

**Montana-Dakota Utilities Co.**  
**Electric Utility**  
**Transmission Cost Recovery Rider**  
**Summary of Revenue and Expenses Allocated to South Dakota**  
**Projected 2019**

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Facility Sharing Agreement	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,337	\$244,000
MISO													
Revenue/Credits													
Schedule 1	13,314	13,314	13,314	13,314	13,314	13,314	13,314	13,314	13,314	13,314	13,314	13,313	159,767
Schedule 2	28,134	28,134	28,134	28,134	28,134	28,134	28,134	28,134	28,134	28,134	28,134	28,133	337,607
Schedule 7	113,130	113,130	113,130	113,130	113,130	113,130	113,130	113,130	113,130	113,130	113,130	113,127	1,357,557
Schedule 8	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,742	32,915
Schedule 9	332,394	332,394	332,394	332,394	332,394	332,394	332,394	332,394	332,394	332,394	332,394	332,395	3,988,729
NITS Cust Rev Req	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,876)	(61,871)	(742,507)
Schedule 24	63,810	63,810	63,810	63,810	63,810	63,810	63,810	63,810	63,810	63,810	63,810	63,808	765,718
Schedule 26	96,024	96,024	96,024	96,024	96,024	96,024	96,024	96,024	96,024	96,024	96,024	96,027	1,152,291
	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,674	7,052,077
Charges													
Schedule 10													
Energy	46,970	46,970	46,970	46,970	46,970	46,970	46,970	46,970	46,970	46,970	46,970	46,974	563,644
Demand	3,476	3,476	3,476	3,476	3,476	3,476	3,476	3,476	3,476	3,476	3,476	3,472	41,708
FERC	14,287	14,287	14,287	14,287	14,287	14,287	14,287	14,287	14,287	14,287	14,287	14,288	171,445
	64,733	64,733	64,733	64,733	64,733	64,733	64,733	64,733	64,733	64,733	64,733	64,734	776,797
Schedule 26	214,898	214,898	214,898	214,898	214,898	214,898	214,898	214,898	214,898	214,898	214,898	214,902	2,578,780
Schedule 26A	567,053	532,310	499,455	452,051	439,013	444,770	525,471	492,349	465,198	450,643	512,387	578,565	5,959,265
	846,684	811,941	779,086	731,682	718,644	724,401	805,102	771,980	744,829	730,274	792,018	858,201	9,314,842

**Montana-Dakota Utilities Co.**  
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**Projected 2019**

	January	February	March	April	May	June	July	August	September	October	November	December	Total
SPP													
Revenue/Credits													
Facility Credits	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,991	10,319,958
Charges													
Schedule 1	53,089	53,089	53,089	53,089	53,089	53,089	53,089	53,089	53,089	53,089	53,089	53,090	637,069
Schedule 1a	92,938	92,938	92,938	92,938	92,938	92,938	92,938	92,938	92,938	92,938	92,938	92,935	1,115,253
Schedule 9	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,338	1,437,333	17,248,051
Schedule 11	153,080	153,080	153,080	153,080	153,080	153,080	153,080	153,080	153,080	153,080	153,080	153,075	1,836,955
Schedule 12	13,668	13,668	13,668	13,668	13,668	13,668	13,668	13,668	13,668	13,668	13,668	13,673	164,021
	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,106	21,001,349
Total Company Revenue/Credits													
Facility Sharing	20,333	20,333	20,333	20,333	20,333	20,333	20,333	20,333	20,333	20,333	20,333	20,337	244,000
MISO	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,673	587,674	7,052,077
SPP	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,997	859,991	10,319,958
	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,003	1,468,002	17,616,035
Allocated to SD 1/	77,691	77,691	77,691	77,691	77,691	77,691	77,691	77,691	77,691	77,691	77,691	77,691	932,292
Transmission in Base 2/	12,066	11,968	10,351	8,971	10,763	6,930	9,023	7,997	7,288	7,649	15,144	16,547	124,697
	65,625	65,723	67,340	68,720	66,928	70,761	68,668	69,694	70,403	70,042	62,547	61,144	807,595
Total Company Charges													
MISO	846,684	811,941	779,086	731,682	718,644	724,401	805,102	771,980	744,829	730,274	792,018	858,201	9,314,842
SPP	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,113	1,750,106	21,001,349
	2,596,797	2,562,054	2,529,199	2,481,795	2,468,757	2,474,514	2,555,215	2,522,093	2,494,942	2,480,387	2,542,131	2,608,307	30,316,191
Allocated to SD 1/	137,430	135,591	133,853	131,344	130,654	130,958	135,229	133,477	132,040	131,269	134,537	138,039	1,604,421
SD PUC Assessment	130	130	130	130	130	130	130	130	130	130	130	130	1,560
Net SD Expense	\$71,935	\$69,998	\$66,643	\$62,754	\$63,856	\$60,327	\$66,691	\$63,913	\$61,767	\$61,357	\$72,120	\$77,025	\$798,386

1/ Allocated to SD on Factor 15 Integrated System 12 Month Peak Demand:

5.292291%

2/ Transmission revenue included in base rates. Docket EL15-024, Statement Workpapers, Statement I, Page I-8.

**Montana-Dakota Utilities Co.  
Electric Utility  
MISO Revenue Schedules 1, 2, 7, 8, and 24  
Projected 2019**

	<u>Schedule 1 1/</u>	<u>Schedule 2 2/</u>	<u>Schedule 7 2/</u>	<u>Schedule 8 2/</u>	<u>Schedule 24 2/</u>
January	\$13,314	\$28,134	\$113,130	\$2,743	\$63,810
February	13,314	28,134	113,130	2,743	63,810
March	13,314	28,134	113,130	2,743	63,810
April	13,314	28,134	113,130	2,743	63,810
May	13,314	28,134	113,130	2,743	63,810
June	13,314	28,134	113,130	2,743	63,810
July	13,314	28,134	113,130	2,743	63,810
August	13,314	28,134	113,130	2,743	63,810
September	13,314	28,134	113,130	2,743	63,810
October	13,314	28,134	113,130	2,743	63,810
November	13,314	28,134	113,130	2,743	63,810
December	13,313	28,133	113,127	2,742	63,808
	<u>159,767</u>	<u>337,607</u>	<u>1,357,557</u>	<u>32,915</u>	<u>765,718</u>

1/ Three year average.

2/ Twelve months ended December 31, 2018.

**Montana-Dakota Utilities Co.  
Electric Utility  
MISO Schedule 9 Revenue, BEPC Payments & Credits and  
Facility Sharing Agreement Revenue  
Projected 2019**

	MISO Sch 9 Revenue 1/	Payments to Basin 2/	Basin Facility Sharing Agreements 3/
January	\$332,394	(\$61,876)	\$20,333
February	332,394	(61,876)	20,333
March	332,394	(61,876)	20,333
April	332,394	(61,876)	20,333
May	332,394	(61,876)	20,333
June	332,394	(61,876)	20,333
July	332,394	(61,876)	20,333
August	332,394	(61,876)	20,333
September	332,394	(61,876)	20,333
October	332,394	(61,876)	20,333
November	332,394	(61,876)	20,333
December	332,395	(61,871)	20,337
	<u>3,988,729</u>	<u>(742,507)</u>	<u>244,000</u>

1/ Twelve months ended December 31, 2018 \$3,988,729

2/ NITS Customer Revenue Requirements included in Projected  
2019 Attachment O as of January 2019.

3/ Annual Facility Sharing Agreement revenue of \$244,000

**Montana-Dakota Utilities Co.  
Electric Utility  
MISO Schedule 10 Expenses  
Projected 2019**

	Schedule 10 1/			
	<u>MISO - Energy</u>	<u>MISO - Demand</u>	<u>FERC - Direct</u>	<u>Total MDU</u>
January	\$46,970	\$3,476	\$14,287	\$64,733
February	46,970	3,476	14,287	64,733
March	46,970	3,476	14,287	64,733
April	46,970	3,476	14,287	64,733
May	46,970	3,476	14,287	64,733
June	46,970	3,476	14,287	64,733
July	46,970	3,476	14,287	64,733
August	46,970	3,476	14,287	64,733
September	46,970	3,476	14,287	64,733
October	46,970	3,476	14,287	64,733
November	46,970	3,476	14,287	64,733
December	46,974	3,472	14,288	64,734
	<u>563,644</u>	<u>41,708</u>	<u>171,445</u>	<u>776,797</u>

1/ Twelve months ended December 31, 2018.

**Montana-Dakota Utilities Co.  
Electric Utility  
MISO Schedule 26 Expense  
Projected 2019**

	Charges 1/	Revenue 2/
January	\$214,898	\$96,024
February	214,898	96,024
March	214,898	96,024
April	214,898	96,024
May	214,898	96,024
June	214,898	96,024
July	214,898	96,024
August	214,898	96,024
September	214,898	96,024
October	214,898	96,024
November	214,898	96,024
December	214,902	96,027
Total	<u>\$2,578,780</u>	<u>\$1,152,291</u>

1/ Schedule 26 indicative costs posted by MISO as of October 2, 2018:

\$2,578,780

2/ Montana-Dakota's projected 2019 revenue requirement for its MTEP  
project 1355 (Heskett Substation) recovered under Schedule 26

\$1,152,291

**Montana-Dakota Utilities Co.  
Electric Utility  
MISO Schedule 26A Expenses  
Projected 2019**

	BSSE MVP Project		All Other MVP Projects		
	Revenue Requirement 1/	Integrated System Retail Revenue Requirement 2/	Integrated Requirements MWH 3/	Total MVP Charges (excl. BSSE Retail Rev. Req.) 4/	Total Schedule 26A Expense
January	\$1,208,187	\$8,941	322,189	\$558,112	\$567,053
February	1,208,187	8,941	302,449	523,369	532,310
March	1,208,187	8,941	283,781	490,514	499,455
April	1,208,187	8,941	256,847	443,110	452,051
May	1,208,187	8,941	249,439	430,072	439,013
June	1,208,187	8,941	252,710	435,829	444,770
July	1,208,187	8,941	298,563	516,530	525,471
August	1,208,187	8,941	279,744	483,408	492,349
September	1,208,187	8,941	264,317	456,257	465,198
October	1,208,187	8,941	256,047	441,702	450,643
November	1,208,187	8,941	291,129	503,446	512,387
December	1,208,187	8,941	328,730	569,624	578,565
Total	<u>\$14,498,244</u>	<u>\$107,292</u>	<u>3,385,945</u>	<u>\$5,851,973</u>	<u>\$5,959,265</u>

1/ Montana-Dakota's Projected 2019 Revenue Requirement (Attachment MM) for the BSSE MVP projected to be recovered under Schedule 26A \$14,498,244

2/ Montana-Dakota's estimated retail portion of its BSSE project based on Montana-Dakota's load ratio share in the MISO footprint 0.74% 5/

3/ 2019 Electric Load Forecast

4/ MISO's Indicative Annual MVP Charges for Approved MVPs as of October 2, 2018: \$1.76

5/ Montana-Dakota's total MVP charges including the BSSE project.

MDU Projected 2019 MWh Withdrawals - 10/2/18 update	3,332,480
Total MISO MWh Withdrawals	448,519,977
Montana-Dakota's load share in MISO footprint	0.74%

**Montana-Dakota Utilities Co.  
Electric Utility  
SPP Revenue and Expenses  
Projected 2019**

	SPP Sch 1 1/	SPP Sch 1a 1/	Sch 9 NITS 1/	Sch 11 NITS 1/	Sch 9 Fac. Credit 2/	SPP Sch 12 1/
January	\$53,089	\$92,938	\$1,437,338	\$153,080	(\$859,997)	\$13,668
February	53,089	92,938	1,437,338	153,080	(859,997)	13,668
March	53,089	92,938	1,437,338	153,080	(859,997)	13,668
April	53,089	92,938	1,437,338	153,080	(859,997)	13,668
May	53,089	92,938	1,437,338	153,080	(859,997)	13,668
June	53,089	92,938	1,437,338	153,080	(859,997)	13,668
July	53,089	92,938	1,437,338	153,080	(859,997)	13,668
August	53,089	92,938	1,437,338	153,080	(859,997)	13,668
September	53,089	92,938	1,437,338	153,080	(859,997)	13,668
October	53,089	92,938	1,437,338	153,080	(859,997)	13,668
November	53,089	92,938	1,437,338	153,080	(859,997)	13,668
December	53,090	92,935	1,437,333	153,075	(859,991)	13,673
	<u>637,069</u>	<u>1,115,253</u>	<u>17,248,051</u>	<u>1,836,955</u>	<u>(10,319,958)</u>	<u>164,021</u>

1/ Twelve months ended December 31, 2018.

2/ SPP Section 30.9 Facility Credits for 2019



## Summary of MISO and SPP Revenues, Credits, and Charges

### Revenue or Credits Received by Montana-Dakota

Facility Sharing Agreement:	Revenue received from Basin Electric Power Cooperative (BEPC) for the use of Montana-Dakota's facilities to serve BEPC member cooperative loads
MISO Schedule 1:	Revenue received for Montana-Dakota's scheduling and administration of moving power through MISO
MISO Schedule 2:	Revenue received for Montana-Dakota's maintenance of voltage on the system
MISO Schedule 7:	Revenue received by Montana-Dakota for Firm Point to Point Transmission Service
MISO Schedule 8:	Revenue received by Montana-Dakota for Non-Firm Point to Point Transmission Service
MISO Schedule 9:	Revenue received by Montana-Dakota for Network Integration Transmission Service (NITS). This revenue is then offset to reflect the revenue requirements of BEPC member cooperatives received by Montana-Dakota from MISO for transmission service in Montana-Dakota's pricing zone that are in turn paid to BEPC.
MISO Schedule 24:	Revenue received by Montana-Dakota as a Load Balancing Authority which it receives for services provided to others in MISO.
MISO Schedule 26:	<p>Reflects Montana-Dakota's projected 2019 MISO Attachment GG revenue requirement for MISO Transmission Expansion Plan (MTEP) project 1355 (Heskett Substation). The Heskett Substation was deemed a baseline reliability projected under MISO's 2009 MTEP.</p> <p>Montana-Dakota does not include the projected revenue for MISO Schedules 37 and 38 as MISO does not provide a separate forecast for those revenues. The revenues received under these schedules represent Montana-Dakota's share of the Schedule 26 cost allocation assigned to former MISO transmission owners that have withdrawn from MISO, but have an obligation to pay for MISO Schedule 26 projects due to their prior MISO membership. The actual revenues received by</p>

	Montana-Dakota for MISO Schedules 37 and 38 are identified as such and therefore are included separately in Attachment C
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### Expenses Paid by Montana-Dakota

MISO Schedule 10:	Charges paid by Montana-Dakota for MISO Schedule 10 charges and direct FERC assessments. As transmission providers, both MISO, on behalf of Montana-Dakota, and Montana-Dakota are assessed annual charges by the FERC in accordance with FERC regulations.
MISO Schedule 26:	Reflects MISO's 2019 indicative charge for Pricing Zone for Approved Baseline Reliability Projects, Generation Interconnection Projects, and Market Efficiency Projects. The Schedule 26 charges reflect Montana-Dakota's share of costs for projects that qualify for regional cost allocation under the MISO tariff.
MISO Schedule 26A:	Reflect Montana-Dakota's forecasted load at the indicative charge with Montana-Dakota's share of the Big Stone South to Ellendale (BSSE) retail revenue requirement stated separately. Montana-Dakota's share of the BSSE retail revenue requirement reflects the estimated retail portion of the BSSE project using Montana-Dakota's load share within the MISO footprint and the Company's projected MISO Attachment MM revenue requirement for MTEP Project 2220 (BSSE MVP Project). The BSSE MVP project is one of seventeen MVPs approved by MISO as part of the MTEP 2011 report. Schedule 26A is charged equally to all MISO load for recovery of MISO's MVP portfolio.
SPP Schedule 1:	Charges paid by Montana-Dakota to SPP for the scheduling and administration of power through SPP.
SPP Schedule 1a:	Charges paid by Montana-Dakota to SPP for SPP's administration of the market and transmission system.
SPP Schedule 9:	Charges paid by Montana-Dakota for Network Integration Transmission Service. Also reflected are the payments (SPP Section 30.9 Facility Credits) made for SPP's use of Montana-Dakota's transmission facilities.

SPP Schedule 11:	Charges paid by Montana-Dakota associated with Highway Byway cost allocated network upgrades. A network customer's firm network transmission charge is a combination of Schedules 9 and 11.
SPP Schedule 12:	The FERC assessments to SPP associated with Montana-Dakota's loads on the SPP system, similar to MISO's Schedule 10 charges.