will go into effect

Western-UGP						
Revenue Requirement - Non-Levelized						
Utilizing Financial Statement Results of Operations						
12 Months Ending 09/30/2017 ESTIMATE						
Line No.	(1)	REFERENCE (2)	COMPANY TOTAL (3)	ALLOCATOR	(4)	TRANSMISSION ALLOCATED AMOUNT (5)
1	GROSS REVENUE REQUIREMENT	(line 75)				\$ 149,874,331
2	REVENUE CREDITS	(Note R)				
3	Short-Term Firm Point-to-Point Transmission Service Credit		6,002,300	NA	1.00000	6,002,300
4	Non-Firm Point-to-Point Transmission Service Credit		460,000	NA	1.00000	460,000
5	Revenue from Existing Transmission Agreements		1,039,700	NA	1.00000	1,039,700
6	Scheduling, System Control, and Dispatch Service Credit		12,200,825	NA	1.00000	12,200,825
7	Account No. 454	(line 114)	103,100	TP	1.00000	103,100
8	Account No. 456	(line 118)	0	TP	1.00000	0
9	TOTAL REVENUE CREDITS					19,805,925
10	PRIOR PERIOD TRUE-UP (Under-collection)					\$ 16,967,212
	NET REVENUE REQUIREMENT	(line 1 - line 8 + line 9)				\$ 147,035,618
RATE BASE:						
11	GROSS PLANT IN SERVICE	(Note A)				(Col 3 times Col 4)
12	Production	Schedule 1A Total	1,022,046,299	NA		
13	Transmission	Schedule 1A Total	1,363,411,106	TP	1.00000	1,363,411,106
14	Distribution	Schedule 1A Total	41,424,865	NA		
15	General & Intangible	Bal Sheet - Other Assets - SGL				
16	Common	175002	-	W/S	1.00000	0
17	TOTAL GROSS PLANT	(sum lines 11 to 15)	2,426,882,270	CE	0.00000	0
18	ACCUMULATED DEPRECIATION			GP=	56.180%	1,363,411,106
19	Production	Schedule 4	559,690,868	NA		
20	Transmission	Schedule 4	680,357,118	TP	1.00000	680,357,118
21	Distribution	Schedule 4	20,527,362	NA		
22	General & Intangible	Bal Sheet - Other Assets - SGL				
23	Common	175902	0	W/S	1.00000	0
24	TOTAL ACCUM. DEPRECIATION	(sum lines 17 to 21)	1,260,575,347	CE	0.00000	0
25	NET PLANT IN SERVICE					680,357,118
26	Production	(line 11 - line 17)	462,355,432			
27	Transmission	(line 12 - line 18)	683,053,988			683,053,988
28	Distribution	(line 13 - line 19)	20,897,503			
29	General & Intangible	(line 14 - line 20)	0			0
30	Common	(line 15 - line 21)	0			0
31	TOTAL NET PLANT	(sum lines 23 to 27)	1,166,306,923	NP=	58.566%	683,053,988
32	ADJUSTMENTS TO RATE BASE	(Note B)				
33	Account No. 281	(enter negative)	0		0.00000	0
34	Account No. 282	(enter negative)	0	NP	0.58566	0
35	Account No. 283	(enter negative)	0	NP	0.58566	0
36	Account No. 190		0	NP	0.58566	0
37	Account No. 255	(enter negative)	0	NP	0.58566	0
38	TOTAL ADJUSTMENTS	(sum lines 29 to 33)	0			0
39	LAND HELD FOR FUTURE USE	(Note C)	0	TP	1.00000	0
40	WORKING CAPITAL	(Note D)				
41	CWC	calculated	24,172,055			0
42	Materials & Supplies	Bal Sheet - Other Assets - SGL				
43	Prepayments	151191 (Note C)	0	TE	0.00000	0
44	TOTAL WORKING CAPITAL	Bal Sheet Other Assets	0	GP	0.56180	0
45	RATE BASE	(sum lines 28, 34, 35, 39)	24,172,055			0
			1,190,478,977			683,053,988
O&M						
46	Transmission	Schedule 11 (Note E)				
47	Western-UGP		62,379,433	PTP/UGP	0.95543	59,599,417
48	Western-RMR		40,730,668	PTP/RMR	0.00875	356,404
49	COE	COE Financial Strmts	59,862,815	PTP/COE	0.08649	5,177,360
50	Less Account 565	(Note E)		NA	1.00000	0
51	A&G	Schedule 11 (Note F)				
52	Western-UGP		19,989,567	PTP/UGP	0.95543	19,098,707
53	Western-RMR		10,413,956	PTP/RMR	0.00875	91,125
54	Less FERC Annual Fees		0	W/S	1.00000	0
55	Less EPRI & Reg. Comm. Exp. & Non-safety Ad	(Note G)	0	W/S	1.00000	0
56	Plus Transmission Related Reg. Comm. Exp	(Note G)	0	TE	0.00000	0
57	Common		0	CE	0.00000	0
58	Transmission Lease Payments		0	NA	1.00000	0
59	TOTAL O&M	(sum lines 41, 42, 43, 45, 46, 49, 50 less 44, 47, 48)	193,376,439			84,323,013
60	DEPRECIATION EXPENSE					
61	Transmission	Schedule 4				
62	Western-UGP		31,821,842	PTP/UGP	0.95543	30,403,662
63	Western-RMR		18,232,948	PTP/RMR	0.00875	159,543
64	COE		13,917,574	PTP/COE	0.08649	1,203,690
65	General		0	W/S	1.00000	0
66	Common		0	CE	0.00000	0
67	TOTAL DEPRECIATION	(sum lines 53 to 58)	63,972,364			31,766,896
68	TAXES OTHER THAN INCOME TAXES	(Note H)				
69	LABOR RELATED					
70	Payroll		0	W/S	1.00000	0
71	Highway and vehicle		0	W/S	1.00000	0
72	PLANT RELATED					
73	Property		0	GP	0.56180	0
74	Gross Receipts		0		0.00000	0
75	Other		0	GP	0.56180	0
76	Payments in lieu of taxes		0	GP	0.56180	0
77	TOTAL OTHER TAXES	(sum lines 60 to 65)	0			0
78	INCOME TAXES	(Note I)				
79	T = 1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =		0.00%	NA		
80	CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =		0.00%			
81	where WCLTD = (line 106) and R = (line 108) and FIT, SIT & p are as given in footnote I.					
82	1 / (1 - T) = (from line 67)		0.0000			
83	Amortized Investment Tax Credit	(enter negative)	0			0
84	Income Tax Calculation	(line 68 * line 74)	0	NA		0
85	ITC adjustment	(line 69 * line 70)	0	NP	0.58566	0
86	Total Income Taxes	(line 71 + line 72)	0			0
87	RETURN [Rate Base * Rate of Return]	(line 40 * line 105)	58,882,088	NA		33,784,423
88	REV. REQUIREMENT	(sum lines 52, 59, 66, 73, 74)	316,230,891			149,874,331

SUPPORTING CALCULATIONS AND NOTES									
TRANSMISSION PLANT INCLUDED IN UMZ RATES									
76	Total transmission plant	(line 12, column 3)						1,363,411,106	
77	Less transmission plant excluded from UMZ rates	(Note K)						0	
78	Less transmission plant included in OATT Ancillary Services	(Note L)						0	
79	Transmission plant included in UMZ rates	(line 76 less line 77 and 78)						1,363,411,106	
80	Percentage of transmission plant included in UMZ Rates	(line 79 / line 76)				TP=		1.00000	
TRANSMISSION EXPENSES									
81	Total transmission expenses	(sum lines 41 to 43, column 3)						0	
82	Less transmission expenses included in OATT Ancillary Services	(Note J)						0	
83	Included transmission expenses	(line 81 - line 82)						0	
84	Percentage of transmission expenses after adjustment (line 8 divided by line 6)	(line 83/ line 81)						0.00000	
85	Percentage of transmission plant included in UMZ Rates	(line 80)				TP		1.00000	
86	Percentage of transmission expenses included in UMZ Rates	(line 85 * line 84)				TE=		0.00000	
WAGES & SALARY ALLOCATOR (W&S)									
			\$		TP	Allocation			
87	Production		0	0.00		0			
88	Transmission		22,867,434	1.00		22,867,434			
89	Distribution		0	0.00		0			W&S Allocator
90	Other		0	0.00		0			(\$ / Allocation)
91	Total	(sum lines 87 to 90)	22,867,434			22,867,434	=		1.00000
PERCENTAGE OF TOTAL PLANT ALLOCATOR PTP									
		(Note M)	\$						
92	Transmission Plant in Service Western-UGP		1,261,562,766						
93	Total Plant in Service Western-UGP		1,320,408,389						
94	UGP Percentage of Transmission Plant to Total Plant	(line 92 / line 93)				PTP/UGP	=		0.95543
95	Transmission Plant in Service Western-RMR		6,735,145						
96	Total Plant in Service Western-RMR		769,708,741						
97	RMR Percentage of Transmission Plant to Total Plant	(line 95 / line 96)				PTP/RMR	=		0.00875
98	Transmission Plant in Service COE		95,113,195						
99	Total Plant in Service COE		1,099,738,736						
100	COE Percentage of Transmission Plant to Total Plant	(line 98 / line 99)				PTP/COE	=		0.08649
COMMON PLANT ALLOCATOR (CE)									
			\$		% Electric			Labor Ratio =	CE
101	Electric		0		(line 101 / line 104)			(line 91)	0.00000
102	Gas		0		0.00000	*		1.00000	
103	Water		0						
104	Total	(sum lines 101 to 103)	0						
RETURN (R)									
105	Long Term Interest Schedule 5		\$41,375,774						
			\$	%	Cost (Note O)			Weighted	=WCLTD
106	Long Term Debt	HFD Sch's 21RX & 21X Col 8 Lines	836,536,062	100%	0.0495			0.0495	=R
107	Proprietary Capital	23,25,26,29,30	0	0%	0.1238			0.0000	
108	Total (sum lines 31-32)	(sum lines 106 to 107)	836,536,062	100%				0.0495	
109						Proprietary Capital Cost Rate =		12.38%	
110						TIER =		1.00	
REVENUE CREDITS									
								Load	
ACCOUNT 447 (SALES FOR RESALE)									
111	a. Bundled Non-RQ Sales for Resale	(Note P)						0	
112	b. Bundled Sales for Resale included in Divisor on page 1							0	
113	Total of (a)-(b)							0	
114	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	(Note Q)						103,100	
115	ACCOUNT 456 (OTHER ELECTRIC REVENUES)							0	
116	a. Transmission charges for all transmission transactions							0	
117	b. Transmission charges for all transmission transactions included in Divisor on page 1							0	
118	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 52 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 48 - EPRI Annual Membership Dues, all Regulatory Commission Expenses, and non-safety related advertising. Line 49 - 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 105) / long term debt (line 106). 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 111 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 2017 Estimate

Scheduling, System Control, and Dispatch Service

Line No.	DESCRIPTION (1)	SSCD (2)	REFERENCE (3)
1	A. Operation and Maintenance Expense	\$11,349,943	O&M Expenses Worksheet
2	B. A&G Expense	\$168,577	A&G Expenses Worksheet
3	C. Depreciation Expense	\$268,361	Depreciation Expense Worksheet
4	D. Taxes Other than Income Taxes for Transmission	\$0	Not Applicable
			No General Plant identified at this time, all plant is identified as either generation or transmission related
5	E. Allocation of General Plant	\$0	
6	F. Cost of Capital		
7	Weighted Transmission Composite Interest Rate	4.925%	Cost of Capital Worksheet
8	Net Plant Investment	\$5,617,413	
9	Cost of Capital	\$276,658	L7*L8
10	H. Revenue Requirement		
11	Annual Western-UGPR Cost	\$12,063,539	L1+L2+L3+L9
12	Estimated SSCD Revenue from non-Transmission facilities	\$ 443,560	
13	Prior Year True-Up	\$ 580,847	
14	Revenue Requirement for SSCD for Transmission facilities	\$12,200,825	L11-L12+L13

Western-UGP
2017 Estimated Facility Costs

Line No.	FID	DESCRIPTION	2017 FACILITY	FY2017 EST SPP
			TOTALS (\$)	TRANSMISSION TOTALS (\$)
1	TL	AUR BR	133,158	133,158
2	TL	AUR FL	96,623	96,623
3	TL	BK HET	459,778	459,778
4	TL	BU GA	351,685	351,685
5	TL	BS GH	5,080,057	5,080,057
6	TL	BS JT 1	5,697,945	5,697,945
7	TL	BS JT 2	4,229,572	4,229,572
8	TL	BS MDR	15,300,557	15,300,557
9	TL	BR SF	2,045,182	2,045,182
10	TL	BR WT 1	1,718,240	1,718,240
11	TL	BR WT 2	3,318,558	3,318,558
12	TL	BR WHT	2,952,237	2,952,237
13	TL	CF EH A	141,044	141,044
14	TL	CF EH B	141,044	141,044
15	TL	CA JT	1,259,668	1,259,668
16	TL	WC BU	12,455,731	12,455,731
17	TL	CCRB EF	14,513,308	14,513,308
18	TL	CONSH2	5,804,318	5,804,318
19	TL	CS MY	1,366,481	1,366,481
20	TL	DC MC	2,605,678	2,605,678
21	TL	DC GL	553,800	553,800
22	TL	DC MDR	3,027,513	3,027,513
23	TL	DC OF	918,676	918,676
24	TL	DC WN	1,258,900	1,258,900
25	TL	DN CS	20,977,731	20,977,731
26	TL	DL CA	8,579,155	8,579,155
27	TL	DL LA	1,872,142	1,872,142
28	TL	ED FO	375,316	375,316
29	TL	ED GR	771,572	771,572
30	TL	ELCMA	60,704	60,704
31	TL	FA GK	2,369,098	2,369,098
32	TL	FA MO	7,305,876	7,305,876
33	TL	FO SU D	922,098	922,098
34	TL	FO SU C	3,440,115	3,440,115
35	TL	FP DC 1	404,033	404,033

36	TL	FP DC 2	FORT PECK-DAWSON 2	8,310,789	8,310,789
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	7,326,839	7,326,839
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	10,230,863	10,230,863
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	6,545,751	6,545,751
49	TL	FT SF D	FORT THOMPSON-SIOUX FALLS 1&2	10,035,507	10,035,507
50	TL	GA BS D	GARRISON-BISMARCK 230KV 1&2	5,681,575	5,681,575
51	TL	GA JT	GARRISON-JAMESTOWN	4,480,505	4,480,505
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	2,010,227	2,010,227
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	1,241,392	1,241,392
65	TL	HETNU	HETTINGER-NEW UNDERWOOD	12,061,605	12,061,605
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	23,871,162	23,871,162
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	4,035,543	4,035,543
75	TL	ML RG	MALLARD-RUGBY	1,089,083	1,089,083
76	TL	MR MS	MARTIN-MISSION	1,816,904	1,816,904

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	2,913,879	2,913,879
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	3,863,432	3,863,432
86	TL	OA FT S	OAHE-FORT THOMPSON 230KV 3&4	5,119,119	5,119,119
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	2,210,722	2,210,722
93	TL	ELCRC	RAPID CITY-ELK CREEK 115-kV T/L	9,290,064	9,290,064
94	TL	RG LE	RUGBY-LEEDS	2,235,655	2,235,655
95	TL	SH SH2	SHELBY-SHELBY #2	576,090	(0)
96	TL	SC DN	SIOUX CITY-DENISON	3,162,102	3,162,102
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	7,381,220	7,381,220
107	TL	WT SC	WATERTOWN-SIOUX CITY	26,679,769	26,679,769
108	TL	WC BU	WATFORD CITY-BEULAH	992,709	992,709
109	TL	WN WC	WILLISTON-WATFORD CITY	17,608,556	17,608,556
110	TL	WP CR	WOLF POINT-CIRCLE	6,409,177	6,409,177
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	529,070,784	528,494,694
114	SUB	APD	APPELDORN SUBSTATION	5,878,984	5,878,984
115	SUB	AR	ARMOUR SUBSTATION	2,278,492	1,491,468
116	SUB	AHS	ASH SUBSTATION	63,325	63,325

117	SUB	AUR	AURORA SUBSTATION	2,899,881	2,775,537
118	SUB	BN	BELDEN SUBSTATION	164,986	164,986
119	SUB	BEF	BELFIELD SUBSTATION	13,792,686	13,628,850
120	SUB	BE	BERESFORD SUBSTATION	4,706,447	4,179,787
121	SUB	BB	BISBEE SUBSTATION	272,529	54,755
122	SUB	BS	BISMARCK SUBSTATION	25,924,356	25,743,651
123	SUB	BI	BISON	12,472	12,472
124	SUB	BOL	BOLE SUB	2,945,979	2,317,391
125	SUB	BO	BONESTEEL SUBSTATION	3,386,212	2,159,589
126	SUB	BR	BROOKINGS SUBSTATION	4,460,377	4,460,377
127	SUB	CRP	CARPENTER SUBSTATION	2,463,312	2,463,312
128	SUB	CA	CARRINGTON SUBSTATION	3,819,873	2,811,552
129	SUB	CR	CIRCLE SUBSTATION	9,139,054	7,038,201
130	SUB	CON	CONRAD SUB	5,429,684	5,114,640
131	SUB	CS	CRESTON SUBSTATION	8,395,674	8,395,674
132	SUB	CRO	CROSSOVER SUB	11,176,976	11,176,976
133	SUB	CQE	CULBERTSON EAST SWITCHING STATION	2,390,851	2,390,851
134	SUB	CU	CUSTER SUBSTATION	4,633,608	4,072,338
135	SUB	CT	CUSTER TRAIL SUBSTATION	1,475,222	-
136	SUB	DC	DAWSON COUNTY SUBSTATION	10,657,691	10,655,386
137	SUB	DN	DENISON SUBSTATION	15,823,743	15,640,357
138	SUB	DV	DEVAUL SUBSTATION	882,271	(0)
139	SUB	DL	DEVILS LAKE SUBSTATION	2,901,419	2,815,740
140	SUB	EB	EAGLE BUTTE SUBSTATION	1,347,433	947,951
141	SUB	ED	EDGELEY SUBSTATION	6,569,979	5,419,242
142	SUB	ELC	ELK CREEK SUBSTATION	2,086,660	2,069,513
143	SUB	EL	ELLENDALE SUBSTATION	579	-
144	SUB	ELI	ELLIOTT SWITCHING STATION	3,121,488	3,093,295
145	SUB	END	ENDERLIN TAP STATION	749,768	502,344
146	SUB	EXI	EXIRA SWITCHING STATION	5,500,776	5,324,409
147	SUB	FVW	FAIRVIEW WEST SWITCHING STATION	4,296,873	4,296,873
148	SUB	FH	FAITH SUBSTATION	1,224,932	652,656
149	SUB	FA	FARGO SUBSTATION	24,962,877	24,962,877
150	SUB	FL	FLANDREAU SUBSTATION	4,222,330	4,181,895
151	SUB	FO	FORMAN SUBSTATION	6,173,187	5,689,265
152	SUB	FR	FORT RANDALL	253,710	253,710
153	SUB	FT2	FORT THOMPSON #2	10,761,312	10,761,312
154	SUB	FT	FORT THOMPSON SUBSTATION	15,000,316	14,839,761
155	SUB	GL	GLENDIVE SUBSTATION	1,725,310	1,725,310
156	SUB	GK	GRAND FORKS SUBSTATION	10,146,043	10,146,043
157	SUB	GI	GRAND ISLAND SUBSTATION	15,924,437	15,924,437

158	SUB	GF	GRANITE FALLS SUBSTATION	23,216,495	22,138,458
159	SUB	GTF	GREAT FALLS SUB	8,833,932	8,833,932
160	SUB	GY	GREGORY SUBSTATION	1,538,606	1,494,854
161	SUB	GR	GROTON SUBSTATION	5,121,517	4,795,171
162	SUB	HV	HAVRE SUBSTATION	11,822,560	11,688,187
163	SUB	HLK	HILKEN SUBSTATION	3,894,020	3,749,986
164	SUB	HU	HURON SUBSTATION	11,536,342	11,215,811
165	SUB	JT	JAMESTOWN SUBSTATION	18,720,001	16,882,898
166	SUB	KD	KILLDEER SUBSTATION	7,052,536	6,469,909
167	SUB	LA	LAKOTA SUBSTATION	2,889,967	2,688,411
168	SUB	LE	LEEDS SUBSTATION	3,943,917	3,785,195
169	SUB	LET	LETCHER SUBSTATION	11,108,748	11,108,748
170	SUB	MDN	MANDAN SUBSTATION	19,476	19,476
171	SUB	MR	MARTIN SUBSTATION	1,827,365	682,056
172	SUB	MA	MAURINE SUBSTATION	7,920,648	7,673,733
173	SUB	MD	MIDLAND SUBSTATION	836,212	689,469
174	SUB	MC2	MILES CITY SUB #2	6,386,403	6,386,403
175	SUB	MC3	MILES CITY SUB #3	1,895,702	1,895,702
176	SUB	MC	MILES CITY SUBSTATION	1,180,747	1,180,747
177	SUB	MS	MISSION SUBSTATION	3,473,710	2,886,787
178	SUB	MO	MORRIS SUBSTATION	7,229,447	6,134,011
179	SUB	MV	MT VERNON SUBSTATION	2,030,824	1,889,498
180	SUB	NEL	NELSON SUBSTATION	1,944,817	1,911,073
181	SUB	NU	NEW UNDERWOOD SUBSTATION	16,185,436	16,144,301
182	SUB	NL	NEWELL SUBSTATION	1,152,964	865,467
183	SUB	OF	O'FALLON CREEK SUBSTATION	3,264,302	3,205,707
184	SUB	PL	PHILIP SUBSTATION	2,037,148	1,813,279
185	SUB	PI	PIERRE SUBSTATION	4,284,664	3,584,774
186	SUB	RB	RAINBOW SUBSTATION	250,629	-
187	SUB	RC	RAPID CITY SUBSTATION	5,500,966	4,944,173
188	SUB	RH	RICHLAND SUBSTATION	1,733,528	-
189	SUB	RL	ROLLA SUBSTATION	623,513	623,513
190	SUB	RY	RUDYARD SUBSTATION	2,568,854	1,188,355
191	SUB	RG	RUGBY SUBSTATION	7,407,425	7,157,241
192	SUB	SA	SAVAGE SUB	74,403	74,403
193	SUB	SH	SHELBY SUBSTATION	861,699	-
194	SUB	SH2	SHELBY SUBSTATION #2	5,204,951	5,035,255
195	SUB	SC2	SIOUX CITY #2	12,727,762	12,727,762
196	SUB	SC	SIOUX CITY SUBSTATION	17,093,702	17,093,702
197	SUB	SF	SIOUX FALLS SUBSTATION	14,598,324	14,085,347
198	SUB	SP	SPENCER	3,555,749	3,378,849

199	SUB	SB	SULLY BUTTES	74,428	74,428
200	SUB	SU	SUMMIT SUBSTATION	2,681,145	2,307,297
201	SUB	TY	TYNDALL SUBSTATION	931,157	805,563
202	SUB	UJ	UTICA JCT.	12,974,150	12,974,150
203	SUB	VC	VALLEY CITY SUBSTATION	6,859,333	6,669,814
204	SUB	VR	VERONA	108,751	108,751
205	SUB	VFO	VIRGIL FODNESS SUBSTATION	3,206,763	3,206,763
206	SUB	WL	WALL SUBSTATION	1,521,224	801,319
207	SUB	WDD	WARD SUBSTATION	3,464,755	3,419,394
208	SUB	WB	WASHBURN SUBSTATION	2,093,654	1,154,159
209	SUB	WT2	WATERTOWN #2	2,900,981	2,900,981
210	SUB	WTS	WATERTOWN STATIC VAR SYSTEM	11,770,989	11,770,989
211	SUB	WT	WATERTOWN SUBSTATION	15,432,125	15,432,125
212	SUB	WC	WATFORD CITY SUB	7,600,294	7,491,928
213	SUB	WSG	WESSINGTON SPRINGS SUBSTATION	5,141,440	4,960,370
214	SUB	WH2	WHATELY (NORTHERN)	40,860	40,860
215	SUB	WH	WHATELY SUBSTATION	109,910	55,827
216	SUB	WHT	WHITE 345/115 SUB	10,979,443	10,979,443
217	SUB	WV	WICKSVILLE SUBSTATION	687,329	575,308
218	SUB	WN2	WILLISTON 2 SUBSTATION	15,493,713	15,493,713
219	SUB	WN	WILLISTON SUBSTATION	8,263,391	8,166,071
220	SUB	WI	WINNER SUBSTATION	3,219,465	3,117,597
221	SUB	WP	WOLF POINT SUBSTATION	7,181,905	5,847,160
222	SUB	WO	WOONSOCKET SUBSTATION	2,303,185	1,245,451
223	SUB	YA	YANKTON SUBSTATION	43,844	-
224	SUB Total		SUBSTATIONS	628,678,357	594,019,196
225	TAP	AN	ANITA	6,259	6,259
226	TAP	AB	ASSINNIBOINE	35,005	35,005
227	TAP	BK	BAKER	280,629	280,629
228	TAP	CF	CANYON FERRY	45,210	45,210
229	TAP	CCR	CHARLIE CREEK	1,376,076	1,376,076
230	TAP	DNT	DENBIGH TAP	848,872	739,245
231	TAP	DK	DICKINSON	23,704	23,704
232	TAP	EJ	E. J. MANNING	49,112	49,112
233	TAP	EA	EAGLE	66,108	66,108
234	TAP	FTH	FORSYTH	130,348	130,348
235	TAP	HA	HARLEM	98,534	98,534
236	TAP	HET	HETTINGER	10,832	10,832
237	TAP	ML	MALLARD	29,969	29,969
238	TAP	MT	MALTA	340,848	340,848

239	TAP	NA	NASHUA SUB	72,368	(0)
240	TAP	ON	O'NEILL SUB (NPP)	180,660	180,660
241	TAP	PET	PENN TAP	890,607	782,122
242	TAP	PLL	PLEASANT LAKE TAP	992,415	891,223
243	TAP	SL	SHIRLEY TAP	22,102	22,102
244	TAP	SNY	STANLEY	49,735	49,735
245	TAP	TR	TERRY TAP	607,718	504,597
246	TAP	TT	TIBER TAP	166,306	166,306
247	TAP	VE	VETAL TAP	232,375	232,375
248	TAP	VH	V. T. HANLON	9,964,553	9,964,553
249	TAP	WJ	WM. J. NEAL	156,417	156,417
250	TAP	YJ	YANKTON JCT.	76,396	76,396
251	TAP Total		LINE TAPS & RELATED EQUIPMENT	16,753,157	16,258,365
252	O&M	ARC	ARMOUR O&M SERVICE CENTER	3,488,667	3,488,667
253	O&M	BSM	BISMARCK O&M SERVICE CENTER	9,918,546	9,918,546
254	O&M	DCF	DAWSON SERVICE CENTER	6,871,863	6,871,863
255	O&M	DLM	DEVILS LAKE O&M SERVICE CENTER	3,852,064	3,852,064
256	O&M	FAO	FARGO LINE MAINTENANCE FACILITY	2,040,287	2,040,287
257	O&M	FAM	FARGO O&M SERVICE CENTER	794,673	794,673
258	O&M	FPM	FORT PECK SERVICE CENTER	7,710,050	7,710,050
259	O&M	FTM	FORT THOMPSON O&M SERVICE CENTER	315,000	315,000
260	O&M	HVM	HAVRE SERVICE CENTER	249,377	249,377
261	O&M	HUM	HURON O&M SERVICE CENTER	2,512,836	2,512,836
262	O&M	JTM	JAMESTOWN O&M SERVICE CENTER	3,841,398	3,841,398
263	O&M	MCM	MILES CITY MTCE FACILITY	1,025,254	1,025,254
264	O&M	NUM	NEW UNDERWOOD SERVICE CENTER	96,884	96,884
265	O&M	PLM	PHILIP O&M SERVICE CENTER	1,679,674	1,679,674
266	O&M	PIM	PIERRE O&M SERVICE CENTER	1,051,383	1,051,383
267	O&M	RCM	RAPID CITY GARAGE & STORAGE	2,064,165	2,064,165
268	O&M	SCM	SIOUX CITY O&M SERVICE CENTER	3,007,882	3,007,882
269	O&M	SFC	SIOUX FALLS O&M SERVICE CENTER	239,920	239,920
270	O&M	WTM	WATERTOWN MAINTENANCE CENTER	7,351,202	7,351,202
271	O&M Total		O&M SERVICE & MAINTENANCE CENTERS	58,111,125	58,111,125
272	OPS	WAO	WATERTOWN ALTERNATE OPERATIONS CENTER	6,128,823	4,354,529
273	OPS	WTO	WATERTOWN OPERATIONS CENTER	876,775	576,148
274	OPS	WTO F	WATERTOWN OPERATIONS CENTER (BFPS)	11,245,002	7,394,907
275	OPS Total		OPERATION CENTERS	18,250,600	12,325,584
276	MOB	MOBW2	MOB 115KV SWITCH TRAILER	69,741	69,741
277	MOB	MOBT13	MOB TRANSF 111KV 15MVA	213,000	213,000
278	MOB	MOBT2	MOB TRANSF 115KV 10MVA	218,493	218,493

279	MOB	MOBT12	MOB TRANSF 115KV 25MVA	556,464	556,464
280	MOB	MOBT4	MOB TRANSF 115KV 40MVA	526,201	526,201
281	MOB	MOBT6	MOB TRANSF 230KV 1-33MVA	170,278	170,278
282	MOB	MOBB2	MOBILE BY PASS KIT (BISMARCK)	35,071	35,071
283	MOB	MOBB1	MOBILE BY PASS KIT (HURON)	163,695	163,695
284	MOB	MOBC4	MOBILE CAPACITOR BANK	19,075	19,075
285	MOB	MOBS6	MOBILE SUB 110KV	127,144	127,144
286	MOB	MOBS9	MOBILE SUB 115KV 20MVA	404,166	404,166
287	MOB	MOBS7	MOBILE SUB 41.8 KV	192,498	-
288	MOB	MOBS5	MOBILE SUB 69KV	71,118	71,118
289	MOB	MOBR2	MOB SH.REACTOR	179,328	179,328
290	MOB Total		MOBILE EQUIPMENT	2,946,272	2,753,774
291	GEN	BG FT L	BIG BEND-FORT THOMPSON (LOW VOLTAGE)	81,944	-
292	GEN	FP	FORT PECK POWERPLANT (COE)	64,611	-
293	GEN	FT BG 1	FORT THOMPSON-BIG BEND NO. 1	922,164	922,164
294	GEN	FT BG 2	FORT THOMPSON-BIG BEND NO. 2	690,735	690,735
295	GEN Total		TRANSMISSION-RELATED GEN. FACILITIES	1,759,454	1,612,899
296	COM	ATC	ATLANTIC COMMUNICATION SITE	17,199	11,747
297	COM	BK2	BAKER RELAY	67,970	46,423
298	COM	BTY	BANTRY	343,131	234,359
299	COM	BAE	BARRETT	99,835	68,187
300	COM	BMW	BATTLE MT. MICROWAVE	324,151	221,395
301	COM	BPR	BELLE PRAIRIE	152,583	104,214
302	COM	BET	BENEDICT	36,772	25,115
303	COM	BU	BEULAH	10,679	7,294
304	COM	BG	BIG BEND	113,362	77,426
305	COM	BJR	BIJOU REPEATER	585,814	400,111
306	COM	BSR	BISMARCK REPEATER	248,435	169,681
307	COM	BIR	BISON REPEATER	227,955	155,693
308	COM	BON	BOLE NORTH REPEATER	149,228	101,923
309	COM	BRI	BRINSMADE	147,129	100,489
310	COM	BSL	BRISTOL	11,441	7,814
311	COM	BRV	BRUNSVILLE REPEATER	92,595	63,243
312	COM	BFF	BUFFALO	107,342	73,315
313	COM	CAH	CAHOON	194,709	132,986
314	COM	CAZ	CARRINGTON REPEATER	693,236	473,480
315	COM	CHK	CHARTER OAK REPEATER	15,667	10,700
316	COM	CHI F	CHINOOK (BEFP)	284,048	194,005
317	COM	CHR	CHINOOK REPEATER	15,293	10,445
318	COM	CKR	CLARK MW REPEATER	632,695	432,131

319	COM	CLV	CLEVELAND REPEATER, N.D.	66,872	45,674
320	COM	CMR	COLEMAN REPEATER	105,281	71,907
321	COM	CME	COLOME REPEATER	293,101	200,188
322	COM	CBR	CONRAD BUTTE REPEATER	455,668	311,221
323	COM	CNN	COTTON	1,399	956
324	COM	CSR	CRESTON REPEATER	11,107	7,586
325	COM	CLR	CROW LAKE REPEATER	311,803	212,962
326	COM	CBT	CROWN BUTTE	52,565	35,902
327	COM	CRR	CULBERTSON RADIO RELAY SITE	1,926	1,315
328	COM	CUL	CUSTER LOOKOUT	80,620	55,063
329	COM	DAL	DALTON (WES)	63,660	43,480
330	COM	DLC	DEVILS LAKE FIBER REGEN	273,047	186,491
331	COM	DLZ	DEVILS LAKE REPEATER	502,088	342,926
332	COM	DOD	DODSON REPEATER	882,795	602,949
333	COM	DO	DOGDEN BUTTE	281,286	192,118
334	COM	DRS	DRISCOLL	79,113	54,034
335	COM	DU	DUPREE REPEATER	1,821	1,244
336	COM	DUT	DUTTON REPEATER (BEFP)	75,190	51,355
337	COM	ERB	EAST RAINY BUTTE	147,041	100,429
338	COM	ECK	ECKELSON	231,893	158,383
339	COM	EKR	ELKTON	165,481	113,023
340	COM	ELZ	ELLENDAL REPEATER	644,579	440,247
341	COM	EWA	ELLSWORTH AIR BASE	204,548	139,706
342	COM	ERH	ERHARD	99,569	68,006
343	COM	EX	EXIRA REPEATER	2,527	1,726
344	COM	FB	F. L. BLAIR	76,407	52,186
345	COM	FAP	FAIRPOINT REPEATER	206,550	141,073
346	COM	FNR	FALLON REPEATER	212,944	145,441
347	COM	FCS	FERGUS FALLS COMMUNICATIONS SITE	485,567	331,642
348	COM	FLW	FLOWING WELLS	68,763	46,965
349	COM	FBS	FORBES COMMUNICATION SITE	45,316	30,951
350	COM	FP1	FORT PECK RELAY (WES)	319,013	217,886
351	COM	FPC	FORT PECK COMMUNICATIONS BUILDING	380,212	259,685
352	COM	FPR	FORT PECK REPEATER	109,069	74,494
353	COM	FTR	FORT THOMPSON REPEATER	99,223	67,769
354	COM	FTP	FORT THOMPSON REPEATER (EAST RIVER)	301,614	206,002
355	COM	FCR	FOX CREEK MICROWAVE	423,094	288,973
356	COM	FRY	FRYBURG SUB & MICROWAVE	61,204	41,802
357	COM	GA	GARRISON	196,363	134,116
358	COM	GRR	GARY REPEATER	80,799	55,185
359	COM	GP	GAVIN'S POINT	148,752	101,598

360	COM	GPR	GAVINS POINT REPEATER	315,049	215,179
361	COM	GET	GETTYSBURG REPEATER	368,771	251,871
362	COM	GH	GLENHAM	293,701	200,598
363	COM	GKM	GRAND FORKS MINNKOTA (MPC)	23,847	16,287
364	COM	HSB	HAILSTONE BUTTE	74,835	51,113
365	COM	HOY	HALLOWAY REPEATER	109,706	74,929
366	COM	HRT	HARLEM REPEATER	882,588	602,808
367	COM	HTH	HATHAWAY	68,891	47,053
368	COM	HMW	HERMOSA MICROWAVE	302,701	206,745
369	COM	HLR	HIGHLAND REPEATER	22,884	15,630
370	COM	HMR	HIGHMORE REPEATER	145,723	99,529
371	COM	HIW	HIGHWOOD	22,896	15,638
372	COM	HI	HINSDALE	201,837	137,855
373	COM	HIR	HINSDALE REPEATER	66,495	45,416
374	COM	HOE	HOPEWELL REPEATER	231,172	157,891
375	COM	HNT	HUNTER MICROWAVE	210,227	143,585
376	COM	HUD	HURON DISTRICT OFFICE	768,139	524,639
377	COM	HYS	HYSHAM	90,227	61,625
378	COM	JTR	JAMESTOWN REPEATER	46,981	32,088
379	COM	JCK	JONES CREEK	267,395	182,631
380	COM	KCK	KELLY CREEK	202,226	138,120
381	COM	KDZ	KILLDEER REPEATER	380,028	259,559
382	COM	KNE	KNEE HILL MW	471,997	322,374
383	COM	LAC	LAC QUI PARLE	780,765	533,262
384	COM	LKR	LAKE ANDES REPEATER	695,718	475,175
385	COM	LEF	LEFOR	48,470	33,105
386	COM	LI	LINDSAY RIDGE	79,074	54,007
387	COM	LCS	LINTON COMMUNICATIONS SITE	339,867	232,129
388	COM	LMO	LITTLE MISSOURI SUBSTATION	54,516	37,235
389	COM	LDP	LODGEPOLE REPEATER	32,445	22,160
390	COM	MRP	MALTA REPEATER	793,844	542,196
391	COM	MNM	MANDAN MICROWAVE SITE	69,988	47,802
392	COM	MPR	MAPLE RIVER	172,792	118,017
393	COM	MRR	MARTIN REPEATER	300,728	205,397
394	COM	MAV	MAYVILLE	196,624	134,294
395	COM	MLR	MIDLAND REPEATER	516,515	352,779
396	COM	MOX	MOE REPEATER	129,266	88,289
397	COM	MH	MOORHEAD	125,057	85,414
398	COM	MSR	MORRIS REPEATER & MICROWAVE	128,242	87,589
399	COM	NWC	NEWCASTLE REPEATER	216,330	147,753
400	COM	OA	OAHE	577,874	394,688

401	COM	OK	O'KREEK REPEATER	367,630	251,091
402	COM	OR	ORCHARD REPEATER	43,642	29,807
403	COM	OTO	OTO MICROWAVE	16,445	11,232
404	COM	OTW	OTTUMWA ROAD REPEATER SITE	7,685	5,249
405	COM	PGE	PAGE N.D.	1,646	1,124
406	COM	PAH	PAHOJA SUB	107,003	73,083
407	COM	PEK	PEAK	83,844	57,265
408	COM	PLJ	PHILIP JCT. REPEATER	530,459	362,303
409	COM	PIR	PINE RIDGE	186,735	127,540
410	COM	PO	POPLAR (MDU)	3,758	2,567
411	COM	PRR	PRIMGHAR REPEATER	27,264	18,622
412	COM	PUR	PUKWANNA REPEATER	258,360	176,460
413	COM	RCR	RAPID CITY REPEATER	340,932	232,857
414	COM	RE	RICHARDSON COULEE	161,748	110,474
415	COM	RER	RICHARDSON COULEE REPEATER	166,315	113,593
416	COM	RHM	RICHLAND MW REPEATER (BEPS)	416,774	284,657
417	COM	RRR	ROCKY RIDGE REPEATER	226,934	154,996
418	COM	ROG	ROLLAG	172,922	118,106
419	COM	RGZ	RUGBY REPEATER	276,659	188,958
420	COM	RI	RUTLAND	388,869	265,598
421	COM	SAO	SACO	1,237	845
422	COM	SNB	SENTINEL BUTTE	87,667	59,877
423	COM	SRE	SHEEP COULEE REPEATER	475,744	324,933
424	COM	SCQ	SIOUX CITY REPEATER	427,162	291,752
425	COM	SFR	SIOUX FALLS REPEATER	330,718	225,880
426	COM	SI	SIOUX PASS	1,366	933
427	COM	SNA	SNAKE BUTTE REPEATER	670,911	458,232
428	COM	SPN	SPALDING REPEATER	549,514	375,318
429	COM	SM	SPIRIT MOUND	295,982	202,156
430	COM	STR	STRASBERG	1,853	1,266
431	COM	SMR	SUMMIT REPEATER	50,053	34,186
432	COM	TCS	TAPPEN COMMUNICATIONS SITE	291,767	199,277
433	COM	TA	TAPPEN REPEATER	440,758	301,038
434	COM	TEN	TENNANT COMMUNICATIONS SITE	8,782	5,998
435	COM	TOR	TORONTO REPEATER	106,096	72,463
436	COM	TFR	TRIPP REPEATER	114,817	78,420
437	COM	TU	TURKEY RIDGE REPEATER	692,418	472,922
438	COM	TYE	TYLER REPEATER	1,239,694	846,711
439	COM	VIC	VICTOR (EREC)	35,530	24,267
440	COM	VIA	VIDA	98,597	67,342
441	COM	WLR	WALL REPEATER	479,343	327,391

442	COM	WTR	WATERTOWN REPEATER	713,148	487,080
443	COM	WS	WAYSIDE	17,781	12,144
444	COM	WSR	WESSINGTON SPGS. REPEATER	624,746	426,702
445	COM	WEF	WESTFIELD	19,003	12,979
446	COM	WSW	WHITE SWAN	176,730	120,706
447	COM	WK C	WHITLOCK (BCPS)	165,594	113,101
448	COM	WOB	WOLBACH REPEATER	28,280	19,315
449	COM	YT P	YELLOWTAIL SWITCHYARD (BEPS)	223,367	152,559
450	COM Total		COMMUNICATION FACILITIES	35,801,851	24,452,664
451	MCCS	MC4	MILES CITY CONVERTER STATION - BEPS	19,890,752	19,890,752
452	MCCS	MC4	MILES CITY CONVERTER STATION - BEFP	3,643,714	3,643,714
453	MCCS Total		MILES CITY CONVERTER STATION	23,534,466	23,534,466
454	DIST	BFTBP	BUFORD TRENTON TAP - BUFORD TRENTON P.P.	650,001	-
455	DIST	BP	BUFORD TRENTON PUMP SUBSTATION	184,827	-
456	DIST	FN	FALLON PUMPING PLANT SUBSTATION	223,594	-
457	DIST	FE	FALLON RELIFT PUMPING PLANT	171,257	-
458	DIST	FN GG	FALLON-GLENDIVE PUMP #4	25,506	-
459	DIST	FP WP	FORT PECK-WOLF POINT	190,500	-
460	DIST	FG	FRAZER PUMP SUB	253,597	-
461	DIST	GA SK	GARRISON-SNAKE CREEK	1,103,389	-
462	DIST	GG	GLENDIVE P.P. #1 SUB.	425,706	-
463	DIST	IN	INTAKE SUBSTATION	108,040	-
464	DIST	IN INP	INTAKE-INTAKE PUMP	6,494	-
465	DIST	SV	SAVAGE PUMPING PLANT SUBSTATION	102,283	-
466	DIST	SY	SHIRLEY PUMP SUBSTATION	127,053	-
467	DIST	SK	SNAKE CREEK PUMP SUBSTATION	920,941	-
468	DIST	TE	TERRY PUMPING PLANT SWITCH	474,404	-
469	DIST	TI	TIBER DAM SUBSTATION	318,568	-
470	DIST	VA	WIOTA SUBSTATION	216,163	-
471	DIST Total		DISTRIBUTION FACILITIES	5,502,324	-
472	RMR		NEW UNDERWOOD-STEGALL	287,835	287,835
473	RMR		STEGALL SUBSTATION	9,030,765	302,609
474	RMR		STEGALL-WAYSIDE	2,978,205	2,978,205
475	RMR		YELLOWTAIL SWITCHYARD	12,665,979	3,166,495
476	RMR Total		ROCKY MOUNTAIN REGION FACILITIES	24,962,785	6,735,145
477	COE		CORPS SWITCHYARD FACILITIES	128,335,200	95,113,195
478	COE Total		CORPS OF ENGINEERS FACILITIES	128,335,200	95,113,195
479	Grand Total		TOTAL	1,473,706,374	1,363,411,106
480			SUBTOTAL WESTERN-UGP ONLY	1,320,408,389	1,261,562,766

Western-UGP Facilities Included per AI for January 1, 2017 Rates*			Attachment AI Criteria								Further Description
Line No.	Facility	Specific Plant Included	1	1(b)	2	3	4	5	6		
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							maintenance building SS	
6		station service KZ1A, KX2A and switches	x								
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								

125	Flandreau	115-kV breakers 1162, 1262, 1362, 1662 and assoc. switches	x										
126		capacitor PY3A	x										
127		station service KZ1A, KW1C switches 302x, 205x, 401x	x										
128		115/69-kV transformer KY1A		x									One East River member, two municipal customers and Basin generation served through KY1A (Sioux Valley Energy, City of Colman, and City of Madison)
129		69-kV breaker 2152 and assoc. switches		x									One East River member, two municipal customers and Basin generation served through 2152 (Sioux Valley Energy, City of Colman, and City of Madison)
130	Forman	115-kV breakers 1162, 1362, 1462, 1562, 1764 and assoc switches	x										
131		capacitor PY7A	x										
132		station service KW9A, switches 92x	x										
133		115/69-kV transformer KY1A, switches 126x	x										
134		69-kV breakers 152, 252 and assoc. switches	x										
135		69-kV switches 353, 355	x										
136	Fort Thompson	230-kV breakers 582, 586, 682, 782, 786, 882, 1182, 1186, 1282, 1382, 1386, 1482, 1582, 1586, 1682, 1782, 1786, 1882, 2382, 2386, 2482 and assoc. switches	x										
137		230-kV switches 181, 281, 381, 2583, 2683	x										
138		230/69-kV transformers KV1B, KV1A	x										
139		13.8-kV switches 121, 221, 253, 153, 6323, 6321, 6022, 3121, 3221	x										
140		station service KW1A, KW1B and assoc switches	x										
141		69-kV breakers 4352	x										
142	Fort Thompson 2	345-kV breakers 3392, 3396 and assoc. switches	x										
143		reactor KU4A, switch 3991	x										
144		345/230-kV transformers KU1A, KU1B and 345-kV switches 2391, 2491	x										
145		reactors KW2A, KW2B, breakers 6422, 6822 and assoc. switches	x										
146		capacitor PW2A	x										
147		reactor KW3A, breaker 6522 and assoc. switches	x										
148		capacitor PW3A	x										
149		station service KW1D, KW1C, switches 662x, 6611, 6311, 632x	x										
150	Glendive	115-kV switch 362	x										
151		115/57-kV transformer KY1A		x									2 customers - MDU and Lower Yellowstone
152		57-kV breaker 342 and assoc. switches		x									2 customers - MDU and Lower Yellowstone
153	Grand Forks	230-kV breakers 286, 382, 486 and associated switches / switches 183 and 580	x										
154		230/115-kV transformer KV1A	x										
155		reactor KW43A, breaker 4324 and assoc. switches	x										
156		station service KW41A, KW42A and associated switches	x										
157		115-kV breakers 1462, 1562, 1662, 1862, 1962 and assoc. switches	x										
158		115/69-kV transformer KY2B, switch 3261 and 3259	x										
159		69-kV breakers 2252, 2352, 2452, 2552 and assoc. switches / switches 2151, 2153			x								2452 to MPC, 2552 to NSP
160		capacitors PZ3A, PZ3B, switches 335x, 345x	x										
161	Grand Island	345-kV breakers 1092, 1192, 1196, 1292, 1596, 1592, 1692, 1796 and assoc. switches	x										
162		reactor KU4A, switch 1098	x										
163		reactors KW1B, KW1A, breakers 5122, 5022 and assoc. switches	x										
164		345/230-kV transformers KU1A, KU1B and switch 293	x										
165		reactors KW2A, breakers 6022 and assoc. switches	x										
166		station service KHA, KHB 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 26B			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		115/69-kV transformer KY1A, switches 362, 363		x							2 customers (Minnkota and City of Lakota)
217		station service KW1A, switches 825, 921	x								
218	Leeds	115-kV breakers 262, 362, 462, 562 and assoc. switches	x								
219		capacitor PZ4A, breaker 744 and assoc. switches	x								
220		115/69-kV transformer KY1A, switches 161, 162	x								
221		69-kV breakers 444, 544 and assoc switches / switch 143	x								
222		station service KW3B and switch 1021	x								
223	Letcher	230-kV breakers 382, 582, 686 and assoc. switches	x								NWPS line to Mitchell is Networked
224		230/115-kV transformer KV3A	x								
225		115-kV breakers 1266, 1362, 1562 and assoc. switches	x								
226		station service KW3B and assoc switches	x								
227	Martin	115-kV switches 163, 261, 361, 360, 961	x								
228		station service KW1A and switch 2021	x								
229	Maurine	230-kV breakers 182, 282, 582 and assoc. switches	x								
230		230/115-kV transformer KV1A	x								
231		115-kV breakers 1362, 1462, 1562, 1662, 1762, 1964, 2064 and assoc switches	x								
232		capacitors PY19A, PY20A	x								
233		reactors KY19A, KY20A	x								
234		reactor KW32A, breaker 3224 and assoc switches	x								
235		station service KW30A, KW31A and assoc switches	x								
236	Midland	115-kV switches 16x and 26x / switch 361	x								
237		station service KW20A, switches 2031, 2011, 3011	x								
238	Miles City	57-kV breaker 152 and assoc. switches		x	x						2 customers (MDU, Kinsey Irrigation)
239	Miles City 2	230-kV breakers 382, 386, 482, 582 and assoc. switches and switch 783	x								
240		230/115-kV transformer KV1A	x								
241		115-kV breakers 1362, 1462, 1662 and assoc. switches, switches 1161 and 1165	x								
242		reactor KW7A, breaker 724 and assoc switches	x								
243		station service K2, K1 and assoc switches	x								
244		13.8-kV SS to Miles City DC Converter Station	x								
245	Miles City 3	All Facilities and Equipment	x								
246	Mission	115-kV breakers 162, 262, 462 and assoc. switches, switches 863, 865	x								
247		reactors KY30A, KY31A, KY7A	x								
248		capacitors PY30A, PY31A	x								
249		115-kV breakers 764, 3064, 3164 and assoc. switches	x								
250		station service KX2A, KX1A and switches 243x, 253x	x								
251	Morris	230-kV breakers 182, 382, 482, 582 and assoc switches	x								
252		230/115-kV transformer KV1A	x								
253		115-kV breakers 1162, 1462, 1562, 1762 and assoc switches	x								
254		station service KW1B and switches 512x	x								
255	Mount Vernon	115-kV breakers 162, 262 and assoc switches	x								
256		station service KZ1A and assoc switches	x								
257		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)
258	Nelson Tap	115-kV switches 176x, 196x	x								

259	New Underwood	230-kV breakers 282, 382, 384, 484, 582, 682, 782, 882, 986, 9182, 9282 and assoc switches	x									
260		reactor KV3A, KV4A	x									
261		230/115-kV transformers KV2A, KV1A	x									
262		115-kV breakers 1262, 1362, 1462, 1562, 1662, 1866, 8162, 8262 and assoc switches	x									
263		13.8-kV breaker 4522, 4022, 4122, 4222 and assoc switches	x									
264		reactor KW45A, KW40A, KW41A, KW42A	x									
265		station service KW1A, KW1B and assoc switches	x									
266	Newell	115-kV switches 116x, 1262, 136x	x									
267		115/69-kV transformer KY1A		x								2 customers: Butte Electric and West River
268		Station Service KW1A and assoc equipment	x									
269	O'Fallon Creek	115-kV breakers 162, 262, 362 and assoc switches	x									
270		115/69-kV transformer KY1A		x								2 customers: Buffalo Rapids Irrigation and Tongue River Electric
271		69kV breaker 452 and assoc switches		x								2 customers: Buffalo Rapids Irrigation and Tongue River Electric
272		Station Service KW1B	x									
273	Pace Yellowtail	230-kV breakers IH278, IH296 and assoc switches	x									
274	Philip	115-kV breakers 1462, 1562, 1762, 1862 and assoc switches	x									
275		station service KW32A, KW31A and assoc switches	x									
276	Pierre	115-kV breakers 162, 362, 662, 862 and assoc switches	x									
277		115-kV switches 563, 565, 761	x									
278		station service KW1A, KW2A, KW1B, switches 271x, 281x, 302x	x									
279		69kV breaker 1252 and assoc breakers		x								One East River member and two irrigation districts served through KY2A and 1252 (Oahe, Grey Goose Irrigation and Crow Creek Irrigation)
280		Station Service KW1D, KW1E, KW1F and assoc switches	x									
281	Rapid City	115-kV breakers 162, 262, 362, 462, 562, 664, 766, 862, 2164 and assoc switches	x									
282		reactors KY10A, KY21A	x									
283		capacitors PY6A, PY21A	x									
284		station service KW20A, KW43A KW42A, switches 202x, 422x, 432x, 431x	x									
285	Rolla	115-kV breaker 1162 and assoc switches	x									
286	Rudyard	115-kV switches 260, 261, 160, 161	x									
287		station service KW1A, switches 521, 523	x									
288	Rugby	115-kV breakers 1262, 1362, 1462, 1566, 1662, 1864 and assoc switches	x									
289		capacitor PY8A	x									
290		reactor KY2A	x									
291		Station Service KX2A, KW1A and assoc. switches and equipment	x									
292	Shelby 2	115-kV breakers 1062, 1362, 1462 and assoc. switches, switches 1263, 1265	x									
293		230/115-kV transformer KV3A	x									
294		reactor KW3A, breaker 3124 and assoc switches	x									
295		station service KW2A and assoc. switches	x									
296		230-kV breakers 482, switches 481, 383, 281, 183	x									
297	Sioux City	230-kV breakers 182, 282, 382, 482, 582, 682, 9182 and assoc switches, switch 7283	x									
298		230/161-kV transformers KV1A and KV5A	x									
299		161-kV breakers 1062, 1162, 1262, 1362, 1562, 1662, 8162	x									
300		reactors KW53A, KW54A, breakers 5324, 5424 and assoc switches	x									
301		station service KW1B, KW1C, switches 502x, 512x, 522x	x									
302		69-kV breakers 2156, 2352, 2852, 2952, 3052, 3152 and assoc switches	x	x								to NIPCO (looped) and MEC

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

345	Watertown	230-kV breakers 182, 282, 382, 482, 582, 682, 882, 984, 1182, 9182 and assoc switches	x									
346		reactor KV9A	x									
347		capacitor PV9A	x									
348		230/115-kV transformers KV2A, KV8A	x									
349		115-kV breakers 862, 1162, 1262, 1362, 1562, 862, 1762, 1862, 1962, 8162 and assoc switches	x	x								1762 - two customers MRES and NorthWestern Energy
350		station service KY3A, KHA, KHB, K1, K2 and assoc switches	x									
351		reactor KW1A, breaker 3122 and assoc switches	x									
352		13.2-kV switches 372x, 362x, 82x	x									
353		115/69 kV transformer KY3A		x								Two East River members are served through KY3A (Codington-Clark and H-D)
354		69 kV breaker 2752 and assoc switches		x								Two East River members served through 2752 (Codington-Clark and H-D)
355	Watertown 2	345-kV breakers 7296, 7292, 7398 and assoc switches	x									
356		reactor KU3A	x									
357	Watertown Static Var	All Facilities and Equipment	x									
358	Watford City	230-kV breakers 682, 782, 882 and assoc switches	x									
359		230-kV switches 282, 283, 182, 183	x									
360		station service KW1B, switches 121, 123	x									
361		reactor KY16A, switches 166x	x									
362		capacitor PY16A	x									
363		115-kV breakers 1262, 1362 and assoc switches	x									
364		reactor KY17A, switches 176x	x									
365		capacitor PY17A	x									
366	Wessington Springs	230-kV breakers 586, 682, 786, 882 and assoc switches	x									
367		Station Service	x									
368	Whately	69 kV switches 151, 351	x									
369	White	345-kV breakers 292, 296, 392, 396, 492, 496, 592, 596 and assoc switches	x									
370		115-kV breakers 2262, 2362, and assoc switches	x									
371		345/115-kV transformer KU1A, switches 2163, 2165	x									
372		station service KWA, KWB switches 312x, 3311, 3511	x									
373		reactor KW32A, breaker 3224 and assoc switches	x									
374	Wicksville	115-kV breakers 162, 262, and assoc switches / switch 361	x									
375	Williston	115-kV breakers 1262, 1362, 1462, 1562, 1662, 1762, 1866 and assoc switches	x									
376		115/57-kV transformers KY4B, switches 2465, 2469			x							to MDU
377		57-kV breakers 3152, 3252, 3352, 3452 and assoc switches			x							to MDU
378	Williston 2	230-kV breakers 182, 286, 382, 482, 486, 582, 686 and assoc switches	x									
379		115-kV breakers 2162, 2262, 2266, 2362, 2462, 2466, 2562, 2662, 2666 and assoc switches	x									
380		station service KW1B, KW2B and assoc switches	x									
381	Winner	115-kV breakers 162, 362, 462, 1062 and assoc switches / switches 661, 761	x									
382		reactor KY10A	x									
383		capacitor PY10A, PY11A, switches 1160, 1161	x									
384	Wolf Point	115-kV breakers 1362, 1562, 1662, 1762, 1862 and assoc switches/switches 1963, 1965	x									
385		station service KW1A	x									
386	Woonsocket	115-kV breakers 162, 262 and assoc switches/ switches 361 and 861	x									
387		station service KX1A, KW1B and assoc switches	x									
388												

	Transmission Lines								
389	AURORA- BROOKINGS 115-KV	X							
	T/L								
391	AURORA-FLANDREAU 115-KV	X							
	T/L								
392	BAKER-HETTINGER	X							
393	BEULAH-GARRISON	X							
394	BISMARCK-GLENHAM	X							
395	BISMARCK-JAMESTOWN NO. 1	X							
396	BISMARCK-JAMESTOWN NO. 2	X							
397	BISMARCK-MEDORA	X							
398	BROOKINGS-SIOUX FALLS	X							
399	BROOKINGS-WATERTOWN NO. 1	X							
400	BROOKINGS-WATERTOWN NO. 2	X							
401	BROOKINGS-WHITE 115/230KV	X							
402	CANYON FERRY - CANYON FERRY TAP	X							
403	CARRINGTON-JAMESTOWN	X							
404	CHARLIE CREEK - WATFORD CITY	X							
405	CHARLIE CREEK-BELFIELD	X							
406	CHARLIE CREEK - BEULAH	X							
407	CONRAD-SHELBY #2 230-kV	X							
408	CRESTON-MARYVILLE	X							
409	DAWSON COUNTY - MILES CITY	X							
410	DAWSON-GLENDIVE	X							
411	DAWSON-MEDORA	X							
412	DAWSON-O'FALLON CREEK	X							
413	DAWSON-WILLISTON	X							
414	DENISON-CRESTON	X							
415	DEVILS LAKE-CARRINGTON	X							
416	DEVILS LAKE-LAKOTA	X							
417	EDGELEY-FORMAN	X							
418	EDGELEY-GROTON	X							
419	ELK CREEK-NEWELL-MAURINE 115-kV T/L	X							
420	FARGO-GRAND FORKS	X							
421	FARGO-MORRIS	X							
422	FORMAN-SUMMIT (BISMARCK)	X							
423	FORMAN-SUMMIT (HURON)	X							

424	FORT PECK-DAWSON #1	x								
425	FORT PECK-DAWSON #2	x								
426	FORT PECK-HAVRE 161-kV	x								
427	FORT PECK-WHATELY 69-kV	x								
428	FORT PECK-WILLISTON	x								
429	FORT PECK-WOLF POINT #2	x								
430	FORT RANDALL-FORT THOMPSON 1&2	x								
431	FORT RANDALL-GAVIN'S POINT	x								
432	FORT RANDALL-GREGORY	x								
433	FORT RANDALL-MT VERNON	x								
434	FORT RANDALL-O'NEILL	x								
435	FORT RANDALL-SIOUX CITY 1&2	x								
436	FORT THOMPSON-GRAND ISLAND	x								
437	FORT THOMPSON-HURON 230-KV 1&2	x								
438	FORT THOMPSON-SIOUX FALLS 1&2	x								
439	GARRISON-BISMARCK 230KV 1&2	x								
440	GARRISON-JAMESTOWN	x								
441	GARRISON-MALLARD	x								
442	GARRISON-WM. J. NEAL	x								
443	GAVINS POINT-BELDEN	x								
444	GAVINS POINT-SIOUX FALLS	x								
445	GRANITE FALLS- MORRIS	x								
446	GRANITE FALLS-MINNESOTA VALLEY	x								
447	GREAT FALLS-CONRAD 230-kV	x								
448	GREGORY-MISSION	x								
449	GROTON-HURON	x								
450	GROTON-SUMMIT	x								
451	HAVRE-VERONA 161-kV	x								
452	HAVRE-SHELBY#2 115-kV	x								
453	HESKETT-DEVAUL	x								
454	HETTINGER-NEW UNDERWOOD	x								
455	HURON-MT VERNON	x								
456	HURON-WATERTOWN 230KV 1&3	x								
457	JAMESTOWN-EDGELEY	x								
458	JAMESTOWN-FARGO NO. 1	x								
459	JAMESTOWN-FARGO NO. 2	x								

460	JAMESTOWN-GRAND FORKS	x								
461	JAMESTOWN-VALLEY CITY	x								
462	LEEDS-DEVILS LAKE	x								
463	LEEDS-ROLLA	x								
464	MALLARD-RUGBY	x								
465	MARTIN-MISSION	x								
466	MARTIN-PHILIP	x								
467	MAURINE-RAPID CITY	x								
468	MILES CITY-BAKER	x								
469	MILES CITY-CUSTER 230-kV	x								
470	NEW UNDERWOOD-PHILIP	x								
471	NEW UNDERWOOD-RAPID CITY NO. 1	x								
472	NEW UNDERWOOD-RAPID CITY NO. 2	x								
473	NEW UNDERWOOD-STEGALL (HURON)	x								
474	OAHE-FORT THOMPSON 230KV 1&2	x								
475	OAHE-FORT THOMPSON 230KV 3&4	x								
476	OAHE-GLENHAM	x								
477	OAHE-MAURINE	x								
478	OAHE-NEW UNDERWOOD	x								
479	OAHE-PIERRE	x								
480	O'FALLON CREEK-MILES CITY	x								
481	PIERRE-PHILIP	x								
482	RAPID CITY-DRY CREEK	x								
483	RAPID CITY-ELK CREEK 115-kV T/L	x								
484	RUGBY-LEEDS	x								
485	SIOUX CITY-DENISON	x								
486	SIOUX CITY-SPENCER	x								
487	SIOUX FALLS- SIOUX CITY	x								
488	SIOUX FALLS-VIRGIL FODNESS 230KV T-LINE	x								
489	SUMMIT-WATERTOWN	x								
490	TIBER TAP-TIBER 115-kV	x	x							
491	UTICA JCT-SIOUX FALLS	x								
492	VALLEY CITY-FORMAN	x								
493	VERONA GREAT FALLS 161-kV	x								
494	VIRGIL FODNESS-UTICA JUNCTION-FT RANDALL/RASMUS	x								

495	WATERTOWN-GRANITE FALLS 1&2	x									
496	WATERTOWN-SIOUX CITY	x									
497	WATFORD CITY-BEULAH	x									
498	WILLISTON-WATFORD CITY	x									
499	WOLF POINT-CIRCLE	x									
500	WM. J. NEAL-RUGBY	x									
501	YELLOWTAIL-CUSTER 230-kV	x									
502	YELLOWTAIL-YELLOWTAIL 230-kV, 120 MW Capacity Rights on RMR Line (PACE)	x									
503											
504	Taps										
505	Charlie Creek 345-kV breakers 4096, 4192 and assoc switches	x									
506	Denbigh Tap 115kV breakers 1362, 1562 and assoc switches	x									
507	O'Neill 115-kV inerrupters and switches	x									
508	Penn Tap 115-kV switches 176x, 196x	x									
509	Pleasant Lake Tap 115-kV switches 56x, 66x	x									
510	Shirley Tap 115-kV switches 561, 560	x									
511	Terry Tap 115-kV switches 160, 161, 260, 261, 361	x									
512	Tiber Tap 115-kV switches 163, 260, 261, 360, 361	x	x								2 customers from Tiber (Bureau of Reclamation and Tiber LLC)
513	Vetal Tap 115-kV switches 16x, 26x, 36x	x									
514											
515	O&M Service & Maintenance Centers										
516	ARMOUR O&M SER. CEN.				x						
517	BISMARCK O&M SER. CEN.				x						
518	DAWSON SER. CEN.				x						
519	DEVILS LAKE O&M SER. CEN.				x						
520	FARGO LINE MAINTENANCE FACILITY				x						
521	FARGO O&M SER. CEN.				x						
522	FORT PECK SER. CEN.				x						
523	FORT THOMPSON O&M S. C.				x						
524	HAVRE SERVICE CENTER				x						
525	HURON O&M SER. CEN.				x						
526	JAMESTOWN O&M SER. CEN.				x						
527	MILES CITY MTCE FAC.				x						
528	MILES CITY MTCE FAC.				x						
529	NEW UNDERWOOD SER. CEN.				x						
530	PHILIP O&M SER. CENT.				x						
531	PIERRE O&M SER. CEN.				x						
532	RAPID CITY GARAGE & STOR.				x						
533	SIOUX CITY O&M SER. CEN.				x						
534	SIOUX FALLS O&M SER. CEN.				x						
535	WATERTOWN MAINT. CEN.				x						
536											

537	Operation Centers												
538	WATERTOWN ALTERNATE					x							
	OPERATIONS CENTER												
539	WATERTOWN OPERATIONS					x							
	CENT												
540	WATERTOWN OPER CTR (BFPS)					x							
541													
542	Mobile Equipment												
543	MOB 115KV SWITCH TRAILER		x										
544	MOB 115KV SWITCH TRAILER		x										
545	MOB TRANSF 111KV 15MVA		x										
546	MOB TRANSF 115KV 10MVA		x										
547	MOB TRANSF 115KV 10MVA		x										
548	MOB TRANSF 115KV 25MVA		x										
549	MOB TRANSF 115KV 40MVA		x										
550	MOB TRANSF 230KV 1-33MVA		x										
551	MOBILE BY PASS KIT		x										
	(BISMARCK)												
552	MOBILE BY PASS KIT (HURON)		x										
553	MOBILE CAPACITOR BANK		x										
554	MOBILE SUB 110KV		x										
555	MOBILE SUB 115KV 20MVA		x										
556	MOBILE SUB 41.8 KV		x										
557	MOBILE SUB 69KV		x										
558	MOB SH.REACTOR		x										
559													
560	Transmission-Related												
	Generation Facilities												
561	FORT THOMPSON-BIG BEND		x										
	NO. 1												
562	FORT THOMPSON-BIG BEND		x										
	NO. 2												
563													
564	Communication Facilities												
565	ANITA	SCADA				x							
566	ASSINNIBOINE	meters for NWMT NITS from Havre				x							
567	BAKER	microwave, RTU				x							
568	ATLANTIC COMMUNICATION					x							
	SITE												
569	BAKER RELAY					x							
570	BANTRY					x							
571	BARRETT					x							
572	BATTLE MT. MICROWAVE					x							
573	BELLE PRAIRIE					x							
574	BENEDICT					x							
575	BEULAH					x							
576	BIG BEND					x							

577	BIJOU REPEATER				x				
578	BISMARCK REPEATER				x				
579	Bison microwave alarm system				x				
580	BISON REPEATER				x				
581	BOLE NORTH REPEATER				x				
582	BRINSMADE				x				
583	BRISTOL				x				
584	BRUNSVILLE REPEATER				x				
585	BUFFALO				x				
586	CAHOON				x				
587	CARRINGTON REPEATER				x				
588	CHARTER OAK REPEATER				x				
589	CHINOOK (BEFP)				x				
590	CHINOOK REPEATER				x				
591	CLARK MW REPEATER				x				
592	CLEVELAND REPEATER, N.D.				x				
593	COLEMAN REPEATER				x				
594	COLOME REPEATER				x				
595	CONRAD BUTTE REPEATER				x				
596	COTTON meters for Central MT (Basin NITS)				x				
597	CRESTON REPEATER				x				
598	CROW LAKE REPEATER				x				
599	CROWN BUTTE				x				
600	CULBERTSON RADIO RELAY SITE				x				
601	CUSTER LOOKOUT				x				
602	DALTON (WES)				x				
603	DEVILS LAKE FIBER REGEN				x				
604	DEVILS LAKE REPEATER				x				
605	DICKINSON communications equipment				x				
606	DODSON REPEATER				x				
607	DOGDEN BUTTE				x				
608	DRISCOLL				x				
609	DUPREE REPEATER				x				
610	DUTTON REPEATER (BEFP)				x				
611	EAGLE microwave, RTU, SCADA				x				
612	EAST RAINY BUTTE				x				
613	ECKELSON				x				
614	E. J. MANNING fiber, microwave, SCADA				x				
615	ELKTON				x				
616	ELLENDALE REPEATER				x				
617	ELLSWORTH AIR BASE				x				
618	ERHARD				x				
619	EXIRA REPEATER				x				
620	F. L. BLAIR				x				
621	FAIRPOINT REPEATER				x				
622	FALLON REPEATER				x				
623	FERGUS FALLS COMMUNICATIONS SITE				x				
624	FLOWING WELLS				x				

625	FORBES COMMUNICATION SITE				x				
626	FORSYTH radio, quarters, fence				x				
627	FORT PECK RELAY (WES)				x				
628	FORT PECK COMMUNICATIONS BUILDING				x				
629	FORT PECK REPEATER				x				
630	Fort Randall Multiplexer, Termination Equipment				x				
631	FORT THOMPSON REPEATER				x				
632	FORT THOMPSON REPEATER (EAST RIVER)				x				
633	FOX CREEK MICROWAVE				x				
634	FRYBURG SUB & MICROWAVE				x				
635	GARRISON				x				
636	GARY REPEATER				x				
637	GAVIN'S POINT				x				
638	GAVINS POINT REPEATER				x				
639	GETTYSBURG REPEATER				x				
640	GLENHAM				x				
641	GRAND FORKS MINNKOTA (MPC)				x				
642	HAILSTONE BUTTE				x				
643	HALLOWAY REPEATER				x				
644	HARLEM microwave, RTU				x				
645	HARLEM REPEATER				x				
646	HATHAWAY				x				
647	HERMOSA MICROWAVE				x				
648	HETTINGER RTU, PTs				x				
649	HIGHLAND REPEATER				x				
650	HIGHMORE REPEATER				x				
651	HIGHWOOD meters NWMT NITS from Great Falls				x				
652	HINSDALE				x				
653	HINSDALE REPEATER				x				
654	HOPEWELL REPEATER				x				
655	HUNTER MICROWAVE				x				
656	HURON DISTRICT OFFICE				x				
657	HYSHAM				x				
658	JAMESTOWN REPEATER				x				
659	JONES CREEK				x				
660	KELLY CREEK				x				
661	KILLDEER REPEATER				x				
662	KNEE HILL MW				x				
663	LAC QUI PARLE				x				
664	LAKE ANDES REPEATER				x				
665	LEFOR				x				
666	LINDSAY RIDGE				x				
667	LINTON COMMUNICATIONS SITE				x				

668	LITTLE MISSOURI SUBSTATION				x				
669	LODGEPOLE REPEATER				x				
670	MALLARD	RTU, SCADA			x				
671	MALTA	microwave, RTU			x				
672	MALTA REPEATER				x				
673	Mandan	multiplexer			x				
674	MANDAN MICROWAVE SITE				x				
675	MAPLE RIVER				x				
676	MARTIN REPEATER				x				
677	MAYVILLE				x				
678	MIDLAND REPEATER				x				
679	MILES CITY SUB (BEFP)				x				
680	MOE REPEATER				x				
681	MOORHEAD				x				
682	MORRIS REPEATER & MICROWAVE				x				
683	NEWCASTLE REPEATER				x				
684	OAHE				x				
685	O'KREEK REPEATER				x				
686	ORCHARD REPEATER				x				
687	OTO MICROWAVE				x				
688	OTTUMWA ROAD REPEATER SITE				x				
689	PAGE N.D.				x				
690	PAHOJA SUB				x				
691	PEAK				x				
692	PHILIP JCT. REPEATER				x				
693	PINE RIDGE				x				
694	POPLAR (MDU)	antenna, meters for MDU			x				
695	PRIMGHAR REPEATER				x				
696	PUKWANNA REPEATER				x				
697	RAPID CITY REPEATER				x				
698	RICHARDSON COULEE				x				
699	RICHARDSON COULEE REPEATER				x				
700	RICHLAND MW REPEATER (BEPS)				x				
701	ROCKY RIDGE REPEATER				x				
702	ROLLAG				x				
703	RUGBY REPEATER				x				
704	RUTLAND				x				
705	SACO				x				
706	Savage	land, steel structure, meter equipment			x				
707	SENTINEL BUTTE				x				
708	SHEEP COULEE REPEATER				x				
709	SIOUX CITY REPEATER				x				
710	SIOUX FALLS REPEATER				x				
711	SIOUX PASS				x				

712	SNAKE BUTTE REPEATER				x				
713	SPALDING REPEATER				x				
714	SPIRIT MOUND				x				
715	STANLEY meters to MDU				x				
716	STRASBERG				x				
717	Sully Buttes fiber termination equipment				x				
718	SUMMIT REPEATER				x				
719	TAPPEN COMMUNICATIONS SITE				x				
720	TAPPEN REPEATER				x				
721	TENNANT COMMUNICATIONS SITE				x				
722	TORONTO REPEATER				x				
723	TRIPP REPEATER				x				
724	TURKEY RIDGE REPEATER				x				
725	TYLER REPEATER				x				
726	Verona comm, multiplex, battery				x				
727	VICTOR (EREC)				x				
728	VIDA				x				
729	V. T. HANLON SCADA				x				
730	WALL REPEATER				x				
731	WATERTOWN REPEATER				x				
732	WAYSIDE				x				
733	WESSINGTON SPGS. REPEATER				x				
734	WESTFIELD				x				
735	Whately (Northern) Instrument Transformer				x				
736	WHITE SWAN				x				
737	WHITLOCK (BCPS)				x				
738	WM. J. NEAL multiplexer				x				
739	WOLBACH REPEATER				x				
740	YANKTON JCT. multiplexer, channel bank, SCADA				x				
741	YELLOWTAIL SWITCHYARD (BEPS)				x				
742									

743	Miles City Converter Station										
744	MILES CITY CONVERTER STATION - BEPS		x								
745	MILES CITY CONVERTER STATION - BEFP		x								
746											
747	Rocky Mountain Region Facilities										
748	NEW UNDERWOOD-STEGALL		x								
749	STEGALL SUBSTATION		x								
750	STEGALL-WAYSIDE		x								
751	YELLOWTAIL SWITCHYARD	230-kV breakers 182, 282, 9182 and assoc switches	x								
752											
753	Corps Switchyard Facilities										
754	Big Bend	230-kV 1083, 1090, 7089, 4083, 4090	x								
755	Fort Peck	69-kV breaker 1142 and assoc. switches	x								
756		161-kV breaker 762, 772, 776 and assoc switches	x								
757		115-kV breakers 1572, 1576, 1672, 1676 and assoc switches	x								
758		230-kV breaker 1382 and associated switches	x								
759		230/115-kV transformer	x								
760		115/69-kV transformer KV7A	x								
761	Fort Randall	230-kV breakers 1182, 1186, 1982, 1986, 1282, 1286, 1382, 1386, 2182, 2186, 2282, 2286, 2382, 2386, 2482, 2486, 2682, 2686 and assoc breakers	x								
762		115-kV breakers 1562, 1662, 1666, 1762, 1862, 1866, 1962 and assoc switches	x								
763		230/115-kV transformer	x								
764	Garrison	115-kV breakers 962, 1162, 1166, 1362, 1366, 1462 and assoc switches	x								
765		230-kV breakers 3482, 3486, 3582, 3586, 3682, 3686, 3782, 3786, 3882, 3886, 3982, 3986, 4082, 4086, 4182, 4186 and assoc switches, switches 33xx	x								
766		230/115-kV transformer	x								
767	Gavins Point	115-kV breakers 462, 562, 662, 762, 862 and assoc switches	x								
768	Oahe	230-kV breakers 2182, 2382, 2582, 2682, 2782, 2982, 3082 and assoc switches	x								
769		115-kV breakers 1062, 1262, 1362, 1386, 1462 and assoc switches	x								
770		230/115-kV transformer	x								

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, 2017 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 assvoc. 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	Leeds	69/12.5-kV transformer KZ3A and switch 645	
86		12.5-kV breaker 624 and assoc. switches	CPEC
87	Martin	115/34.5-kV tranformer KY1A and interrupter 962	
88		34.5-kV breaker 1242 and assoc. switches	LaCreek
89	Maurine	115/69-kV transformer KY1A and switches 1263, 1265	
90		69-kV breaker 2252 and assoc. switches	Grand Electric
91	Midland	Capacity Rights in 115/69 kV Transformer KY1A	
92	Mission	115/24.9-kV transformer KY1A and interrupter 362	Cherry-Todd
93	Morris	41.8-kV breakers 3132, 3232, 3332 and assoc switches	
94		115/41.8-kV transformer KY3A	
95		115-kV breaker 1362 and assoc switches	
96	Mount Vernon	69-kV breaker 1852 and assoc. switches	East River
97	Nashua Tap	All Not Included	
98	Nelson Tap	Switch 1861	
99	Newell	69-kV breakers 2252, 2452 and assoc. switches	Rushmore
100	New Underwood	13.8 kV interrupter 4423 and assoc. switch	
101	Oahe	230-kV breakers 2882, 2482, 2486, 2082, 1162 and assoc. switches	generator lead
102		115-kV breaker 1162 and assoc. switches	generator lead
103	O'Fallon Creek	12.47-kV breaker 522 and assoc. switches and equipment	MDU
104	Penn Tap	Switches 1860, 1861	
105	Philip	115/69-kV transformer KY1A and switches 1963	

106		69-kV breaker 2152 and assoc. switches	West Central
107	Pierre	115/12.47-kV transformer KY1A and 115-kV interrupter 762	
108		12.47-kV breakers 2212, 2312, 2412 and assoc. switches	City of Pierre
109	Pleasant Lake Tap	Switched 760, 761	
110	Rapid City	115/12.47-kV transformer KY1A	
111	Richland	All Not Included	
112	Rudyard	115/69/12.5-kV transformer KY1A and interrupter 362	
113		69-kV breaker 752 and assoc. switches	Hill County
114		12.5-kV breaker 422 and assoc. switches	Hill County
115	Rugby	115/41.8-kV transformer KY1A and switches 1163, 1165	
116		41.8-kV breaker 2142 and assoc. switches	Otter Tail
117	Savage Pumping	All Not Included	
118	Shelby	All Not Included	
119	Shelby 2	115-kV breaker 1162 and assoc. switches	to Shelby
120	Shirley Pumping	All Not Included	
121	Sioux Falls	115-kV breaker 862 and assoc. switches	East River
122		69-kV breaker 1552 and assoc. switches	East River
123	Spencer	69-kV breaker 1642 and assoc. switches	City of Spencer
124	Summit	41.8-kV breakers 2142, 2242 and assoc. switches	
125		115/41.8-kV transformer KY1B	
126		115-kV interrupter 862 and switch 861	
127	Terry Pumping	All Not Included	
128	Terry Tap	115/34.5-kV transformer KY1A and switch 363	
129		34.5-kV breaker 342 and assoc. switches	Buffalo Rapids and MDU
130	Tiber	115/12.5-kV transformer KY1A and breaker 1262	
131		12.5-kV breaker 122 and assoc. switches	USBR
132	Tyndall	69-kV breaker 452 and assoc. switches	East River
133		115-kV interrupter 362	protection for non-included transformer (transformer not owned by Western)
134	Valley City	69-kV breakers 344, 1144 and assoc. switches	City of Valley City
135	Wall	115/12.47-kV transformer KY1B and interrupters 461 and 562	
136		12.47-kV breaker 622 and assoc. switches	West River
137	Ward	230-kV Switch 889	
138	Washburn	230/41.8-kV transformer KU1A and breaker 282	
139		41.8-kV breaker 342 and assoc. switches	Otter Tail - emergency tie
140	Watford City	115-kV interrupter 162	protection for non-included transformer (transformer not owned by Western)
141	Wessington Springs	230-kV switch 989	generator outlet
142	Whately	69/12.5-kV transformer KYA and switches 253, 257	
143		12.5-kV breaker 224 and assoc. switches	Norval
144	Wicksville	115-kV interrupter 362	protection for non-included transformer (transformer not owned by Western)
145		24.9-kV breaker 1032 and assoc. switches	West River
146	Williston	60-kV breaker 3552 and assoc. switches	MDU non-credited line
147	Williston 2	115-kV breaker 2562 and assoc. switches	
148	Winner	12.47-kV breakers 2222, 2422, 2523 and assoc. switches	City of Winner and Rosebud Electric
149	Wiota	All Not Included	
150	Wiota Tap	All Not Included	
151	Wolf Point	115/34.5-kV transformer KY1A and switches 1963, 1965	
152		34.5-kV breakers 2142, 2242, 2342, 2442 and assoc. switches	MDU and Norval
153		12.5-kV breakers 3222, 3322, 3422 and assoc. switches	Norval and McCone
154	Woonsocket	34.5-kV breakers 442 and 542 and assoc. switches	NWPS and City of Wessington Springs
155		115/69-kV transformer KY1B and 115-kV breaker 862	
156		Mobile Transformer 115/34.5-kV	
157		115-kV interrupters 362 and 862 and assoc. switches, switch M263, M261	
158	Transmission Lines		
159	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 2017 Estimate										
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	1,320,408,389	1/	769,708,741	2/	1,099,738,736	3/	494,063,956	12/	3,683,919,822
3	PS-ED Transmission Plant-in-Service	1,261,562,766	4/	6,735,145	5/	95,113,195	6/	0		1,363,411,106
4	PS-ED Generation Plant-in-Service	17,420,758	7/	0		1,004,625,541	L2-L3	494,063,956	L2-L3	1,516,110,255
5	PS-ED SSCD Plant-in-Service	11,135,329	8/							
6	Generation Plant to Total Plant	0.01319	L4/L2	0.00000	L4/L2	0.91351	L4/L2	1.00000	L4/L2	
7	Transmission Plant to Total Plant	0.95543	L3/L2	0.00875	L3/L2	0.08649	L3/L2	0.00000	L3/L2	
8	SSCD Plant to Total Plant	0.00843	L5/L2							
9	PS Accumulated Depreciation	654,305,118	9/	347,454,772	10/	603,229,913	11/	282,332,201	13/	1,887,322,004
10	PS-ED Trans. Accumulated Depreciation	625,145,206	L7*L9	3,040,316	L7*L9	52,171,595	L7*L9	0	L7*L9	680,357,118
11	PS-ED Gen. Accumulated Depreciation	8,632,550	L6*L9	0	L6*L9	551,058,318	L9-L10	282,332,201	L6*L9	842,023,069
12	PS-ED SSCD Accumulated Depreciation	5,517,916								5,517,916
13	PS-ED Net Transmission Plant	636,417,560	L3-L10	3,694,828	L3-L9	42,941,600	L3-L10	0	L3-L10	683,053,988
14	PS-ED Net Generation Plant	8,788,208	L4-L11	0	L4-L10	453,567,223	L4-L11	211,731,755	L4-L11	674,087,187
15	PS-ED Net SSCD Plant	5,617,413	L5-L12							5,617,413
15	1/ Transmission Plant-in-Service Worksheet, C2L480									
16	2/ FY RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 1									
17	3/ FY 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, C5L476									
20	6/ Transmission Plant-in-Service Worksheet, C5L478									
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/ FY UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 4									
24	10/ FY RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 4									
25	11/ FY Corps of Engineers Financial Statements, Statement of Assets and Liabilities									
26	12/ FY Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedule 15									
27	13/ FY Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedule 17									

Western-UGP 2017 Estimate									
Line No.	(1)	WESTERN-UGP (2)		WESTERN-RMR (3)		COE (4)		BOR (5)	TOTAL (6)
1	Depreciation Worksheet								
2	PS Depreciation Expense	31,821,842	1/	18,232,948	2/	13,917,574	3/	2,658,188	4/ 66,630,552
3	PS-ED Transmission Depreciation 5/	30,403,662		159,543		1,203,690		0	31,766,896
4	PS-ED Generation Depreciation 6/	419,840		0		12,713,884		2,658,188	15,791,912
5	PS-ED SSCD Depreciation 7/	268,361							268,361
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 Western-UGP, Western-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								
10	plant-in-service, calculated on L7 of the Net Plant Investment Worksheet								
11	6/ For Western-UGP, Western-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,								
12	calculated on L6 of the Net Plant Investment Worksheet. COE generation depreciation is COE total depreciation less transmission depreciation								
13	7/ For Western-UGP, 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 2017 Estimate											
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 Balances	821,772,350	1/	468,220,639	1/	546,786,376	1/	156,699,895	1/	1,993,479,260	
4	Interest Expenses:										
5	FY Interest	41,351,949	13/	28,057,924	13/	18,745,135	2/	6,908,600	2/	95,063,608	
6	Average Interest Rate	5.032%	L6/L3	5.992%	L6/L3	3.428%	L6/L3	4.409%	L6/L3		
7	Transmission Plant Factor	0.9253	3/	0.0049	4/	0.0698	5/	0.0000	6/		
8	Weighted Trans. Composite Rate									4.925%	7/
9	Generation Plant Factor	0.0115	8/	0.0000	9/	0.6626	10/	0.3259	11/		
10	Weighted Gen. Composite Rate									3.766%	12/
11	1/ FY Historical Financial Data in Support of the Power Repayment Study for the P-SMBP, Schedules 21X and 21RX										
12	2/ FY 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 2017 Estimate						
Line No.	(1)	WESTERN-UGP (2)	WESTERN-RMR (3)	COE (4)	BOR (5)	TOTAL (6)
1	A&G Expenses Worksheet					
2	Object Class	WESTERN-UGP 1/	WESTERN-RMR 2/	COE 3/	BOR 3/	Total
3	1411			0	0	0
4	1412			0	0	0
5	1415			0	0	0
6	1416			0	0	0
7	1421			0	0	0
8	1422			0	0	0
9	1425			0	0	0
10	1426			0	0	0
11	1431			0	0	0
12	1432			0	0	0
13	1441			0	0	0
14	1442			0	0	0
15	PS Total A&G	19,989,567	10,413,956	0	0	30,403,523
16	PS-ED Transmission A&G 4/	19,098,707	91,125	0	0	19,189,832
17	PS-ED Generation A&G 5/	263,732	0	0	0	263,732
18	PS-ED SSCD A&G 6/	168,577	0	0	0	168,577
19	1/ Western-UGP A&G Expenses are from the FY 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 FY 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 2017 Estimate						
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/	
3	Total Electric Operating Expense	78,019,000				78,019,000
4	Less:					
5	Other Power Supply Expenses					0
6	A&G Expenses	19,989,567				19,989,567
7	Prior Year Adjustments					0
8	Plus:					
9	Moveable Property Interest	4,350,000				4,350,000
10	Warehouse Stores Interest					0
11	Scheduling, System Control & Dispatch	11,349,943				11,349,943
12	COE/BOR Total			59,862,815	39,626,691	99,489,506
13	PS Total O&M	62,379,433	40,730,668	59,862,815	39,626,691	173,218,882
14	PS-ED Transmission O&M 5/	59,599,417	356,404	5,177,360	0	65,133,181
15	PS-ED Generation O&M 6/	823,001	0	54,685,455	39,626,691	95,135,146
16	1/ All Western-UGP O&M Expenses are from the FY UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 11; except					
17	Moveable Property and Warehouse Stores Interest, which are from Schedule 5					
18	2/ All Western RMR O&M Expenses are from the FY RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 11; except Moveable Property and Warehouse					
19	Stores Interest, which are from Schedule 5					
20	3/ Total Corps O&M Expenses are from the FY Corps of Engineers Financial Statements					
21	4/ Total BOR O&M Expenses are from the FY Historical Financial Data in Support of the Power Repayment Study for the Pick-Sloan Missouri Basin Program, Schedule 14					
22	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					
23	Net Plant Investment Worksheet					
24	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					
25	Net Plant Investment Worksheet					

Western-UGP 2017 Estimate

Rate for Regulation and Frequency Response

Line No.	DESCRIPTION	REGULATION and FREQUENCY RESPONSE	REFERENCE
(1)	(2)	(3)	
1	Western Regulation Revenue Requirement	\$299,436	(1)
2	Under Collection - 2015 Regulation Revenue Rqmt	\$2,220	(2)
3	Average WAUW Control Area Load in 2015	120,000	
4	Average Total Control Area(s) Load in 2015 True-up	120,000	(3)
5	Ratio WAUW Control Area to Total Control Area(s)	1.0000	L3 / L4
6	Under Collection - 2015 WAUW Regulation Revenue Rqmt	\$2,220	L2 * L5
7	Total Regulation Revenue Rqmt with True-up	301,656	L1 + L6
(1)	Regulation and Frequency Response Service from "Regulation and Frequency Response for 2017, Western's Costs".		
(2)	Over/Under Collection "True-up of Regulation and Frequency Response Rate for 2015"		
(3)	Average of monthly peaks for 2015 Control Area(s).		
	Regulation and Frequency Response (Western's Costs)		
11	Fixed Charge Rate	18.626%	(4)
12	Corps Generation Net Plant Costs (\$)	\$ 453,567,223	(5)
13	Annual Corps Generation Cost (\$)	\$ 84,481,431	L1*L2
14	Plant Capacity (kW)	2,500,000	
15	Cost/kW (\$/kW)	\$ 33.79	L3/L4
16	Capacity Used for Regulation (kW)	8,861	
17	Regulation Revenue Requirement (\$) - Capacity	\$299,436	
18	Regulation Revenue Requirement (\$) - Purchases	\$0	(6)
19	Total Regulation Revenue Requirement (\$)	\$299,436	
(4)	Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Corps Revenue Requirement for 2017 Rate.		
(5)	Corps Generation Net Plant is Total Electric Plant in Service less less Depreciation Reserve.		
(6)	Cost of Purchases Required to Regulate for Intermittent Resources.		

Western-UGP 2017 Estimate

Rate for Reserves

Line No.	DESCRIPTION (1)	RESERVES (2)	REFERENCE (3)
1	Fixed Charge Rate	18.626%	(1)
2	Corps Generation Net Plant Costs (\$)	\$ 453,567,223	(2)
3	Annual Corps Generation Cost (\$)	\$ 84,481,431	L1*L2
4	Plant Capacity (kW)	2,500,000	
5	Cost/kW (\$/kW-Yr)	\$ 33.79	L3/L4
6	Prior Year True-Up	\$ 5,697	
7	Monthly Charge (\$/kW-mo)	\$ 2.82	
8	Western's Maximum Load in WAUW Control Area (kW)	151,000	(3)
9	Maximum Generation in WAUW Control Area (kW)	97,500	(4)
10	Capacity used for Reserves (kW) -- 3% Load + 3% Gen	7,455	L8*3% + L9*3%
11	Annual Reserves Revenue Requirement	\$ 257,621	L10*L5 + 6
(1)	Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Generation Revenue Requirement for 2017 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 2015.		
(4)	Northwest Power Pool Reserve Sharing System.		