

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

Effective January 1, 2018

2016 Rate True-up Calculation

Western-UGP

Transmission and Ancillary Services List of Workpapers and Schedules

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

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

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

SUPPORTING CALCULATIONS AND NOTES									
TRANSMISSION PLANT INCLUDED IN UMZ RATES									
77	Total transmission plant	(line 13, column 3)						1,337,894,994	
78	Less transmission plant excluded from UMZ rates	(Note K)						0	
79	Less transmission plant included in OATT Ancillary Services	(Note L)						0	
80	Transmission plant included in IS rates	(line 77 less line 78 and 79)						1,337,894,994	
81	Percentage of transmission plant included in UMZ Rates	(line 80 / line 77)				TP=		1.00000	
TRANSMISSION EXPENSES									
82	Total transmission expenses	(sum lines 42 to 44, column 3)						0	
83	Less transmission expenses included in OATT Ancillary Services	(Note J)						0	
84	Included transmission expenses	(line 82 - line 83)						0	
85	Percentage of transmission expenses after adjustment (line 8 divided by line 6)	(line 84 / line 82)						0.00000	
86	Percentage of transmission plant included in UMZ Rates	(line 81)				TP		1.00000	
87	Percentage of transmission expenses included in UMZ Rates	(line 86 * line 85)				TE=		0.00000	
WAGES & SALARY ALLOCATOR (W&S)									
			\$		TP	Allocation			
88	Production		0	0.00		0			
89	Transmission		21,862,792	1.00		21,862,792			
90	Distribution		0	0.00		0			W&S Allocator
91	Other		0	0.00		0			(\$ / Allocation)
92	Total	(sum lines 88 to 91)	21,862,792			21,862,792	=		1.00000
PERCENTAGE OF TOTAL PLANT ALLOCATOR PTP									
			\$						
93	Transmission Plant in Service Western-UGP		1,256,484,013						
94	Total Plant in Service Western-UGP		1,318,503,106						
95	UGP Percentage of Transmission Plant to Total Plant	(line 93 / line 94)				PTP/UGP	=	0.95296	
96	Transmission Plant in Service Western-RMR		7,324,885						
97	Total Plant in Service Western-RMR		779,116,202						
98	RMR Percentage of Transmission Plant to Total Plant	(line 96 / line 97)				PTP/RMR	=	0.00940	
99	Transmission Plant in Service COE		74,086,097						
100	Total Plant in Service COE		1,062,633,395						
101	COE Percentage of Transmission Plant to Total Plant	(line 99 / line 100)				PTP/COE	=	0.06972	
COMMON PLANT ALLOCATOR (CE)									
			\$		% Electric			Labor Ratio =	CE
102	Electric		0		(line 102 / line 105)			(line 92)	0.00000
103	Gas		0		0.00000	*		1.00000	
104	Water		0						
105	Total	(sum lines 102 to 104)	0						
RETURN (R)									
			\$						
106	Long Term Interest Schedule 5		\$42,108,336						
			\$		%	Cost (Note O)		Weighted	=WCLTD
107	Long Term Debt	HFD Sch's 21RX & 21X Col 8 Lines 23,25,26,29,30	853,385,510	100%		0.0493		0.0493	=R
108	Proprietary Capital		0	0%		0.1238		0.0000	
109	Total (sum lines 107 to 108)	(sum lines 107 to 108)	853,385,510	100%				0.0493	
110						Proprietary Capital Cost Rate =		12.38%	
111						TIER =		1.00	
REVENUE CREDITS									
ACCOUNT 447 (SALES FOR RESALE)									
112	a. Bundled Non-RQ Sales for Resale	(Note P)						0	
113	b. Bundled Sales for Resale included in Divisor on page 1							0	
114	Total of (a)-(b)							0	
115	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	(Note Q)						108,162	
116	ACCOUNT 456 (OTHER ELECTRIC REVENUES)							0	
117	a. Transmission charges for all transmission transactions							0	
118	b. Transmission charges for all transmission transactions included in Divisor on page 1							0	
119	Total of (a)-(b)							0	
Note Letter	General Note: References to Results of Operations in this revenue requirement template indicate the Financial Statement Results of Operations (ROOs) Schedule where data is located. To the extent the references to ROOs data are missing, the entity will include a "Notes" section to provide this data.								
A	Combines plant data for both the Western-Upper Great Plains Region (Western-UGP) and Western-Rocky Mountain Region (Western-RMR).								
B	Does not apply to Western. For others, the balances in Accounts 190, 281, 282 and 283, as adjusted by any contra accounts identified as regulatory assets amounts in or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated.								
C	Transmission related only.								
D	Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at line 53 column 5. Prepayments are the electric related prepayments booked to Account No. 165 and reported in the Other Assets Section of the Balance Sheet.								
E	For O&M Expense, Calculated as Total O&M from Results of Operations less Purchase Power, Transmission Service Provided by Others (FERC 565), O&M Expense Fort Peck Powerhouse, Prior Year Adjustments, A&G Expense from Schedule 11, plus CME and Warehouse Interest from Schedule 5. Depreciation Expense from Results of Operations Schedule 4.								
F	Totals of Results of Operations Schedule 11A Object Classes 1411, 1412, 1415, 1416, 1421, 1422, 1425, 1426, 1431, 1432, 1441, 1442.								
G	Line 49 - EPRI Annual Membership Dues, all Regulatory Commission Expenses, and non-safety related advertising. Line 50 - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting.								
H	Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.								
I	Western is not subject to Federal or State Income Tax.								
	Inputs Required:								
		FIT =	0.00%						
		SIT=	0.00%	(State Income Tax Rate or Composite SIT)					
		p =	0.00%	(percent of federal income tax deductible for state purposes)					
J	Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Acct No. 561. Western does not include transmission expenses in ancillary service rates.								
K	Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until RUS 12 balances are adjusted to reflect application of seven-factor test).								
L	Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.								
M	Percentage of Total Plant Allocators are developed separately for Western-UGP and Western-RMR to allocate O&M, A&G, and Depreciation Expenses between Transmission and Generation.								
N	Western does not have Common Plant.								
O	Debt cost rate = long-term interest (line 106) / long term debt (line 107). The Proprietary Capital Cost rate is implicit, a residual calculation after TIER is determined. TIER will be supported in the filing and no change in TIER may be made absent a filing with the ISO and the FERC, if the entity is under FERC's jurisdiction.								
P	Line 112 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456 and all other uses are to be included in the divisor.								
Q	Includes income related only to transmission facilities, such as pole attachments, rentals and special use.								
R	The revenues credited in lines 2-5 shall include only the amounts received directly reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Revenue Requirement Template.								

Western-UGP 2016 Actual

Scheduling, System Control and Dispatch Service

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

Western-UGP
2016 Actual Facility Costs

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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

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

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

[illegible]

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

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

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

Criteria 2: Interconnect Zones / Surrounding Entities

Criteria 3: Control and Protection

Criteria 4: High Side of Transformer

Criteria 5: DC Interconnection

Criteria 6: 7 Factor Test

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

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

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

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

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

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

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

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

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

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

Western-UGP 2016 Actual
Rate for Reserves

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