



Department of Energy
Western Area Power Administration
Watertown Operations Office
P.O. Box 790
1330 41st Street SE
Watertown, South Dakota 57201-0790

OCT 06 2015

Dear Transmission Customers and Other Interested Parties:

Summarized below are the Western Area Power Administration, Upper Great Plains Region (Western-UGP) Transmission and Ancillary Services Rates which will be effective January 1, 2016. Western-UGP transferred functional control of its eligible transmission facilities to Southwest Power Pool, Inc. (SPP) on October 1, 2015, and therefore transmission and ancillary services on such facilities are now available from SPP as the Transmission Provider under SPP's Open Access Transmission Tariff.

Western-UGP will host a meeting to provide customers and other interested parties an opportunity to discuss and comment on these recalculated revenue requirements on October 29, 2015, at 9:00 a.m. MDT at Western's offices located at 2900 4th Avenue North, 6th Floor, Billings, MT. The meeting will also be available via WebEx. For those desiring to attend the meeting in person or via WebEx, please contact Sara Baker at (406) 255-2924 or sbaker@wapa.gov before October 29, 2015, for meeting or WebEx access information.

This meeting provides an opportunity to discuss the proper application of data in the formula rates, not the rate formulas themselves.

The Western-UGP recalculated revenue requirements for 2016 are as follows:

Western-UGP Transmission and Ancillary Services Formula Rates

<u>Service</u>	<u>Rate Schedule No.</u>	<u>2016 Annual Revenue Requirement¹</u>
Transmission	WAUGP-ATTR	\$ 138,325,368 ²
Scheduling, System Control and Dispatch	WAUGP-AS1	\$ 12,218,940 ²
Regulation and Frequency Response	WAUW-AS3	\$ 308,284
Operating Reserves – Spinning and	WAUW-AS5 and 6	\$ 236,842

¹ The recalculated revenue requirements will take effect on the first day of the first full billing period beginning on or after January 1, 2016.

² The Annual Revenue Requirement estimates are based upon facilities that Western-UGP has proposed to be included per Attachment AI of SPP's Tariff and feedback from SPP regarding Attachment AI qualifying criteria. The list of Western-UGP facilities included is available on the Western-UGP's Open Access Same-Time Information System (OASIS) home page hosted on SPP's OASIS at <http://www.oatiaoasis.com/wapa/index.html>.

Supplemental Reserves

Energy Imbalance	WAUW-AS4	i) For deviations within +/- 1.5% (minimum of 2 MW) of the scheduled transaction, 100% of average incremental³ cost; ii) For deviations greater than +/- 1.5% up to 7.5% (or greater than 2 MW up to 10 MW) of the scheduled transaction, 110% of incremental cost when energy taken is greater than energy scheduled and 90% of incremental cost when energy taken is less than scheduled; iii) For deviations greater than +/- 7.5% (or 10 MW) of the scheduled transaction, 125% of incremental cost when energy taken is greater than energy scheduled and 75% of incremental cost when energy taken is less than scheduled.
Generator Imbalance	WAUW-AS7	i) For deviations within +/- 1.5% (minimum of 2 MW) of the scheduled transaction, 100% of the average incremental³ cost; ii) For deviations greater than +/- 1.5% up to 7.5% (or greater than 2 MW up to 10 MW) of the scheduled transaction, 110% of incremental cost when energy delivered is less than generation scheduled and 90% of incremental cost when energy delivered is greater than scheduled; iii) For deviations greater than +/- 7.5% (or 10 MW) of the scheduled transaction, 125% of incremental cost when energy delivered is less than energy scheduled and 75% of incremental cost when energy delivered is greater than scheduled.

³ Western-UGP's incremental cost will be based upon a representative hourly energy index or combination of indexes. The index to be used will be posted on the applicable SPP Web site and/or SPP's Open Access Same-Time Information System (OASIS) at least 30 days before use for determining the Western-UGP incremental cost and will not be changed more often than once per year unless Western-UGP determines that the existing index is no longer a reliable price index. Data used and the charges resulting from using this formula will be posted on the applicable SPP Web site and/or SPP OASIS.

As an exception, an intermittent resource will be exempt from this deviation band and will pay the deviation band charges for all deviations greater than the larger of 1.5% or 2 MW.

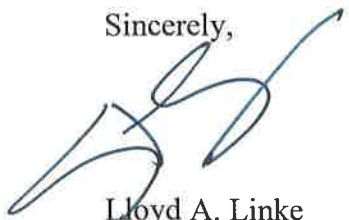
The data used in recalculating these rates can be found on Western-UGP's OASIS home page (<http://www.oatioasis.com/wapa/index.html>) hosted on SPP's OASIS and also on Western-UGP's rate web site <https://www.wapa.gov/regions/UGP/rates/Pages/rates.aspx>.

These new rates will be used by SPP for billing transmission and ancillary services in the SPP Zone 19 pricing zone (also referred to as the Upper Missouri Zone or UMZ) and/or in the Western Area Power Administration, Upper Great Plains West Balancing Authority Area (WAUW) in the Western Interconnection effective January 1, 2016.

Please refer to Western-UGP's OASIS home page (<http://www.oatioasis.com/wapa/index.html>) hosted on SPP's OASIS for information regarding the implementation status for Western-UGP assessing financial charges as the Balancing Authority for WAUW in the Western Interconnection under the Energy Imbalance and Generator Imbalance rates.

If you have any questions concerning the Western-UGP Transmission and Ancillary Services Rate Calculation, please telephone me at (605) 882-7500 or Steve Sanders at (406) 255-2840.

Sincerely,



Lloyd A. Linke
Operations Manager

for

Western-UGP
Transmission and Ancillary Services
Rate Calculation

Effective January 1, 2016

2016 Rate Estimate Calculation

Western-UGP

Transmission and Ancillary Services List of Workpapers and Schedules

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

Western-UGP Timeline

September 1, 2015 (on or shortly after)	Annual recalculation of prior year (2014) and estimated ATRR for upcoming year (2016) will be available for review/comment on SPP's website and Western's website at www.wapa.gov/ugp/rates/default.htm
October 1, 2015	2015 rates go into effect under SPP's Tariff
October 31, 2015 (on or before)	Western-UGP will provide opportunity to discuss/comment on recalculated (2014) ATRR and estimated ATRR (2016). 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, 2016	Recalculated revenue requirement will go into effect
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/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, 2017	Recalculated revenue requirement will go into effect

Western-UGP						
Revenue Requirement - Non-Levelized						
Utilizing Financial Statement Results of Operations						
12 Months Ending 09/30/2016 ESTIMATE						
Line No.	(1)	REFERENCE (2)	COMPANY TOTAL (3)	ALLOCATOR	(4)	TRANSMISSION ALLOCATED AMOUNT (5)
1	GROSS REVENUE REQUIREMENT	(line 76)				\$ 145,449,367
	REVENUE CREDITS	(Note R)				
2	Short-Term Firm Point-to-Point Transmission Service Credit		36,446	NA	1.00000	36,446
3	Non-Firm Point-to-Point Transmission Service Credit		1,477,725	NA	1.00000	1,477,725
4	Revenue from Existing Transmission Agreements		631,106	NA	1.00000	631,106
5	Scheduling, System Control, and Dispatch Service Credit		12,218,940	NA	1.00000	12,218,940
6	Account No. 454	(line 115)	54,722	TP	1.00000	54,722
7	Account No. 456	(line 119)	0	TP	1.00000	0
8	TOTAL REVENUE CREDITS					14,418,939
9	PRIOR PERIOD TRUE-UP (Under-collection)					\$ 7,294,940
10	Portion of ATRR eligible for SPP region-wide cost sharing					\$ -
11	NET REVENUE REQUIREMENT	(line 1 - line 8)				\$ 138,325,368
	RATE BASE:					(Col 3 times Col 4)
	GROSS PLANT IN SERVICE	(Note A)				
12	Production	Schedule 1A Total	1,014,435,023	NA		
13	Transmission	Schedule 1A Total	1,301,131,134	TP	1.00000	1,301,131,134
14	Distribution	Schedule 1A Total	39,167,284	NA		
		Bal Sheet - Other Assets - SGL				
15	General & Intangible	175002	-	W/S	1.00000	0
16	Common		-	CE	0.00000	0
17	TOTAL GROSS PLANT	(sum lines 12 to 16)	2,354,733,441	GP=	55.256%	1,301,131,134
	ACCUMULATED DEPRECIATION					
18	Production	Schedule 4	542,645,443	NA		
19	Transmission	Schedule 4	615,136,031	TP	1.00000	615,136,031
20	Distribution	Schedule 4	18,358,022	NA		
		Bal Sheet - Other Assets - SGL				
21	General & Intangible	175902	0	W/S	1.00000	0
22	Common		0	CE	0.00000	0
23	TOTAL ACCUM. DEPRECIATION	(sum lines 18 to 22)	1,176,139,496			615,136,031
	NET PLANT IN SERVICE					
24	Production	(line 12 - line 18)	471,789,580			
25	Transmission	(line 13 - line 19)	685,995,103			685,995,103
26	Distribution	(line 14 - line 20)	20,809,262			
27	General & Intangible	(line 15 - line 21)	0			0
28	Common	(line 16 - line 22)	0			0
29	TOTAL NET PLANT	(sum lines 24 to 28)	1,178,593,944	NP=	58.205%	685,995,103
	ADJUSTMENTS TO RATE BASE	(Note B)				
30	Account No. 281	(enter negative)	0		0.00000	0
31	Account No. 282	(enter negative)	0	NP	0.58205	0
32	Account No. 283	(enter negative)	0	NP	0.58205	0
33	Account No. 190		0	NP	0.58205	0
34	Account No. 255	(enter negative)	0	NP	0.58205	0
35	TOTAL ADJUSTMENTS	(sum lines 30 to 34)	0			0
36	LAND HELD FOR FUTURE USE	(Note C)	0	TP	1.00000	0
	WORKING CAPITAL	(Note D)				
37	CWC	calculated	22,832,507			0
		Bal Sheet - Other Assets - SGL				
38	Materials & Supplies	151191 (Note C)	0	TE	0.00000	0
39	Prepayments	Bal Sheet Other Assets	0	GP	0.55256	0
40	TOTAL WORKING CAPITAL	(sum lines 37 to 39)	22,832,507			0
41	RATE BASE	(sum lines 29, 35, 36, 40)	1,201,426,451			685,995,103
	O&M					
42	Transmission	Schedule 11 (Note E)				
43	Western-UGP		58,577,528	PTP/UGP	0.95674	56,043,735
44	Western-RMR		32,362,260	PTP/RMR	0.00928	300,373
45	COE	COE Financial Stmt	60,797,463	PTP/COE	0.07222	4,390,556
46	Less Account 565	(Note E)		NA	1.00000	0
	A&G	Schedule 11 (Note F)				
47	Western-UGP		21,354,718	PTP/UGP	0.95674	20,431,011
48	Western-RMR		9,568,083	PTP/RMR	0.00928	88,807
49	Less FERC Annual Fees		0	W/S	1.00000	0
50	Less EPRI & Reg. Comm. Exp. & Non-safety Ad	(Note G)	0	W/S	1.00000	0
51	Plus Transmission Related Reg. Comm. Exp	(Note G)	0	TE	0.00000	0
52	Common		0	CE	0.00000	0
	Transmission Lease Payments		0	NA	1.00000	0
53	TOTAL O&M	(sum lines 42, 43, 44, 46, 47, 50, 51 less 45, 48, 49)	182,660,053			81,254,481
	DEPRECIATION EXPENSE					
54	Transmission	Schedule 4				
55	Western-UGP		29,969,158	PTP/UGP	0.95674	28,672,831
56	Western-RMR		17,512,942	PTP/RMR	0.00928	162,548
57	COE		12,464,666	PTP/COE	0.07222	900,150
58	General		0	W/S	1.00000	0
59	Common		0	CE	0.00000	0
60	TOTAL DEPRECIATION	(sum lines 54 to 59)	59,946,766			29,735,528
	TAXES OTHER THAN INCOME TAXES	(Note H)				
	LABOR RELATED					
61	Payroll		0	W/S	1.00000	0
62	Highway and vehicle		0	W/S	1.00000	0
	PLANT RELATED					
63	Property		0	GP	0.55256	0
64	Gross Receipts		0		0.00000	0
65	Other		0	GP	0.55256	0
66	Payments in lieu of taxes		0	GP	0.55256	0
67	TOTAL OTHER TAXES	(sum lines 61 to 66)	0			0
	INCOME TAXES	(Note I)		NA		
68	$T=1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$		0.00%			
69	$\text{CIT}=(T/(1-T)) * (1-(\text{WCLTD}/R)) =$ where WCLTD= (line 107) and R= (line 109) and FIT, SIT & p are as given in footnote I.		0.00%			
70	$1 / (1 - T) =$ (from line 68)		0.0000			
71	Amortized Investment Tax Credit	(enter negative)	0			0
72	Income Tax Calculation	(line 69 * line 75)	0	NA		0
73	ITC adjustment	(line 70 * line 71)	0	NP	0.58205	0
74	Total Income Taxes	(line 72 + line 73)	0			0
75	RETURN [Rate Base * Rate of Return]	(line 41 * line 106)	60,350,845	NA		34,459,358
76	REV. REQUIREMENT	(sum lines 53, 60, 67, 74, 75)	302,957,663			145,449,367

SUPPORTING CALCULATIONS AND NOTES									
TRANSMISSION PLANT INCLUDED IN UMZ RATES									
77	Total transmission plant	(line 13, column 3)						1,301,131,134	
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 UMZ rates	(line 77 less line 78 and 79)						1,301,131,134	
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)							
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)									
88	Production		\$	0	0.00	Allocation			
89	Transmission			21,354,718	1.00	21,354,718			
90	Distribution			0	0.00	0			
91	Other			0	0.00	0			
92	Total	(sum lines 88 to 91)		21,354,718		21,354,718	=		1.00000
PERCENTAGE OF TOTAL PLANT ALLOCATOR PTP									
93	Transmission Plant in Service Western-UGP		\$	1,216,615,343					
94	Total Plant in Service Western-UGP			1,271,619,755					
95	UGP Percentage of Transmission Plant to Total Plant	(line 93 / line 94)				PTP/UGP	=		0.95674
96	Transmission Plant in Service Western-RMR			6,787,727					
97	Total Plant in Service Western-RMR			731,311,606					
98	RMR Percentage of Transmission Plant to Total Plant	(line 96 / line 97)				PTP/RMR	=		0.00928
99	Transmission Plant in Service COE			77,728,064					
100	Total Plant in Service COE			1,076,325,959					
101	COE Percentage of Transmission Plant to Total Plant	(line 99 / line 100)				PTP/COE	=		0.07222
COMMON PLANT ALLOCATOR (CE)									
102	Electric		\$	0		% Electric		Labor Ratio =	0.00000
103	Gas			0		(line 102 / line 105)		(line 92)	
104	Water			0		0.00000	*	1.00000	
105	Total	(sum lines 102 to 104)		0					
RETURN (R)									
106	Long Term Interest Schedule 5		\$	42,823,232					
107	Long Term Debt	HFD Sch's 21RX & 21X Col 8 Lines	\$	852,497,820	100%	0.0502		0.0502 =R	
108	Proprietary Capital	23,25,26,29,30		0	0%	0.1238		0.0000	
109	Total (sum lines 31-32)	(sum lines 107 to 108)		852,497,820	100%			0.0502	
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)						54,722	
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	
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 Estimate
Scheduling, System Control and Dispatch Service

Line No.	DESCRIPTION (1)	SSCD (4)	REFERENCE (5)
1	A. Operation and Maintenance Expense	\$11,144,767	O&M Expenses Worksheet
2	B. A&G Expense	\$202,065	A&G Expenses Worksheet
3	C. Depreciation Expense	\$283,578	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	4.891%	Cost of Capital Worksheet
8	Net Plant Investment	\$12,032,491	
9	Cost of Capital	\$ 588,529	L7*L8
10	H. Revenue Requirement		
11	Annual Western-UGPR Cost	\$12,218,940	L1+L2+L3+L9
12	Estimated SSCD Revenue from non-Transmission facilities	\$ -	
13	Revenue Requirement for SSCD for Transmission facilities	\$12,218,940	L11-L12

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
1	AURORA- BROOKINGS 115-KV T/L	133,158	-	133,158
2	AURORA-FLANDREAU 115-KV T/L	96,623	-	96,623
3	BAKER-HETTINGER	459,778	-	459,778
4	BEULAH-GARRISON	351,685	-	351,685
5	BISMARCK-GLENHAM	5,000,750	-	5,000,750
6	BISMARCK-JAMESTOWN NO. 1	5,697,945	-	5,697,945
7	BISMARCK-JAMESTOWN NO. 2	4,229,572	-	4,229,572
8	BISMARCK-MEDORA	7,853,944	-	7,853,944
9	BROOKINGS-SIOUX FALLS	1,954,466	-	1,954,466
10	BROOKINGS-WATERTOWN NO. 1	1,718,240	-	1,718,240
11	BROOKINGS-WATERTOWN NO. 2	3,318,558	-	3,318,558
12	BROOKINGS-WHITE 115/230KV	2,952,237	-	2,952,237
13	CARRINGTON-JAMESTOWN	1,259,668	-	1,259,668
14	CHARLIE CREEK - WATFORD CITY	7,750,195	-	7,750,195
15	CHARLIE CREEK-BELFIELD	14,513,308	-	14,513,308
16	CHARLIE CREEK - BEULAH	4,705,536	-	4,705,536
17	CONRAD-SHELBY #2	5,841,992	-	5,841,992
18	CRESTON-MARYVILLE	1,366,481	-	1,366,481
19	DAWSON COUNTY - MILES CITY	2,605,678	-	2,605,678
20	DAWSON-GLENDIVE	587,640	-	587,640
21	DAWSON-MEDORA	2,867,800	-	2,867,800
22	DAWSON-O'FALLON CREEK	918,676	-	918,676
23	DAWSON-WILLISTON	1,258,900	-	1,258,900
24	DENISON-CRESTON	20,977,731	-	20,977,731
25	DEVILS LAKE-CARRINGTON	8,750,600	-	8,750,600
26	DEVILS LAKE-LAKOTA	1,872,142	-	1,872,142
27	EDGELEY-FORMAN	375,316	-	375,316
28	EDGELEY-GROTON	771,572	-	771,572
29	ELK CREEK-NEWELL-MAURINE 115-kv T/L	60,704	-	60,704
30	FARGO-GRAND FORKS	2,369,098	-	2,369,098
31	FARGO-MORRIS	7,305,876	-	7,305,876
32	FORMAN-SUMMIT (BISMARCK)	922,098	-	922,098
33	FORMAN-SUMMIT (HURON)	3,440,115	-	3,440,115
34	FORT PECK-DAWSON	8,364,612	-	8,364,612
35	FORT PECK-HAVRE	28,806,330	-	28,806,330

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
36	FORT PECK-WHATELY	10,162,097	-	10,162,097
37	FORT PECK-WILLISTON	91,876	-	91,876
38	FORT PECK-WOLF POINT #2	7,554,492	-	7,554,492
39	FORT RANDALL-FORT THOMPSON 1&2	7,326,839	-	7,326,839
40	FORT RANDALL-GAVIN'S POINT	2,262,949	-	2,262,949
41	FORT RANDALL-GREGORY	777,327	-	777,327
42	FORT RANDALL-MT VERNON	967,828	-	967,828
43	FORT RANDALL-O'NEILL	679,540	-	679,540
44	FORT RANDALL-SIOUX CITY 1&2	10,230,863	-	10,230,863
45	FORT THOMPSON-GRAND ISLAND	16,397,505	-	16,397,505
46	FORT THOMPSON-HURON 230-KV 1&2	5,033,030	-	5,033,030
47	FORT THOMPSON-SIOUX FALLS 1&2	10,035,507	-	10,035,507
48	GARRISON-BISMARCK 230KV 1&2	5,659,188	-	5,659,188
49	GARRISON-JAMESTOWN	4,483,804	-	4,483,804
50	GARRISON-MALLARD	1,993,083	-	1,993,083
51	GARRISON-WM. J. NEAL	1,540,944	-	1,540,944
52	GAVINS POINT-BELDEN	455,727	-	455,727
53	GAVINS POINT-SIOUX FALLS	2,780,055	-	2,780,055
54	GRANITE FALLS- MORRIS	3,279,089	-	3,279,089
55	GRANITE FALLS-MINNESOTA VALLEY	156,778	-	156,778
56	GREAT FALLS-CONRAD	12,744,945	-	12,744,945
57	GREGORY-MISSION	2,010,227	-	2,010,227
58	GROTON-HURON	1,212,199	-	1,212,199
59	GROTON-SUMMIT	3,176,751	-	3,176,751
60	HAVRE-RAINBOW	8,685,923	-	8,685,923
61	HAVRE-SHELBY#2	6,041,061	-	6,041,061
62	HESKETT-DEVAUL	2,533,990	-	2,533,990
63	HETTINGER-NEW UNDERWOOD	10,907,369	-	10,907,369
64	HURON-MT VERNON	617,623	-	617,623
65	HURON-WATERTOWN 230KV 1&3	6,319,622	-	6,319,622
66	JAMESTOWN-EDGELEY	324,360	-	324,360
67	JAMESTOWN-FARGO NO. 1	4,941,649	-	4,941,649
68	JAMESTOWN-FARGO NO. 2	3,155,850	-	3,155,850
69	JAMESTOWN-GRAND FORKS	23,371,776	-	23,371,776
70	JAMESTOWN-VALLEY CITY	1,055,414	-	1,055,414

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
71	LEEDS-DEVILS LAKE	8,982,948	-	8,982,948
72	LEEDS-ROLLA	4,035,543	-	4,035,543
73	MALLARD-RUGBY	1,089,083	-	1,089,083
74	MARTIN-MISSION	1,816,904	-	1,816,904
75	MARTIN-PHILIP	1,790,108	-	1,790,108
76	MAURINE-RAPID CITY	6,346,265	-	6,346,265
77	MILES CITY-BAKER	10,569,338	-	10,569,338
78	MILES CITY-CUSTER	3,750,704	-	3,750,704
79	NEW UNDERWOOD-PHILIP	2,717,399	-	2,717,399
80	NEW UNDERWOOD-RAPID CITY NO. 1	1,132,486	-	1,132,486
81	NEW UNDERWOOD-RAPID CITY NO. 2	309,991	-	309,991
82	NEW UNDERWOOD-STEGALL (HURON)	2,651,860	-	2,651,860
83	OAHE-FORT THOMPSON 230KV 1&2	3,863,432	-	3,863,432
84	OAHE-FORT THOMPSON 230KV 3&4	5,119,119	-	5,119,119
85	OAHE-GLENHAM	5,768,280	-	5,768,280
86	OAHE-MAURINE	1,967,901	-	1,967,901
87	OAHE-NEW UNDERWOOD	6,683,770	-	6,683,770
88	OAHE-PIERRE	388,816	-	388,816
89	O'FALLON CREEK-MILES CITY	2,488,318	-	2,488,318
90	PIERRE-PHILIP	1,187,034	-	1,187,034
91	RAPID CITY-ELK CREEK 115-kV T/L	52,064	-	52,064
92	RAPID CITY-DRY CREEK	4,900,000	-	4,900,000
93	RUGBY-LEEDS	2,235,655	-	2,235,655
94	SIOUX CITY-DENISON	3,193,881	-	3,193,881
95	SIOUX CITY-SPENCER	1,938,353	-	1,938,353
96	SIOUX FALLS- SIOUX CITY	3,217,192	-	3,217,192
97	SIOUX FALLS-VIRGIL FODNESS 230KV T-LINE	277,897	-	277,897
98	SUMMIT-WATERTOWN	6,743,203	-	6,743,203
99	TIBER TAP-TIBER	1,084,858	-	1,084,858
100	UTICA JCT-SIOUX FALLS	3,485,236	-	3,485,236
101	VALLEY CITY-FORMAN	1,527,895	-	1,527,895
102	VERONA GREAT FALLS 161-kV LINE	4,944,981	-	4,944,981
103	VIRGIL FODNESS-UTICA JUNCTION-FT RANDALL/RASMUS	312,931	-	312,931
104	WATERTOWN-GRANITE FALLS 1&2	7,381,220	-	7,381,220
105	WATERTOWN-SIOUX CITY	26,679,769	-	26,679,769

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
106	WATFORD CITY-BEULAH	992,709	-	992,709
107	WILLISTON-WATFORD CITY	23,411,287	-	23,411,287
108	WOLF POINT-CIRCLE	3,980,617	-	3,980,617
109	WM. J. NEAL-RUGBY	4,629,316	-	4,629,316
110	YELLOWTAIL-CUSTER	2,265,163	-	2,265,163
111	TRANSMISSION LINES	516,339,830	-	516,339,830
112	APPELDORN SUBSTATION	6,140,811	-	5,890,985
113	ARMOUR SUBSTATION	2,495,334	-	1,745,413
114	ASH SUBSTATION	63,325	-	63,325
115	AURORA SUBSTATION	2,899,881	-	2,775,537
116	BELDEN SUBSTATION	164,986	-	164,986
117	BELFIELD SUBSTATION	14,003,963	-	13,786,862
118	BERESFORD SUBSTATION	4,653,291	-	4,126,630
119	BISBEE SUBSTATION	272,529	-	56,597
120	BISMARCK SUBSTATION	8,038,393	-	8,038,393
121	BISMARCK SUBSTATION	11,531,371	-	11,363,314
122	BISON	13,499	-	13,499
123	BOLE SUB	2,945,979	-	2,316,776
124	BONESTEEL SUBSTATION	3,443,566	-	2,216,942
125	BROOKINGS SUBSTATION	4,460,377	-	4,460,377
126	CARPENTER SUBSTATION	2,463,312	-	2,463,312
127	CARRINGTON SUBSTATION	3,819,873	-	3,178,907
128	CIRCLE SUBSTATION	9,139,054	-	7,307,242
129	CONRAD SUB	5,282,895	-	4,967,850
130	CRESTON SUBSTATION	12,470,332	-	12,470,332
131	CROSSOVER SUB	11,176,976	-	11,176,976
132	CULBERTSON EAST SWITCHING STATION	2,390,851	-	2,390,851
133	CUSTER SUBSTATION	4,633,608	-	4,037,765
134	CUSTER TRAIL SUBSTATION	1,475,222	-	(0)
135	DAWSON COUNTY SUBSTATION	10,023,616	-	10,022,589
136	DENISON SUBSTATION	15,901,126	-	15,635,842
137	DEVAUL SUBSTATION	882,271	-	(0)
138	DEVILS LAKE SUBSTATION	2,852,080	-	2,690,109
139	EAGLE BUTTE SUBSTATION	1,190,381	-	950,211
140	EDGELEY SUBSTATION	6,707,129	-	5,957,875

Western-UGP
2016 Estimate Facility Costs

		(1)	(2)	(3)	(4)
			FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION		(\$)		(\$)
141	ELK CREEK SUBSTATION		2,086,660	-	1,938,548
142	ELLEDALE SUBSTATION		579	-	-
143	ELLIOTT SWITCHING STATION		3,121,488	-	2,925,467
144	ENDERLIN TAP STATION		749,768	-	749,768
145	EXIRA SWITCHING STATION		5,500,776	-	5,385,485
146	FAIRVIEW WEST SWITCHING STATION		4,296,873	-	4,049,623
147	FAITH SUBSTATION		1,224,932	-	757,992
148	FARGO SUBSTATION		22,564,836	-	22,368,387
149	FLANDREAU SUBSTATION		4,222,330	-	4,181,895
150	FORMAN SUBSTATION		6,160,581	-	5,315,254
151	FORT RANDALL		253,710	-	253,710
152	FORT THOMPSON #2		10,761,312	-	10,761,312
153	FORT THOMPSON SUBSTATION		15,464,906	-	15,371,304
154	GLENDIVE SUBSTATION		1,725,310	-	1,725,310
155	GRAND FORKS SUBSTATION		10,146,043	-	10,146,043
156	GRAND ISLAND SUBSTATION		12,283,131	-	12,283,131
157	GRANITE FALLS SUBSTATION		20,114,866	-	19,455,571
158	GREAT FALLS SUB		8,188,497	-	8,188,497
159	GREGORY SUBSTATION		1,538,606	-	1,494,854
160	GROTON SUBSTATION		5,121,517	-	4,239,318
161	HAVRE SUBSTATION		11,937,096	-	11,421,380
162	HILKEN SUBSTATION		3,894,020	-	3,749,986
163	HURON SUBSTATION		10,816,912	-	10,482,436
164	JAMESTOWN SUBSTATION		18,720,001	-	17,106,122
165	KILLDEER SUBSTATION		6,501,113	-	6,032,465
166	LAKOTA SUBSTATION		3,195,079	-	3,049,291
167	LEEDS SUBSTATION		3,943,917	-	3,759,362
168	LETCHER SUBSTATION		10,998,129	-	10,852,062
169	MANDAN SUBSTATION		19,476	-	19,476
170	MARTIN SUBSTATION		1,827,365	-	845,694
171	MAURINE SUBSTATION		7,920,648	-	7,737,533
172	MIDLAND SUBSTATION		836,212	-	689,069
173	MILES CITY SUB #2		6,386,403	-	6,386,403
174	MILES CITY SUB #3		1,895,702	-	1,895,702
175	MILES CITY SUBSTATION		875,329	-	875,329

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
176	MISSION SUBSTATION	3,473,710	-	2,888,367
177	MORRIS SUBSTATION	7,229,447	-	7,229,447
178	MT VERNON SUBSTATION	2,030,824	-	1,892,893
179	NELSON SUBSTATION	1,944,817	-	1,911,073
180	NEW UNDERWOOD SUBSTATION	15,471,494	-	15,430,359
181	NEWELL SUBSTATION	1,152,964	-	880,770
182	O'FALLON CREEK SUBSTATION	3,264,302	-	3,216,941
183	PHILIP SUBSTATION	2,080,624	-	1,851,974
184	PIERRE SUBSTATION	4,268,659	-	3,557,503
185	RAINBOW SUBSTATION	250,629	-	-
186	RAPID CITY SUBSTATION	4,785,551	-	4,262,928
187	RICHLAND SUBSTATION	1,718,947	-	(0)
188	ROLLA SUBSTATION	623,513	-	623,513
189	RUDYARD SUBSTATION	3,334,690	-	1,913,710
190	RUGBY SUBSTATION	7,127,272	-	6,877,088
191	SAVAGE SUB	74,403	-	74,403
192	SHELBY SUBSTATION	958,632	-	-
193	SHELBY SUBSTATION #2	5,204,951	-	5,035,255
194	SIOUX CITY #2	11,700,074	-	11,700,074
195	SIOUX CITY SUBSTATION	16,505,737	-	16,505,737
196	SIOUX FALLS SUBSTATION	15,893,265	-	15,415,364
197	SPENCER	3,555,749	-	3,464,472
198	SULLY BUTTES	74,428	-	74,428
199	SUMMIT SUBSTATION	2,716,019	-	2,384,389
200	TYNDALL SUBSTATION	931,157	-	882,074
201	UTICA JCT.	12,863,876	-	12,863,876
202	VALLEY CITY SUBSTATION	7,939,038	-	7,881,821
203	VERONA	108,751	-	108,751
204	VIRGIL FODNESS SUBSTATION	3,206,763	-	3,206,763
205	WALL SUBSTATION	1,495,170	-	770,265
206	WARD SUBSTATION	3,445,860	-	3,115,711
207	WASHBURN SUBSTATION	2,064,740	-	1,115,828
208	WATERTOWN #2	2,900,981	-	2,900,981
209	WATERTOWN STATIC VAR SYSTEM	11,751,835	-	11,751,835
210	WATERTOWN SUBSTATION	15,432,125	-	15,432,125

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
211	WATFORD CITY SUB	7,833,447	-	7,833,447
212	WESSINGTON SPRINGS SUBSTATION	5,141,440	-	4,968,130
213	WHATELY (NORTHERN)	40,860	-	40,860
214	WHATELY SUBSTATION	109,910	-	55,663
215	WHITE 345/115 SUB	10,981,421	-	10,981,421
216	WICKSVILLE SUBSTATION	687,329	-	614,203
217	WILLISTON 2 SUBSTATION	9,468,504	-	9,468,504
218	WILLISTON SUBSTATION	6,321,427	-	6,321,427
219	WINNER SUBSTATION	3,219,465	-	3,120,406
220	WOLF POINT SUBSTATION	7,199,940	-	5,874,206
221	WOONSOCKET SUBSTATION	2,303,185	-	1,315,661
222	YANKTON SUBSTATION	53,583	-	0
223	SUBSTATIONS	607,771,658	-	574,577,919
224	ANITA	6,259	-	6,259
225	ASSINNIBOINE	35,005	-	35,005
226	BAKER	280,629	-	280,629
227	CANYON FERRY	45,210	-	45,210
228	CHARLIE CREEK	1,379,185	-	1,379,185
229	COTTON	1,399	-	1,399
230	DENBIGH TAP	848,872	-	810,134
231	DICKINSON	23,704	-	23,704
232	E. J. MANNING	49,112	-	49,112
233	EAGLE	66,108	-	66,108
234	FORSYTH	130,348	-	130,348
235	HARLEM	82,519	-	82,519
236	HETTINGER	10,832	-	10,832
237	HIGHWOOD	22,896	-	22,896
238	MALLARD	29,969	-	29,969
239	MALTA	340,848	-	340,848
240	NASHUA SUB	72,368	-	(0)
241	O'NEILL SUB (NPP)	180,660	-	180,660
242	PENN TAP	890,607	-	851,881
243	PLEASANT LAKE TAP	992,415	-	951,783
244	POPLAR (MDU)	3,758	-	3,758
245	SHIRLEY TAP	22,102	-	22,102

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
246	STANLEY	49,735	-	49,735
247	TERRY TAP	174,174	-	95,677
248	TERRY TAP	345,850	-	336,089
249	TIBER TAP	166,306	-	166,306
250	VETAL TAP	232,375	-	232,375
251	V. T. HANLON	5,553	-	5,553
252	WM. J. NEAL	156,417	-	156,417
253	YANKTON JCT.	76,396	-	76,396
254	LINE TAPS & RELATED EQUIP.	6,721,611	-	6,442,889
255	ARMOUR O&M SER. CEN.	3,488,667	-	3,488,667
256	BISMARCK O&M SER. CEN.	9,536,492	-	9,536,492
257	DAWSON SER. CEN.	4,384,732	-	4,384,732
258	DEVILS LAKE O&M SER. CEN.	3,852,064	-	3,852,064
259	FARGO LINE MAINTENANCE FACILITY	2,040,287	-	2,040,287
260	FARGO O&M SER. CEN.	794,673	-	794,673
261	FORT PECK SER. CEN.	5,626,463	-	5,626,463
262	FORT THOMPSON O&M S. C.	315,000	-	315,000
263	HAVRE SERVICE CENTER	249,377	-	249,377
264	HURON O&M SER. CEN.	2,512,836	-	2,512,836
265	JAMESTOWN O&M SER. CEN.	3,841,398	-	3,841,398
266	MILES CITY MTCE FAC.	1,025,254	-	1,025,254
267	NEW UNDERWOOD SER. CEN.	96,884	-	96,884
268	PHILIP O&M SER. CENT.	1,679,674	-	1,679,674
269	PIERRE O&M SER. CEN.	1,051,383	-	1,051,383
270	RAPID CITY GARAGE & STOR.	2,064,165	-	2,064,165
271	SIOUX CITY O&M SER. CEN.	3,007,882	-	3,007,882
272	SIOUX FALLS O&M SER. CEN.	239,920	-	239,920
273	WATERTOWN MAINT. CEN.	6,877,816	-	6,877,816
274	O&M SERVICE & MAINT. CENTERS	52,684,967	-	52,684,967
275	WATERTOWN ALTERNATE OPERATIONS CENTER	6,289,136	(1,608,761)	4,680,375
276	WATERTOWN OPERATIONS CENT	876,775	(217,991)	658,784
277	WATERTOWN OPER CTR (BFPS)	11,084,689	(2,755,572)	8,329,117
278	OPERATION CENTERS	18,250,600	(4,582,324)	13,668,276
279	MOB 115KV SWITCH TRAILER	69,741	-	69,741
280	MOB TRANSF 111KV 15MVA	213,000	-	213,000

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
281	MOB TRANSF 115KV 10MVA	218,493	-	218,493
282	MOB TRANSF 115KV 25MVA	1,156,699	-	1,156,699
283	MOB TRANSF 115KV 40MVA	1,018,855	-	1,018,855
284	MOB TRANSF 230KV 1-33MVA	170,278	-	170,278
285	MOBILE BY PASS KIT (BISMARCK)	35,071	-	35,071
286	MOBILE BY PASS KIT (HURON)	163,695	-	163,695
287	MOBILE CAPACITOR BANK	19,075	-	19,075
288	MOBILE SUB 110KV	127,144	-	127,144
289	MOBILE SUB 115KV 20MVA	404,166	-	404,166
290	MOBILE SUB 41.8 KV	192,498	-	0
291	MOBILE SUB 69KV	71,118	-	71,118
292	MOB SH.REACTOR	179,328	-	179,328
293	MOBILE EQUIPMENT	4,039,160	-	3,846,662
294	BIG BEND-FORT THOMPSON (LOW VOLTAGE)	81,944	(81,944)	-
295	CANYON FERRY-EAST HELENA "A"	141,044	-	141,044
296	CANYON FERRY-EAST HELENA "B"	141,044	-	141,044
297	FORT PECK POWERPLANT (COE)	64,611	(64,611)	-
298	FORT THOMPSON-BIG BEND NO. 1	922,164	-	922,164
299	FORT THOMPSON-BIG BEND NO. 2	690,735	-	690,735
300	TRANSMISSION-RELATED GEN. FACILITIES	2,041,542	(146,555)	1,894,987
301	ATLANTIC COMMUNICATION SITE	17,199	(5,495)	11,704
302	BAKER RELAY	67,970	(21,716)	46,253
303	BANTRY	343,131	(109,630)	233,501
304	BARRETT	244,695	(78,180)	166,515
305	BATTLE MT. MICROWAVE	324,151	(103,566)	220,585
306	BELLE PRAIRIE	152,583	(48,750)	103,833
307	BENEDICT	36,772	(11,749)	25,023
308	BEULAH	10,679	(3,412)	7,267
309	BIG BEND	113,362	(36,219)	77,143
310	BIJOU REPEATER	585,814	(187,168)	398,647
311	BISMARCK REPEATER	248,435	(79,375)	169,060
312	BISON REPEATER	240,427	(76,817)	163,611
313	BOLE NORTH REPEATER	149,228	(47,678)	101,550
314	BRINSMADE	147,129	(47,008)	100,121
315	BRISTOL	11,441	(3,655)	7,786

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
316	BRUNSVILLE REPEATER	92,595	(29,584)	63,011
317	BUFFALO	255,051	(81,489)	173,562
318	CAHOON	194,709	(62,209)	132,499
319	CARRINGTON REPEATER	693,236	(221,489)	471,747
320	CHARTER OAK REPEATER	15,667	(5,006)	10,661
321	CHINOOK (BEFP)	284,048	(90,753)	193,295
322	CHINOOK REPEATER	15,293	(4,886)	10,407
323	CLARK MW REPEATER	632,695	(202,146)	430,549
324	CLEVELAND REPEATER, N.D.	263,617	(84,226)	179,392
325	COLEMAN REPEATER	105,281	(33,637)	71,644
326	COLOME REPEATER	293,101	(93,646)	199,455
327	CONRAD BUTTE REPEATER	455,668	(145,586)	310,082
328	CRESTON REPEATER	11,107	(3,549)	7,558
329	CROW LAKE REPEATER	311,803	(99,621)	212,182
330	CROWN BUTTE	52,565	(16,795)	35,770
331	CULBERTSON RADIO RELAY SITE	1,926	(615)	1,311
332	CUSTER LOOKOUT	80,620	(25,758)	54,862
333	DALTON (WES)	198,021	(63,268)	134,753
334	DEVILS LAKE FIBER REGEN	273,047	(87,239)	185,809
335	DEVILS LAKE REPEATER	502,088	(160,417)	341,671
336	DODSON REPEATER	116,960	(37,369)	79,591
337	DOGDEN BUTTE	281,286	(89,871)	191,415
338	DRISCOLL	79,113	(25,277)	53,837
339	DUPREE REPEATER	1,821	(582)	1,239
340	DUTTON REPEATER (BEFP)	75,190	(24,023)	51,167
341	EAST RAINY BUTTE	147,041	(46,980)	100,061
342	ECKELSON	231,893	(74,090)	157,803
343	ELKTON	165,481	(52,871)	112,610
344	ELLENDAL REPEATER	644,579	(205,943)	438,636
345	ELLSWORTH AIR BASE	204,548	(65,353)	139,195
346	ERHARD	301,774	(96,417)	205,357
347	EXIRA REPEATER	2,527	(807)	1,720
348	F. L. BLAIR	76,407	(24,412)	51,995
349	FAIRPOINT REPEATER	339,030	(108,320)	230,710
350	FALLON REPEATER	117,267	(37,467)	79,800

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
351	FERGUS FALLS COMMUNICATIONS SITE	485,567	(155,139)	330,428
352	FLOWING WELLS	68,763	(21,970)	46,793
353	FORBES COMMUNICATION SITE	45,316	(14,478)	30,838
354	FORT PECK RELAY (WES)	250,960	(80,182)	170,778
355	FORT PECK COMMUNICATIONS BUILDING	380,212	(121,478)	258,734
356	FORT PECK REPEATER	109,069	(34,847)	74,221
357	FORT THOMPSON REPEATER	99,223	(31,702)	67,521
358	FORT THOMPSON REPEATER (EAST RIVER)	301,614	(96,366)	205,248
359	FOX CREEK MICROWAVE	423,094	(135,179)	287,915
360	FRYBURG SUB & MICROWAVE	61,204	(19,555)	41,649
361	GARRISON	267,755	(85,548)	182,208
362	GARY REPEATER	80,799	(25,815)	54,983
363	GAVIN'S POINT	148,752	(47,526)	101,226
364	GAVINS POINT REPEATER	425,943	(136,089)	289,854
365	GETTYSBURG REPEATER	368,771	(117,822)	250,949
366	GLENHAM	293,701	(93,837)	199,863
367	GRAND FORKS MINNKOTA (MPC)	23,847	(7,619)	16,228
368	HAILSTONE BUTTE	74,835	(23,910)	50,926
369	HALLOWAY REPEATER	109,706	(35,051)	74,655
370	HARLEM REPEATER	191,690	(61,245)	130,445
371	HATHAWAY	68,891	(22,011)	46,880
372	HERMOSA MICROWAVE	302,701	(96,713)	205,988
373	HIGHLAND REPEATER	22,884	(7,311)	15,572
374	HIGHMORE REPEATER	145,723	(46,559)	99,165
375	HINSDALE	201,837	(64,487)	137,350
376	HINSDALE REPEATER	773,408	(247,104)	526,304
377	HOPEWELL REPEATER	231,172	(73,860)	157,313
378	HUNTER MICROWAVE	210,227	(67,168)	143,060
379	HURON DISTRICT OFFICE	747,055	(238,684)	508,371
380	HYSHAM	90,227	(28,827)	61,399
381	JAMESTOWN REPEATER	46,981	(15,011)	31,971
382	JONES CREEK	267,395	(85,433)	181,962
383	KELLY CREEK	202,226	(64,611)	137,614
384	KILLDEER REPEATER	380,028	(121,419)	258,609
385	KNEE HILL MW	471,997	(150,803)	321,194

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
386	LAC QUI PARLE	766,404	(244,866)	521,538
387	LAKE ANDES REPEATER	641,322	(204,902)	436,420
388	LEFOR	48,470	(15,486)	32,984
389	LINDSAY RIDGE	79,074	(25,264)	53,810
390	LITTLE MISSOURI SUBSTATION	54,516	(17,418)	37,098
391	LODGEPOLE REPEATER	32,445	(10,366)	22,079
392	MALTA REPEATER	793,844	(253,633)	540,211
393	MANDAN MICROWAVE SITE	69,988	(22,361)	47,627
394	MAPLE RIVER	172,792	(55,207)	117,585
395	MARTIN REPEATER	300,728	(96,083)	204,646
396	MAYVILLE	196,624	(62,821)	133,802
397	MIDLAND REPEATER	516,515	(165,026)	351,488
398	MILES CITY SUB (BEFP)	305,418	(97,581)	207,837
399	MOE REPEATER	129,266	(41,301)	87,966
400	MOORHEAD	251,422	(80,329)	171,093
401	MORRIS REPEATER & MICROWAVE	128,242	(40,973)	87,268
402	NEWCASTLE REPEATER	216,330	(69,117)	147,213
403	OAHE	577,874	(184,631)	393,243
404	O'KREEK REPEATER	367,630	(117,458)	250,172
405	ORCHARD REPEATER	43,642	(13,943)	29,698
406	OTO MICROWAVE	16,445	(5,254)	11,191
407	OTTUMWA ROAD REPEATER SITE	7,685	(2,455)	5,229
408	PAGE N.D.	1,646	(526)	1,120
409	PAHOJA SUB	107,003	(34,187)	72,816
410	PEAK	83,844	(26,788)	57,056
411	PHILIP JCT. REPEATER	530,459	(169,482)	360,977
412	PINE RIDGE	186,735	(59,662)	127,073
413	PRIMGHAR REPEATER	27,264	(8,711)	18,553
414	PUKWANNA REPEATER	258,360	(82,546)	175,814
415	RAPID CITY REPEATER	340,932	(108,928)	232,004
416	RICHARDSON COULEE	161,748	(51,679)	110,070
417	RICHARDSON COULEE REPEATER	166,315	(53,138)	113,177
418	RICHLAND MW REPEATER (BEPS)	416,774	(133,159)	283,615
419	ROCKY RIDGE REPEATER	226,934	(72,505)	154,428
420	ROLLAG	172,922	(55,248)	117,673

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
		FY2016 EST FACILITY TOTALS	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS
Line No.	DESCRIPTION	(\$)		(\$)
421	RUGBY REPEATER	276,659	(88,392)	188,266
422	RUTLAND	388,869	(124,244)	264,626
423	SACO	1,237	(395)	842
424	SENTINEL BUTTE	87,667	(28,010)	59,657
425	SHEEP COULEE REPEATER	475,744	(152,000)	323,744
426	SIOUX CITY REPEATER	427,162	(136,478)	290,684
427	SIOUX FALLS REPEATER	330,718	(105,664)	225,054
428	SIOUX PASS	1,366	(436)	930
429	SNAKE BUTTE REPEATER	670,911	(214,356)	456,555
430	SPALDING REPEATER	359,680	(114,918)	244,762
431	SPIRIT MOUND	295,982	(94,566)	201,416
432	STRASBERG	1,853	(592)	1,261
433	SUMMIT REPEATER	50,053	(15,992)	34,061
434	TAPPEN COMMUNICATIONS SITE	291,767	(93,219)	198,547
435	TAPPEN REPEATER	272,393	(87,030)	185,364
436	TENNANT COMMUNICATIONS SITE	8,782	(2,806)	5,976
437	TORONTO REPEATER	106,096	(33,898)	72,198
438	TRIPP REPEATER	114,817	(36,684)	78,133
439	TURKEY RIDGE REPEATER	639,485	(204,316)	435,170
440	TYLER REPEATER	463,186	(147,988)	315,198
441	VICTOR (EREC)	35,530	(11,352)	24,178
442	VIDA	98,597	(31,502)	67,095
443	WALL REPEATER	479,343	(153,150)	326,193
444	WATERTOWN REPEATER	713,148	(227,851)	485,297
445	WAYSIDE	17,781	(5,681)	12,100
446	WESSINGTON SPGS. REPEATER	624,746	(199,606)	425,140
447	WESTFIELD	19,003	(6,071)	12,932
448	WHITE SWAN	116,529	(37,231)	79,298
449	WHITLOCK (BCPS)	165,594	(52,907)	112,687
450	WOLBACH REPEATER	28,280	(9,035)	19,244
451	YELLOWTAIL SWITCHYARD (BEPS)	223,367	(71,366)	152,001
452	COMMUNICATION FACILITIES	34,767,602	(11,108,249)	23,659,353
453	MILES CITY CONVERTER STATION - BEPS	19,890,752	-	19,890,752
454	MILES CITY CONVERTER STATION - BEFP	3,609,708	-	3,609,708
455	MILES CITY CONVERTER STATION	23,500,459	-	23,500,459

Western-UGP
2016 Estimate Facility Costs

	(1)	(2)	(3)	(4)
Line No.	DESCRIPTION	FY2016 EST FACILITY TOTALS (\$)	GENERATION ADJUSTMENTS	FY2016 EST SPP TOTALS (\$)
456	BUFORD TRENTON TAP - BUFORD TRENTON P.P.	650,001	-	-
457	BUFORD TRENTON PUMP SUB	184,827	-	-
458	FALLON PUMPING PLANT SUBS	223,594	-	-
459	FALLON RELIFT PUMPING PLA	171,257	-	-
460	FALLON-GLENDIVE PUMP #4	25,506	-	-
461	FORT PECK-WOLF POINT	190,500	-	-
462	FRAZER PUMP SUB	253,597	-	-
463	GARRISON-SNAKE CREEK	1,103,389	-	-
464	GLENDIVE P.P. #1 SUB.	425,706	-	-
465	INTAKE SUBSTATION	108,040	-	-
466	INTAKE-INTAKE PUMP	6,494	-	-
467	SAVAGE PUMPING PLANT SUBS	102,283	-	-
468	SHIRLEY PUMP SUBSTATION	127,053	-	-
469	SNAKE CREEK PUMP SUBSTATI	920,941	-	-
470	TERRY PUMPING PLANT SWITC	474,404	-	-
471	TIBER DAM SUBSTATION	318,568	-	-
472	WIOTA SUBSTATION	216,163	-	-
473	DISTRIBUTION FACILITIES	5,502,324	-	-
474	NEW UNDERWOOD-STEGALL	287,835	-	287,835
475	STEGALL SUBSTATION	9,030,765	-	302,609
476	STEGALL-WAYSIDE	2,978,205	-	2,978,205
477	YELLOWTAIL SWITCHYARD	12,876,308	-	3,219,077
478	ROCKY MOUNTAIN REGION FACILITIES	25,173,114	-	6,787,727
479	CORPS SWITCHYARD FACILITIES	135,969,058	(49,920,267)	77,728,064
480	CORPS OF ENGINEERS FACILITIES	135,969,058	(49,920,267)	77,728,064
481	TOTAL	1,432,761,927	(65,757,395)	1,301,131,134
482	SUBTOTAL WESTERN-UGP ONLY	1,271,619,755	15,837,128	1,216,615,343

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, 682 and assoc. switches	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	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						

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	
47	Carpenter	230-kV breakers 182, 382, 486 and assoc. switches	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						to NWMT
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						two customers (Oreg Generation and Basin Generation)
66	Crossover	230-kV breakers 582, 586, 786, 882 and assoc. switches		x					
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						
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						capacitors and maintenance building
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						
82	Denison	161-kV breakers 1362, 1566, 1662 and assoc. switches / switches 1461, 1465	x						
83		230-kV breakers 186, 282, 382, 386 and assoc. switches	x						
84		230/161-kV transformer KV1A	x						
85		reactor KW30A and assoc. switches	x						
86		230/69-kV transformers KV2A and KV3A	x						
87		69-kV breakers 2156, 2254, 2352, 2452, 2652, 2754, 2952, 5152 and assoc. switches	x						
88		capacitors PZ27A, PZ22A	x						
89		reactors KZ27A, KZ22A	x						
90		station service KW30B, KW20C and assoc. switches	x						
91	Devils Lake	115-kV breakers 162, 262, 462, 562, 662, 2062 and assoc. switches	x						
92		115-kV switches 361, 365	x						
93		50 percent of 115/41.8-kV transformer KY1A	x						
94		41.8-kV breaker 1042 and assoc. switches	x						
95		capacitors PX5A, PX5B and assoc. switches	x						

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	
96		station service KX3A and KW4A and assoc. switches	x						
97		transformers KX3B, KW4B and assoc. switches	x						warehouse and maintenance buildings
98	Eagle Butte	115-kV breakers 162, 362 and assoc. switches / switch 763	x						
99		Station Service KW1A	x						
100	Edgeley	115-kV breakers 462, 562, 662, 762 and assoc. switches	x						
101		115/69-kV transformer KY6A	x						
102		69-kV breaker 1352 and assoc. switches	x						
103		capacitor KW31A, breaker 3124 and assoc. switches	x						
104	Elk Creek	115-kV breakers 1262, 1462 and assoc switches	x						
105		station service KY22A, switches 2261, 2221	x						
106	Elliot	115-kV breakers 262, 462 and assoc switches	x						
107	Enderlin Tap	115-kV switches 176x, 186x, 196x	x		x				to Minnkota Power **
108	Exira	161-kV breakers 162, 166, 262, 362, 366, 462, 562, 662 and assoc. switches	x						
109		station service KHA	x						
110	Fairview West	115-kV breakers 162, 262, 462 and assoc. switches	x						
111		transformer KY20A for station service, switches 2011, 2061	x						
112	Faith	115-kV switches 16x, 26x, and 361	x						
113	Fargo	230-kV breakers 182, 282, 382, 582, 682, 782, 882, 9182 and assoc. switches	x						
114		115-kV breakers 1162, 1262, 1362, 1462, 1862, 1962, 2362, 2462, 2764, 2864, 2964 and assoc switches	x						
115		115-kV switch 5461	x						
116		capacitors PY14A, PY14B, PY14C	x						
117		230/115-kV transformers KV1A, KV2A	x						
118		115/69-kV transformers KY3A and KY3B			x				to Minnkota Power
119		69-kV breakers 3552, 3652 and assoc switches			x				to Minnkota Power
120		69-kV switches 315x, 335x, 345x			x				to Minnkota Power
121		station service KY4A, KSB, KSA, switches 5447, 552x	x						
122		13.2-kV breakers 4122, 4322, 4622, 4722, 4822 and assoc. switches	x						
123		reactors KW6A, KW7A, KW8A	x						
124		SVC and associated equipment	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)

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	
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, 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, 3262, 8162 and assoc. switches	x						
174		115-kV switches 246x, 296x	x						
175		capacitors PY25A, PY26A, breakers 2564, 2664 and assoc. switches	x						

Western-UGP Facilities Included per AI for January 1, 2016 Rates*			Attachment AI Criteria							Further Description
Line No.	Facility	Specific Plant Included	1	1(b)	2	3	4	5	6	
176	Great Falls	reactors KY25A, KY26A	x							
177		station service KW50A, KW51A and assoc switches	x							
178		115/69-kV transformer KY2A			x					to GRE
179		69-kV breaker 4352 and assoc. switches / switches 4253, 4255			x					to GRE
180		230-kV breakers 230/99, 230/100, 230/22, 230/23 and assoc. switches			x					in NWMT Great Falls Sub
181		230 kV switch 26B			x					in NWMT Great Falls Sub
182	Gregory	230/161-kV transformer KV1A	x							
183		161-kV breaker 162 and assoc switchers	x							
184		station service KW1A and switch 221	x							
185	Groton	115-kV breakers 162, 262, 762 and assoc. switches	x							
186		station service KW1A and switch 521	x							
187	115-kV breakers 262, 362, 462, 562, 862, 966 and assoc. switches / switches 16x	x								
188		115-kV switches 16x, 126x	x							
189		115/69-kV transformer KY1A		x						Two East River members served through KY1A (Lake Region, Northern)
190	Havre	station service KZ1A and KW2A	x							
191		161-kV breakers 162, 262, 362 and assoc. switches	x							
192		115-kV breaker 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							
		Capacitor PY2A, 115-kV breaker 264 and assoc. switches								
213		station service KY1A, switch 3163, KX3A and assoc. switches	x							
214	Lakota	115-kV breaker 162 and assoc switches	x							
215		115/69-kV transformer KY1A, switches 362, 363			x					to Minnkota Power **
216		69-kV breaker 152 and assoc switches			x					to Minnkota Power **
217		station service KW1A, switches 825, 921	x							
218	Leeds	115-kV breakers 262, 362, 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

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		
224		230/115-kV transformer KV3A	x							
225		115-kV breakers 1266, 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							
		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					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, 1362, 1462, 1562, 1762 and assoc switches	x							
253		station service KW1B and switches 512x	x							
254		115/41.8-kV transformer KY3A, switch 4331			x				to OTP Normally Closed **	
255		41.8-kV breakers 3132, 3232, 3332 and assoc switches			x				to OTP Normally Closed **	
256	Mount Vernon	115-kV breakers 162, 262 and assoc switches	x							
257		station service KZ1A and assoc switches	x							
258		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)	
259	Nelson Tap	115-kV switches 176x, 196x	x							
260	New Underwood	230-kV breakers 282, 382, 384, 484, 582, 682, 782, 882, 986, 9182, 9282 and assoc switches	x							
261		reactor KV3A, KV4A	x							
262		230/115-kV transformers KV2A, KV1A	x							
263		115-kV breakers 1262, 1362, 1462, 1562, 1662, 1866, 8162, 8262 and assoc switches	x							
264		13.8-kV breaker 4522, 4022, 4122, 4222 and assoc switches	x							
265		reactor KW45A, KW40A, KW41A, KW42A	x							
266		station service KW1A, KW1B and assoc switches	x							
267	Newell	115-kV switches 116x, 1262, 136x	x							
268		115/69-kV transformer KY1A		x					2 customers: Butte Electric and West River	
		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	

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	
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						One East River member and two irrigation districts served through KY2A and 1252 (Oahe, Grey Goose Irrigation and Crow Creek Irrigation)
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					
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	Shelby 2	Station Service KX2A, KW1A and assoc. switches and equipment 115-kV breakers 1062, 1362, 1462 and assoc. switches, switches 1263, 1265	x x						
292		230/115-kV transformer KV3A	x						
293		reactor KW3A, breaker 3124 and assoc switches	x						
294		station service KW2A and assoc. switches	x						
295		230-kV breakers 482, switches 481, 383, 281, 183	x						
296	Sioux City	230-kV breakers 182, 282, 382, 482, 582, 682, 9182 and assoc switches, switch 7283	x						
297		230/161-kV transformers KV1A and KV5A	x						
298		161-kV breakers 1062, 1162, 1262, 1362, 1562, 1662, 8162	x						
299		reactors KW53A, KW54A, breakers 5324, 5424 and assoc switches	x						
300		station service KW1B, KW1C, switches 502x, 512x, 522x	x						
301		69-kV breakers 2156, 2352, 2852, 2952, 3052, 3152 and assoc switches	x	x					to NIPCO (looped) and MEC
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						

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	
317	Stegall	69-kV breakers 1142, 1242, 1442, 1542 and assoc switches	x	x					to NIPCO and Wisdom Sub
		69-kV switches 1343, 1345	x						
318		KZ1A, switches 843, 845, 847, 849, 947	x						
319		station service KW1C and assoc switches	x						
320		230 kV main and transfer bus, break 382 and assoc switches	x						
321	Summit	Reactor KV3A, breaker 384 and assoc. switches	x						
322		115-kV breakers 262, 362, 462, 562, 762, 862 and assoc switches , switch 163	x						
323		115/41.8-kV transformer KY1B			x				to OTP Normally Closed
324		41.8-kV breakers 2142, 2242 and assoc switches			x				to OTP Normally Closed **
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		115-kV 162, 262, 362, 462, 562 and assoc switches	x						
336	Valley City	115/69-kV transformer KY1A		x					2 customers Minnkota Power and City of Valley City
337		69-kV breaker 344 and associated switches			x				to Minnkota Power **
338		station service KW2A and switch 321	x						
339		230-kV breakers 382, 386, 482, 486 and assoc switches	x						
340		230-kV switches 185 and 283	x						
341	Wall	115-kV switches 16x, 26x, 36x, 461	x						
342		station service KW1B, switch 821	x						
343		230-kV breakers 182, 286 and assoc switches	x						
344		230-kV switches 18x, 28x	x						
345		station service KX3A, KW9A and assoc switches	x						
346	Watertown	230-kV breakers 182, 282, 382, 482, 582, 682, 882, 984, 1182, 9182 and assoc switches	x						
347		reactor KV9A	x						
348		capacitor PV9A	x						
349		230/115-kV transformers KV2A, KV8A	x						
350		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
351		station service KY3A, KHA, KHB, K1, K2 and assoc switches	x						
352		reactor KW1A, breaker 3122 and assoc switches	x						
353		13.2-kV switches 372x, 362x, 82x	x						
354		115/69 kV transformer KY3A		x					Two East River members are served through KY3A (Codington-Clark and H-D)
355		69 kV breaker 2752 and assoc switches		x					Two East River members served through 2752 (Codington-Clark and H-D)
356	Watertown 2	345-kV breakers 7296, 7292, 7398 and assoc switches	x						
357		reactor KU3A	x						
358		All Facilities and Equipment	x						
359		230-kV breakers 682, 782, 882 and assoc switches	x						
360		230-kV switches 282, 283, 182, 183	x						
361	Watford City	station service KW1B, switches 121, 123	x						
362		reactor KY16A, switches 166x	x						
363		capacitor PY16A	x						
364		115-kV breakers 1262, 1362 and assoc switches	x						

Western-UGP Facilities Included per AI for January 1, 2016 Rates*										
Line No.	Facility	Specific Plant Included	Attachment AI Criteria							
			1	1(b)	2	3	4	5	6	Further Description
365		reactor KY17A, switches 176x	x							
366		capacitor PY17A	x							
367	Wessington Springs	230-kV breakers 586, 682, 786, 882 and assoc switches	x							
		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 - 2 customers (MWE and MDU)
377		57-kV breakers 3152, 3252, 3352, 3452, 3552 and assoc switches		x	x					to MDU; breaker 3552-2 customers (MWE and MDU)
378	Williston 2	230-kV breakers 182, 286, 382, 482, 486, 582, 686 and assoc switches	x							
379		230/115-kV transformers KV1A, KV2A	x							
380		115-kV breakers 2162, 2266, 2362, 2466, 2562, 2662, 2666 and assoc switches	x							
381		station service KW1B, KW2B and assoc switches	x							
382	Winner	115-kV breakers 162, 362, 462, 1062 and assoc switches / switches 661, 761	x							
383		reactor KY10A	x							
384		capacitor PY10A, PY11A, switches 1160, 1161	x							
385	Wolf Point	115-kV breakers 1362, 1562, 1662, 1762, 1862 and assoc switches/switches 1963, 1965	x							
386		station service KW1A	x							
387	Woonsocket	115-kV breakers 162, 262 and assoc switches/ switches 361 and 861	x							
388		station service KX1A, KW1B and assoc switches	x							
389										
390	Transmission Lines									
391	AURORA- BROOKINGS 115-KV T/L		x							
392	AURORA-FLANDREAU 115-KV T/L		x							
393	BAKER-HETTINGER		x							
394	BEULAH-GARRISON		x							
395	BISMARCK-GLENHAM		x							
396			x							
	BISMARCK-JAMESTOWN NO. 1									
397			x							
	BISMARCK-JAMESTOWN NO. 2									
398	BISMARCK-MEDORA		x							
399	BROOKINGS-SIOUX FALLS		x							
400	BROOKINGS-WATERTOWN NO. 1		x							
401	BROOKINGS-WATERTOWN NO. 2		x							
402			x							
	BROOKINGS-WHITE 115/230KV									
403	CANYON FERRY - CANYON FERRY TAP		x							
404	CARRINGTON-JAMESTOWN		x							

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	6	
405	CHARLIE CREEK - WATFORD CITY		x							
406	CHARLIE CREEK-BELFIELD		x							
407	CHARLIE CREEK - BEULAH		x							
408	CONRAD-SHELBY #2	230-kV	x							
409	CRESTON-MARYVILLE		x							
410			x							
	DAWSON COUNTY - MILES CITY									
411	DAWSON-GLENDIVE		x							
412	DAWSON-MEDORA		x							
413	DAWSON-O'FALLON CREEK		x							
414	DAWSON-WILLISTON		x							
415	DENISON-CRESTON		x							
416	DEVILS LAKE-CARRINGTON		x							
417	DEVILS LAKE-LAKOTA		x							
418	EDGELEY-FORMAN		x							
419	EDGELEY-GROTON		x							
420	ELK CREEK-NEWELL-MAURINE		x							
	115-kV T/L									
421	FARGO-GRAND FORKS		x							
422	FARGO-MORRIS		x							
423			x							
	FORMAN-SUMMIT (BISMARCK)									
424			x							
	FORMAN-SUMMIT (HURON)									
425	FORT PECK-DAWSON #1		x							
426	FORT PECK-DAWSON #2		x							
427	FORT PECK-HAVRE	161-kV	x							
428	FORT PECK-WHATELY	69-kV	x							
429	FORT PECK-WILLISTON		x							
430	FORT PECK-WOLF POINT #2		x							
431	FORT RANDALL-FORT THOMPSON 1&2		x							
432			x							
	FORT RANDALL-GAVIN'S POINT									
433	FORT RANDALL-GREGORY		x							
434			x							
	FORT RANDALL-MT VERNON									
435	FORT RANDALL-O'NEILL		x							
436	FORT RANDALL-SIOUX CITY 1&2		x							
437	FORT THOMPSON-GRAND ISLAND		x							
438	FORT THOMPSON-HURON 230-KV 1&2		x							
439	FORT THOMPSON-SIOUX FALLS 1&2		x							
440	GARRISON-BISMARCK 230KV 1&2		x							
441	GARRISON-JAMESTOWN		x							
442	GARRISON-MALLARD		x							
443	GARRISON-WM. J. NEAL		x							
444	GAVINS POINT-BELDEN		x							

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	6	
445	GAVINS POINT-SIOUX FALLS		x							
446	GRANITE FALLS- MORRIS		x							
447	GRANITE FALLS-MINNESOTA VALLEY		x							
448	GREAT FALLS-CONRAD	230-kV	x							
449	GREGORY-MISSION		x							
450	GROTON-HURON		x							
451	GROTON-SUMMIT		x							
452	HAVRE-VERONA	161-kV	x							
453	HAVRE-SHELBY#2	115-kV	x							
454	HESKETT-DEVAUL		x							
455	HETTINGER-NEW UNDERWOOD		x							
456	HURON-MT VERNON		x							
457	HURON-WATERTOWN 230KV 1&3		x							
458	JAMESTOWN-EDGELEY		x							
459	JAMESTOWN-FARGO NO. 1		x							
460	JAMESTOWN-FARGO NO. 2		x							
461	JAMESTOWN-GRAND FORKS		x							
462	JAMESTOWN-VALLEY CITY		x							
463	LEEDS-DEVILS LAKE		x							
464	LEEDS-ROLLA		x							
465	MALLARD-RUGBY		x							
466	MARTIN-MISSION		x							
467	MARTIN-PHILIP		x							
468	MAURINE-RAPID CITY		x							
469	MILES CITY-BAKER		x							
470	MILES CITY-CUSTER	230-kV	x							
471	NEW UNDERWOOD-PHILIP		x							
472	NEW UNDERWOOD-RAPID CITY NO. 1		x							
473	NEW UNDERWOOD-RAPID CITY NO. 2		x							
474	NEW UNDERWOOD-STEGALL (HURON)		x							
475	OAHE-FORT THOMPSON 230KV 1&2		x							
476	OAHE-FORT THOMPSON 230KV 3&4		x							
477	OAHE-GLENHAM		x							
478	OAHE-MAURINE		x							
479	OAHE-NEW UNDERWOOD		x							
480	OAHE-PIERRE		x							
481	O'FALLON CREEK-MILES CITY		x							
482	PIERRE-PHILIP		x							
483	RAPID CITY-DRY CREEK		x							
484	RAPID CITY-ELK CREEK 115-kV T/L		x							
485	RUGBY-LEEDS		x							
486	SIOUX CITY-DENISON		x							

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	6	
487	SIOUX CITY-SPENCER		x							
488	SIOUX FALLS- SIOUX CITY		x							
489	SIOUX FALLS-VIRGIL FODNESS 230KV T-LINE		x							
490	SUMMIT-WATERTOWN		x							
491	TIBER TAP-TIBER	115-kV	x	x						
492	UTICA JCT-SIOUX FALLS		x							
493	VALLEY CITY-FORMAN		x							
494	VERONA GREAT FALLS	161-kV	x							
495	VIRGIL FODNESS-UTICA JUNCTION-FT RANDALL/RASMUS		x							
496	WATERTOWN-GRANITE FALLS 1&2		x							
497	WATERTOWN-SIOUX CITY		x							
498	WATFORD CITY-BEULAH		x							
499	WILLISTON-WATFORD CITY		x							
500	WOLF POINT-CIRCLE		x							
501	WM. J. NEAL-RUGBY		x							
502	YELLOWTAIL-CUSTER	230-kV	x							
503	YELLOWTAIL-YELLOWTAIL (PACE)	230-kV, 120 MW Capacity Rights on RMR Line	x							
504										
505	Taps									
506	Charlie Creek	345-kV breakers 4096, 4192 and assoc switches	x							
507	Denbigh Tap	115kV breakers 1362, 1562 and assoc switches	x							
508	O'Neill	115-kV inerrupters and switches	x							
509	Penn Tap	115-kV switches 176x, 196x	x							
510	Pleasant Lake Tap	115-kV switches 56x, 66x	x							
511	Shirley Tap	115-kV switches 561, 560	x							
512	Terry Tap	115-kV switches 160, 161, 260, 261, 361	x							
513	Tiber Tap	115-kV switches 163, 260, 261, 360, 361	x	x						2 customers from Tiber (Bureau of Reclamation and Tiber LLC)
514	Vetal Tap	115-kV switches 16x, 26x, 36x	x							
515										
516	O&M Service & Maintenance Centers									
517	ARMOUR O&M SER. CEN.					x				
518	BISMARCK O&M SER. CEN.					x				
519	DAWSON SER. CEN.					x				
520	DEVILS LAKE O&M SER. CEN.					x				
521	FARGO LINE MAINTENANCE FACILITY					x				
522	FARGO O&M SER. CEN.					x				
523	FORT PECK SER. CEN.					x				
524	FORT THOMPSON O&M S. C.					x				
525	HAVRE SERVICE CENTER					x				
526	HURON O&M SER. CEN.					x				
527	JAMESTOWN O&M SER. CEN.					x				
528	MILES CITY MTCE FAC.					x				
529	MILES CITY MTCE FAC.					x				

Western-UGP Facilities Included per AI for January 1, 2016 Rates*										
			Attachment AI Criteria							
Line No.	Facility	Specific Plant Included	1	1(b)	2	3	4	5	6	Further Description
530	NEW UNDERWOOD SER. CEN.					X				
531	PHILIP O&M SER. CENT.					X				
532	PIERRE O&M SER. CEN.					X				
533	RAPID CITY GARAGE & STOR.					X				
534	SIOUX CITY O&M SER. CEN.					X				
535	SIOUX FALLS O&M SER. CEN.					X				
536	WATERTOWN MAINT. CEN.					X				
537										
538	Operation Centers									
539	WATERTOWN ALTERNATE OPERATIONS CENTER					X				
540	WATERTOWN OPERATIONS CENT					X				
541	WATERTOWN OPER CTR (BFPS)					X				
542										
543	Mobile Equipment									
544	MOB 115KV SWITCH TRAILER		X							
545	MOB 115KV SWITCH TRAILER		X							
546	MOB TRANSF 111KV 15MVA		X							
547	MOB TRANSF 115KV 10MVA		X							
548	MOB TRANSF 115KV 10MVA		X							
549	MOB TRANSF 115KV 25MVA		X							
550	MOB TRANSF 115KV 40MVA		X							
551	MOB TRANSF 230KV 1-33MVA		X							
552	MOBILE BY PASS KIT (BISMARCK)		X							
553	MOBILE BY PASS KIT (HURON)		X							
554	MOBILE CAPACITOR BANK		X							
555	MOBILE SUB 110KV		X							
556	MOBILE SUB 115KV 20MVA		X							
557	MOBILE SUB 41.8 KV		X							
558	MOBILE SUB 69KV		X							
559	MOB SH.REACTOR		X							
560										
561	Transmission-Related Generation Facilities									
562	FORT THOMPSON-BIG BEND NO. 1		X							
563	FORT THOMPSON-BIG BEND NO. 2		X							
564										
565	Communication Facilities									
566	ANITA	SCADA				X				
567	ASSINNIBOINE	meters for NWMT NITS from Havre				X				
568	BAKER	microwave, RTU				X				

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	6	
569	ATLANTIC COMMUNICATION SITE					x				
570	BAKER RELAY					x				
571	BANTRY					x				
572	BARRETT					x				
573	BATTLE MT. MICROWAVE					x				
574	BELLE PRAIRIE					x				
575	BENEDICT					x				
576	BEULAH					x				
577	BIG BEND					x				
578	BIJOU REPEATER					x				
579	BISMARCK REPEATER					x				
580	Bison	microwave alarm system				x				
581	BISON REPEATER					x				
582	BOLE NORTH REPEATER					x				
583	BRINSMADE					x				
584	BRISTOL					x				
585	BRUNSVILLE REPEATER					x				
586	BUFFALO					x				
587	CAHOON					x				
588	CARRINGTON REPEATER					x				
589	CHARTER OAK REPEATER					x				
590	CHINOOK (BEFP)					x				
591	CHINOOK REPEATER					x				
592	CLARK MW REPEATER					x				
593	CLEVELAND REPEATER, N.D.					x				
594	COLEMAN REPEATER					x				
595	COLOME REPEATER					x				
596	CONRAD BUTTE REPEATER					x				
597	COTTON	meters for Central MT (Basin NITS)				x				
598	CRESTON REPEATER					x				
599	CROW LAKE REPEATER					x				
600	CROWN BUTTE					x				
601	CULBERTSON RADIO RELAY SITE					x				
602	CUSTER LOOKOUT					x				
603	DALTON (WES)					x				
604	DEVILS LAKE FIBER REGEN					x				
605	DEVILS LAKE REPEATER					x				
606	DICKINSON	communications equipment				x				
607	DODSON REPEATER					x				
608	DOGDEN BUTTE					x				
609	DRISCOLL					x				
610	DUPREE REPEATER					x				
611	DUTTON REPEATER (BEFP)					x				
612	EAGLE	microwave, RTU, SCADA				x				
613	EAST RAINY BUTTE					x				
614	ECKELSON					x				
615	E. J. MANNING	fiber, microwave, SCADA				x				
616	ELKTON					x				
617	ELLENDAL REPEATER					x				
618	ELLSWORTH AIR BASE					x				
619	ERHARD					x				
620	EXIRA REPEATER					x				

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

Western-UGP Facilities Included per AI for January 1, 2016 Rates*

			Attachment AI Criteria							
Line No.	Facility	Specific Plant Included	1	1(b)	2	3	4	5	6	Further Description
667	LINDSAY RIDGE					x				
668	LINTON COMMUNICATIONS SITE					x				
669	LITTLE MISSOURI SUBSTATION					x				
670	LODGEPOLE REPEATER					x				
671	MALLARD	RTU, SCADA				x				
672	MALTA	microwave, RTU				x				
673	MALTA REPEATER					x				
674	Mandan	multiplexer				x				
675	MANDAN MICROWAVE SITE					x				
676	MAPLE RIVER					x				
677	MARTIN REPEATER					x				
678	MAYVILLE					x				
679	MIDLAND REPEATER					x				
680	MILES CITY SUB (BEFP)					x				
681	MOE REPEATER					x				
682	MOORHEAD					x				
683	MORRIS REPEATER & MICROWAVE					x				
684	NEWCASTLE REPEATER					x				
685	OAHE					x				
686	O'KREEK REPEATER					x				
687	ORCHARD REPEATER					x				
688	OTO MICROWAVE					x				
689	OTTUMWA ROAD REPEATER SITE					x				
690	PAGE N.D.					x				
691	PAHOJA SUB					x				
692	PEAK					x				
693	PHILIP JCT. REPEATER					x				
694	PINE RIDGE					x				
695	POPLAR (MDU)	antenna, meters for MDU				x				
696	PRIMGHAR REPEATER					x				
697	PUKWANNA REPEATER					x				
698	RAPID CITY REPEATER					x				
699	RICHARDSON COULEE					x				
700	RICHARDSON COULEE REPEATER					x				
701	RICHLAND MW REPEATER (BEPS)					x				
702	ROCKY RIDGE REPEATER					x				
703	ROLLAG					x				
704	RUGBY REPEATER					x				
705	RUTLAND					x				
706	SACO					x				
707	Savage	land, steel structure, meter equipment				x				
708	SENTINEL BUTTE					x				
709	SHEEP COULEE REPEATER					x				
710	SIOUX CITY REPEATER					x				
711	SIOUX FALLS REPEATER					x				
712	SIOUX PASS					x				
713	SNAKE BUTTE REPEATER					x				
714	SPALDING REPEATER					x				

Western-UGP Facilities Included per AI for January 1, 2016 Rates*			Attachment AI Criteria							Further Description
Line No.	Facility	Specific Plant Included	1	1(b)	2	3	4	5	6	
715	SPIRIT MOUND					X				
716	STANLEY	meters to MDU				X				
717	STRASBERG					X				
718	Sully Buttes	fiber termination equipment				X				
719	SUMMIT REPEATER					X				
720	TAPPEN COMMUNICATIONS SITE					X				
721	TAPPEN REPEATER					X				
722	TENNANT COMMUNICATIONS SITE					X				
723	TORONTO REPEATER					X				
724	TRIPP REPEATER					X				
725	TURKEY RIDGE REPEATER					X				
726	TYLER REPEATER					X				
727	Verona	comm, multiplex, battery				X				
728	VICTOR (EREC)					X				
729	VIDA					X				
730	V. T. HANLON	SCADA				X				
731	WALL REPEATER					X				
732	WATERTOWN REPEATER					X				
733	WAYSIDE					X				
734	WESSINGTON SPGS. REPEATER					X				
735	WESTFIELD					X				
736	Whately (Northern)	Instrument Transformer				X				
737	WHITE SWAN					X				
738	WHITLOCK (BCPS)					X				
739	WM. J. NEAL	multiplexer				X				
740	WOLBACH REPEATER					X				
741	YANKTON JCT.	multiplexer, channel bank, SCADA				X				
742	YELLOWTAIL SWITCHYARD (BEPS)					X				
743										
744	Miles City Converter Station									
745	MILES CITY CONVERTER STATION - BEPS		X							
746	MILES CITY CONVERTER STATION - BEFP		X							
747										
748	Rocky Mountain Region Facilities									
749	NEW UNDERWOOD-STEGALL		X							
750	STEGALL SUBSTATION		X							
751	STEGALL-WAYSIDE		X							
752	YELLOWTAIL SWITCHYARD	230-kV breakers 182, 282, 9182 and assoc switches	X							
753										
754	Corps Switchyard Facilities									
755	Big Bend	230-kV 1083, 1090, 7089, 4083, 4090	X							
756	Fort Peck	69-kV breaker 1142 and assoc. switches	X							
757		161-kV breaker 762, 772, 776 and assoc switches	X							
758		115-kV breakers 1572, 1576, 1672, 1676 and assoc switches	X							
759		230-kV breaker 1382 and associated switches	X							

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	6	
760		230/115-kV transformer	x							
761		115/69-kV transformer KV7A	x							
762	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							
763		115-kV breakers 1562, 1662, 1666, 1762, 1862, 1866, 1962 and assoc switches	x							
764		230/115-kV transformer	x							
765	Garrison	115-kV breakers 962, 1162, 1166, 1362, 1366, 1462 and assoc switches	x							
766		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							
767		230/115-kV transformer	x							
768	Gavins Point	115-kV breakers 462, 562, 662, 762, 862 and assoc switches	x							
769	Oahe	230-kV breakers 2182, 2382, 2582, 2682, 2782, 2982, 3082 and assoc switches	x							
770		115-kV breakers 1062, 1262, 1362, 1386, 1462 and assoc switches	x							
771		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 SPP OATT Attachment AI Transmission Facility Eligibility Criteria, and SPP Staff Clarifications ** Facilities included under Criteria 2 noted above are included subject to review of qualifying criteria in pending settlement discussions under various FERC dockets for ATRR filings by Transmission Owners in the UMZ. Western-UGP committed in its Answer under Docket EF15-8 to incorporate any updated qualifying facility information as part of its annual rate update process by either adding or removing facilities as appropriate.										

Western-UGP Facilities Excluded under AI January 1, 2016 Rates*

Line No.	Column1	Facility	Specific Plant NOT Included
		Substations	
1	APD	Appeldorn	230-kV breaker 586 and assoc switches and switch 487
2	AR	Armour	34.5-kV breaker 542 and assoc. switches
3			115/34.5-kV transformer KY2A
4			115-kV interrupter 462 and assoc. switches
5	AUR	Aurora	115-kV breaker 162, 362 and assoc. switches
6	BEF	Belfield	230-kV breaker 1482 and assoc switches
7	BE	Beresford	69-kV breaker 1552 and assoc. switches
8			12.47-kV switch 821, 823, 829
9	BG	Big Bend	230-kV interrupters 1081, 2081, 2081, 4081 and assoc switches
10	BB	Bisbee	69/12.5-kV transformer KZ1A and switch 145
11			12.5-kV breaker 124 and assoc. switches
12	BS	Bismarck	115-kV breaker 3462 and assoc. switches
13			12.5-kV switches 1527, 1529
14	BOL	Bole	69-kV breaker 1452 and 1252 and assoc. switches
15	BO	Bonesteel	115-kV breaker 362 and assoc. switches
16			115/12.47-kV transformer KY1A
17			12.47-kV breaker 1422 and assoc. switches
18	BFT	Buford Trenton Tap	All Not Included
19	BP	Buford Trenton Pumping	All Not Included
20	CD	Cando Tap	Switch 1755
21	CA	Carrington	115-kV interrupter 162
22			41.8-kV breakers 142, 242, 342, 442, 542, 642, 842 and assoc. switches
23	CR	Circle	115-kV breaker 1162 and assoc. switches
24			115-kV breaker 1262, 1362 and assoc. switches
25			115/34.5-kV transformer KY12A
26			34.5-kV breaker 142 and assoc. switches
27	CON	Conrad	115-kV breaker 1062 and assoc. switches
28	CU	Custer	69-kV breakers 2252, 2352 and assoc. switches
29	CT	Custer Trail	All Not Included
30	DC	Dawson County	115-kV switch 1061
31	DNT	Denbigh Tap	Switches 1460, 1461
32	DN	Denison	69-kV breaker 2552 and assoc. switches
33	DV	Devaul	All Not Included
34	DL	Devils Lake	41.8-kV breaker 1442 and assoc. switches
35			12.5-kV breaker 1122 and assoc. switches
36	EB	Eagle Butte	115/69-kV transformer KY1A and 115-kV interrupter 762
37			69-kV breaker 1752 and assoc. switches
38	ED	Edgeley	115/41.8-kV transformer KY2A
39			115-kV breaker 362
40			41.8-kV breaker 2342 and assoc. switches
41			69-kV breaker 1252 and assoc. switches
42	ELC	Elk Creek	115-kV breaker 1162 and assoc switches

Western-UGP Facilities Excluded under AI January 1, 2016 Rates*			
Line No.	Column1	Facility	Specific Plant NOT Included
43	ELI	Elliot	115-kV breaker 362 and assoc. switches, 115-kV interrupter 2063 and assoc. switches
44	EXI	Exira	Switches 169, 369, 569
45	FVW	Fairview West	115-kV breaker 362 and assoc. switches
46	FH	Faith	115/12.47-kV tranformer KY1A and 115-kV interrupter 362
47			12.47-kV breaker 1022 and assoc. switches
48	FN	Fallon Pumping	All Not Included
49	FE	Fallon Relift	All Not Included
50	FA	Fargo	115-kV breaker 1662 and assoc. switches
51	FL	Flandreau	12.47-kV switches 3121, 3122, 3123, 3129, 3223
52	FO	Forman	69-kV breaker 452 and assoc. switches
53			69/41.8-kV transformer KZ3A and 69-kV switches 353, 355
			115-kV breaker 1662 and assoc. switches
54			41.8-kV breaker 2142 and assoc. switches
55			41.8/12.5-kV transformer KX6A and switch 1443
56			12.5-kV breaker 2222 and assoc. switches
57	FR	Fort Randall	115-kV breaker 962 and assoc. switches
58	FT	Fort Thompson	69-kV breaker 4452 and assoc. switches
59	FG	Frazer Pumping	All Not Included
60	GA	Garrison	115-kV breakers 462, 562 and assoc switches
61	GP	Gavins Point	115-kV breakers 162, 262, 362 and assoc. switches
62	GGT	Glendive Pumping No. 1 Tap	All Not Included
63	GG	Glendive Pumping No. 1	All Not Included
64	GF	Granite Falls	69-kV breakers 4452, 4552, 4652 and assoc. switches
65	GY	Gregory	115-kV Disconnect Switch 463
66			12.47-kV breaker 422 and asswoc. Switches
67	GR	Groton	69-kV breakers 1152, 1352, 1552 and assoc. switches
68			115/69-kV transformer KY2A and 115-kV interrupter 1062
69	HV	Havre	12.5-kV breaker 822 and assoc. switches, 115-kV breakers 1362, 1462 and assoc. switches
70	HLK	Hilken	take-off structure to Baldwin Wind
71	HU	Huron	115-kV switches 1261, 1265
72			115/69-kV transformer KY1A
73			69-kV breakers 1952, 2052 and assoc. switches
74	IN	Intake	All Not Included
75	INP	Intake Pumping	All Not Included
76	JT	Jamestown	115/41.8-kV transformers KY1A and KY2A
77			115-kV breaker 662 and assoc. switches
78			41.8-kV breaker 1142 and assoc. switches
79			12.47-kV breaker 1522, 1722 and assoc. switches
80	KD	Killdeer	115/41.8-kV transformer KY4A and switch 469
81			41.8-kV breaker 442, 642 and switches 343, 345
82	LA	Lakota	12.5-kV breaker 1022 and assoc. switches
83	LE	Leeds	69/12.5-kV transformer KZ3A and switch 645
84			12.5-kV breaker 624 and assoc. switches
85	LET	Letcher	115-kV breaker 1362 and assoc. switches

Western-UGP Facilities Excluded under AI January 1, 2016 Rates*			
Line No.	Column1	Facility	Specific Plant NOT Included
86	MR	Martin	115/34.5-kV tranformer KY1A and interrupter 962
87			34.5-kV breaker 1242 and assoc. switches
88	MA	Maurine	115/69-kV transformer KY1A and switches 1263, 1265
89			69-kV breaker 2252 and assoc. switches
90	MD	Midland	Capacity Rights in 115/69 kV Transformer KY1A
91	MS	Mission	115/24.9-kV transformer KY1A and interrupter 362
92	MV	Mount Vernon	69-kV breaker 1852 and assoc. switches
93	NAT	Nashua Tap	All Not Included
94	NEL	Nelson Tap	Switch 1861
95	NL	Newell	69-kV breakers 2252, 2452 and assoc. switches
96	NU	New Underwood	13.8 kV interrupter 4423 and assoc. switch
97	OA	Oahe	230-kV breakers 2882, 2482, 2486, 2082, 1162 and assoc. switches
98			115-kV breaker 1162 and assoc. switches
99	OF	O'Fallon Creek	12.47-kV breaker 522 and assoc. switches and equipment
100	PET	Penn Tap	Switches 1860, 1861
101	PL	Philip	115/69-kV transformer KY1A and switches 1963
102			69-kV breaker 2152 and assoc. switches
103	PI	Pierre	115/12.47-kV transformer KY1A and 115-kV interrupter 762
104			12.47-kV breakers 2212, 2312, 2412 and assoc. switches
105	PLL	Pleasant Lake Tap	Switched 760, 761
106	RC	Rapid City	115/12.47-kV transformer KY1A
107	RH	Richland	All Not Included
108	RY	Rudyard	115/69/12.5-kV transformer KY1A and interrupter 362
109			69-kV breaker 752 and assoc. switches
110			12.5-kV breaker 422 and assoc. switches
111	RG	Rugby	115/41.8-kV transformer KY1A and switches 1163, 1165
112			41.8-kV breaker 2142 and assoc. switches
113	SV	Savage Pumping	All Not Included
114	SH2	Shelby	All Not Included
115	SH2	Shelby 2	115-kV breaker 1162 and assoc. switches
116	SY	Shirley Pumping	All Not Included
117	SF	Sioux Falls	115-kV breaker 862 and assoc. switches
118			69-kV breaker 1552 and assoc. switches
119	SP	Spencer	69-kV breaker 1642 and assoc. switches
120	TE	Terry Pumping	All Not Included
121	TR	Terry Tap	115/34.5-kV transformer KY1A and switch 363
122			34.5-kV breaker 342 and assoc. switches
123	TI	Tiber	115/12.5-kV transformer KY1A and breaker 1262
124			12.5-kV breaker 122 and assoc. switches
125	TY	Tyndall	69-kV breaker 452 and assoc. switches
126			115-kV interrupter 362
127	VC	Valley City	69-kV breaker 1144 and assoc. switches
128	WL	Wall	115/12.47-kV transformer KY1B and interrupter 562
129			12.47-kV breaker 622 and assoc. switches

Western-UGP Facilities Excluded under AI January 1, 2016 Rates*			
Line No.	Column1	Facility	Specific Plant NOT Included
130	WDD	Ward	230-kV breaker 262 and assoc switches and Switch 889
131	WB	Washburn	230/41.8-kV transformer KU1A and breaker 282
132			41.8-kV breaker 342 and assoc. switches
133	WC	Watford City	115-kV interrupter 162
134	WSG	Wessington Springs	230-kV switch 989
135	WH	Whately	69/12.5-kV transformer KYA and switches 253, 257
136			12.5-kV breaker 224 and assoc. switches
137	WV	Wicksville	115-kV interrupter 362
138			24.9-kV breaker 1032 and assoc. switches
139	WN2	Williston 2	115-kV breaker 2562 and assoc. switches
140	WI	Winner	12.47-kV breakers 2222, 2422, 2523 and assoc. switches
141	VAT	Wiota	All Not Included
142	VAT	Wiota Tap	All Not Included
143	WP	Wolf Point	115/34.5-kV transformer KY1A and switches 1963, 1965
144			34.5-kV breakers 2142, 2242, 2342, 2442 and assoc. switches
145			12.5-kV breakers 3222, 3322, 3422 and assoc. switches
146	WO	Woonsocket	34.5-kV breakers 442 and 542 and assoc. switches
147			115/69-kV transformer KY1B and 115-kV breaker 862
148			Mobile Transformer 115/34.5-kV
149			115-kV interupters 362 and 862 and assoc. switches, switch M263, M261
150		Transmission Lines	
151		SHELBY-SHELBY2	115-kV

* Based upon SPP OATT Attachment AI Transmission Facility Eligibility Criteria, and SPP Staff Clarifications

Western-UGP 2016 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	1,271,619,755	1/	731,311,606	2/	1,076,325,959	3/	491,725,677	12/	3,570,982,997
3	PS-ED Transmission Plant-in-Service	1,216,615,343	4/	6,787,727	5/	77,728,064	6/	0		1,301,131,134
4	PS-ED Generation Plant-in-Service	15,837,128	7/	0		998,597,895	L2-L3	491,725,677	L2-L3	1,506,160,700
5	PS-ED SSCD Plant-in-Service	12,032,491	8/							
6	Generation Plant to Total Plant	0.01245	L4/L2	0.00000	L4/L2	0.92778	L4/L2	1.00000	L4/L2	
7	Transmission Plant to Total Plant	0.95674	L3/L2	0.00928	L3/L2	0.07222	L3/L2	0.00000	L3/L2	
8	SSCD Plant to Total Plant	0.00946	L5/L2							
9	PS Accumulated Depreciation	596,018,442	9/	348,904,432	10/	576,882,671	11/	284,079,389	13/	1,805,884,933
10	PS-ED Trans. Accumulated Depreciation	570,237,430	L7*L9	3,238,384	L7*L9	41,660,217	L7*L9	0	L7*L9	615,136,031
11	PS-ED Gen. Accumulated Depreciation	7,422,990	L6*L9	0	L6*L9	535,222,453	L9-L10	284,079,389	L6*L9	826,724,832
12	PS-ED SSCD Accumulated Depreciation	5,639,726								5,639,726
13	PS-ED Net Transmission Plant	646,377,913	L3-L10	3,549,343	L3-L9	36,067,847	L3-L10	0	L3-L10	685,995,103
14	PS-ED Net Generation Plant	8,414,138	L4-L11	0	L4-L10	463,375,442	L4-L11	207,646,288	L4-L11	679,435,868
15	PS-ED Net SSCD Plant	6,392,765	L5-L12							6,392,765
15	1/ Transmission Plant-in-Service Worksheet, C2L753									
16	2/ FY 2014 RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 1									
17	3/ FY 2014 Corps of Engineers Financial Statements, Electric and Power Multi-Purpose Plant in Service									
18	4/ Transmission Plant-in-Service Worksheet, C4L482									
19	5/ Transmission Plant-in-Service Worksheet, C4L478									
20	6/ Transmission Plant-in-Service Worksheet, C4L480									
21	7/ Transmission Plant-in-Service Worksheet, C3L482									
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 Estimate									
Line No.	(1)	WESTERN-UGP (2)		WESTERN-RMR (3)		COE (4)		BOR (5)	TOTAL (6)
1	Depreciation Worksheet								
2	PS Depreciation Expense	29,969,158	1/	17,512,942	2/	12,464,666	3/	3,681,279	4/ 63,628,044
3	PS-ED Transmission Depreciation 5/	28,672,831		162,548		900,150		0	29,735,528
4	PS-ED Generation Depreciation 6/	373,245		0		11,564,516		3,681,279	15,619,039
5	PS-ED SSCD Depreciation 7/	283,578							283,578
5	1/ UGPCSR - Pick-Sloan Missouri River Basin and UGPCSR - Ft. Peck Power System Results of Operations, Schedule 4								
6	2/ RMCSR - Pick-Sloan Missouri River Basin Results of Operations, Schedule 4								
7	3/ 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 2016 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 2014 Balances	849,651,714	1/	472,276,837	1/	591,723,841	1/	166,749,706	1/	2,080,402,099	
4	Interest Expenses:										
5	FY 2014 Interest	42,367,707	13/	29,185,245	13/	19,448,443	2/	7,655,154	2/	98,656,549	
6	Average Interest Rate	4.986%	L6/L3	6.180%	L6/L3	3.287%	L6/L3	4.591%	L6/L3		
7	Transmission Plant Factor	0.9350	3/	0.0052	4/	0.0597	5/	0.0000	6/		
8	Weighted Trans. Composite Rate									4.891%	7/
9	Generation Plant Factor	0.0105	8/	0.0000	9/	0.6630	10/	0.3265	11/		
10	Weighted Gen. Composite Rate									3.730%	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 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 UGPR 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	21,354,718	9,568,083	0	0	30,922,801
16	PS-ED Transmission A&G 4/	20,431,011	88,807	0	0	20,519,818
17	PS-ED Generation A&G 5/	265,958	0	0	0	265,958
18	PS-ED SSCD A&G 6/	202,065	0	0	0	202,065
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 Estimate						
Line No.	(1)	WESTERN-UGP (2)	WESTERN-RMR (3)	COE (4)	BOR (5)	TOTAL (6)
1	O&M Expenses Worksheet					
2	Total Electric Operating Expense	79,074,104	41,561,329			120,635,432
3	Less:					
4	Other Power Supply Expenses					0
5	A&G Expenses	21,354,718	9,568,083			30,922,801
6	Prior Year Adjustments					0
7	Plus:					
8	Moveable Property Interest	745,225	302,980			1,048,205
9	Warehouse Stores Interest	112,918	66,035			178,953
10	Scheduling, System Control & Dispatch	0				0
11	COE/BOR Total			60,797,463	37,470,002	98,267,466
12	PS Total O&M	58,577,528	32,362,260	60,797,463	37,470,002	189,207,254
13	PS-ED Transmission O&M 5/	56,043,735	300,373	4,390,556	0	60,734,663
14	PS-ED Generation O&M 6/	729,542	0	56,406,908	37,470,002	94,606,452
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 Estimate			
Rate for Regulation and Frequency Response			
	DESCRIPTION	REGULATION and FREQUENCY RESPONSE	REFERENCE
Line No.			
1	Western Regulation Revenue Requirement	\$302,183	1/
2	Under Collection - 2014 Regulation Revenue Rqmt	(\$200,006)	2/
3	Average WAUW Control Area Load in 2014	112,080	
4	Average Total Control Area(s) Load in 2014 True-up	3,674,000	3/
5	Ratio WAUW Control Area to Total Control Area(s)	0.0305	L3 / L4
6	Under Collection - 2014 WAUW Regulation Revenue Rqmt	(6,101)	L2 * L5
7	Total Regulation Revenue Rqmt with True-up	308,284	L1 + L6
1/	Regulation and Frequency Response Service from "Regulation and Frequency Response for 2016, Western's Costs".		
2/	Over/Under Collection "True-up of Regulation and Frequency Response Rate for 2014"		
3/	Average of monthly peaks for 2014 Control Area(s).		
	Regulation and Frequency Response (Western's Costs)		
1	Fixed Charge Rate	18.399%	4/
2	Corps Generation Net Plant Costs (\$)	\$ 463,375,442	5/
3	Annual Corps Generation Cost (\$)	\$ 85,256,447	L1*L2
4	Plant Capacity (kW)	2,500,000	
5	Cost/kW (\$/kW)	34.10	L3/L4
6	Capacity Used for Regulation (kW)	8,861	
7	Regulation Revenue Requirement (\$) - Capacity	\$302,183	
8	Regulation Revenue Requirement (\$) - Purchases	\$0	6/
9	Total Regulation Revenue Requirement (\$)	\$302,183	
4/	Determination of Pick-Sloan Missouri Basin Program, Eastern Division Annual Corps Revenue Requirement for 2016 Rate.		
5/	Corps Generation Net Plant is Total Electric Plant in Service less less Depreciation Reserve as of 9/30/14.		
6/	Cost of Purchases Required to Regulate for Intermittent Resources.		

Western-UGP 2016 Estimate

Rate for Reserves

Line No.	DESCRIPTION	RESERVES	REFERENCE
1	Fixed Charge Rate	18.40%	1/
2	Corps Generation Net Plant Costs (\$)	\$ 463,375,442	2/
3	Annual Corps Generation Cost (\$)	\$ 85,256,447	L1*L2
4	Plant Capacity (kW)	2,500,000	
5	Cost/kW (\$/kW-Yr)	34.10	L3/L4
6	Prior Year True-Up	0	
7	Monthly Charge (\$/kW-mo)	2.84	
8	Western's Maximum Load in WAUW Control Area (kW)	134,000	3/
9	Maximum Generation in WAUW Control Area (kW)	97,500	
10	Capacity used for Reserves (kW) -- 3% Load + 3% Gen	6,945	L8*3% + L9*3% 4/
11	Annual Reserves Revenue Requirement	\$ 236,842	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 2014.		
4/	Northwest Power Pool Reserve Sharing System.		