

Montana-Dakota Utilities Co.
Electric Utility
Transmission Cost Recovery Rider
Summary of Revenue and Expenses Allocated to South Dakota
Projected 2022

	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	6,218	6,218	6,218	6,218	6,218	6,218	6,218	6,218	6,218	6,218	6,218	6,217	74,615
Schedule 2	28,482	28,482	28,482	28,482	28,482	28,482	28,482	28,482	28,482	28,482	28,482	28,482	341,784
Schedule 7	52,819	52,819	52,819	52,819	52,819	52,819	52,819	52,819	52,819	52,819	52,819	52,815	633,824
Schedule 8	17,267	17,267	17,267	17,267	17,267	17,267	17,267	17,267	17,267	17,267	17,267	17,272	207,209
Schedule 9	278,751	278,751	278,751	278,751	278,751	278,751	278,751	278,751	278,751	278,751	278,751	278,745	3,345,006
NITS Cust Rev Req	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,778)	(48,781)	(585,339)
Schedule 24	68,789	68,789	68,789	68,789	68,789	68,789	68,789	68,789	68,789	68,789	68,789	68,785	825,464
Schedule 26	167,449	167,449	167,449	167,449	167,449	167,449	167,449	167,449	167,449	167,449	167,449	167,446	2,009,385
	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,981	6,851,948
Charges													
Schedule 10													
Energy	51,705	51,705	51,705	51,705	51,705	51,705	51,705	51,705	51,705	51,705	51,705	51,707	620,462
Demand	3,767	3,767	3,767	3,767	3,767	3,767	3,767	3,767	3,767	3,767	3,767	3,761	45,198
FERC	23,786	23,786	23,786	23,786	23,786	23,786	23,786	23,786	23,786	23,786	23,786	23,781	285,427
	79,258	79,258	79,258	79,258	79,258	79,258	79,258	79,258	79,258	79,258	79,258	79,249	951,087
Schedule 26	217,657	217,657	217,657	217,657	217,657	217,657	217,657	217,657	217,657	217,657	217,657	217,656	2,611,883
Schedule 26A	552,753	503,677	493,746	418,237	418,712	428,348	493,822	471,197	427,959	432,597	473,732	545,117	5,659,897
	849,668	800,592	790,661	715,152	715,627	725,263	790,737	768,112	724,874	729,512	770,647	842,022	9,222,867

Montana-Dakota Utilities Co.
Electric Utility
Transmission Cost Recovery Rider
Summary of Revenue and Expenses Allocated to South Dakota
Projected 2022

	January	February	March	April	May	June	July	August	September	October	November	December	Total
SPP													
Revenue/Credits													
Facility Credits	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	1,024,237	12,290,844
Charges													
Schedule 1	41,446	41,446	41,446	41,446	41,446	41,446	41,446	41,446	41,446	41,446	41,446	41,442	497,348
Schedule 1a	31,605	31,605	31,605	31,605	31,605	31,605	31,605	31,605	31,605	31,605	31,605	31,602	379,257
Schedule 9	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,049	1,487,047	17,844,586
Schedule 11	187,444	187,444	187,444	187,444	187,444	187,444	187,444	187,444	187,444	187,444	187,444	187,440	2,249,324
Schedule 12	12,003	12,003	12,003	12,003	12,003	12,003	12,003	12,003	12,003	12,003	12,003	12,008	144,041
	<u>1,759,547</u>	<u>1,759,539</u>	<u>21,114,556</u>										
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	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,997	570,981	6,851,948
SPP	<u>1,024,237</u>	<u>12,290,844</u>											
	<u>1,615,567</u>	<u>1,615,555</u>	<u>19,386,792</u>										
Allocated to SD 1/	80,360	80,360	80,360	80,360	80,360	80,360	80,360	80,360	80,360	80,360	80,360	80,360	964,320
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
	<u>68,294</u>	<u>68,392</u>	<u>70,009</u>	<u>71,389</u>	<u>69,597</u>	<u>73,430</u>	<u>71,337</u>	<u>72,363</u>	<u>73,072</u>	<u>72,711</u>	<u>65,216</u>	<u>63,813</u>	<u>839,623</u>
Total Company Charges													
MISO	849,668	800,592	790,661	715,152	715,627	725,263	790,737	768,112	724,874	729,512	770,647	842,022	9,222,867
SPP	<u>1,759,547</u>	<u>1,759,539</u>	<u>21,114,556</u>										
	<u>2,609,215</u>	<u>2,560,139</u>	<u>2,550,208</u>	<u>2,474,699</u>	<u>2,475,174</u>	<u>2,484,810</u>	<u>2,550,284</u>	<u>2,527,659</u>	<u>2,484,421</u>	<u>2,489,059</u>	<u>2,530,194</u>	<u>2,601,561</u>	<u>30,337,423</u>
Allocated to SD 1/	129,786	127,345	126,851	123,095	123,118	123,598	126,854	125,729	123,578	123,809	125,855	129,405	1,509,023
SD PUC Assessment	328	328	328	328	328	328	328	328	328	328	328	325	3,933
Net SD Expense	<u>\$61,820</u>	<u>\$59,281</u>	<u>\$57,170</u>	<u>\$52,034</u>	<u>\$53,849</u>	<u>\$50,496</u>	<u>\$55,845</u>	<u>\$53,694</u>	<u>\$50,834</u>	<u>\$51,426</u>	<u>\$60,967</u>	<u>\$65,917</u>	<u>\$673,333</u>

1/ Allocated to SD on Factor 15 Integrated System 12 Month Peak Demand: 4.974126%
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 2022

	<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	\$6,218	\$28,482	\$52,819	\$17,267	\$68,789
February	6,218	28,482	52,819	17,267	68,789
March	6,218	28,482	52,819	17,267	68,789
April	6,218	28,482	52,819	17,267	68,789
May	6,218	28,482	52,819	17,267	68,789
June	6,218	28,482	52,819	17,267	68,789
July	6,218	28,482	52,819	17,267	68,789
August	6,218	28,482	52,819	17,267	68,789
September	6,218	28,482	52,819	17,267	68,789
October	6,218	28,482	52,819	17,267	68,789
November	6,218	28,482	52,819	17,267	68,789
December	6,217	28,482	52,815	17,272	68,785
	<u>\$74,615</u>	<u>\$341,784</u>	<u>\$633,824</u>	<u>\$207,209</u>	<u>\$825,464</u>

1/ Three year average.

2/ Twelve months ended December 31, 2021.

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 9 Revenue, BEPC Payments & Credits and
Facility Sharing Agreement Revenue
Projected 2022**

	MISO Sch 9 Revenue 1/	Payments to Basin 2/	Basin Facility Sharing Agreements 3/
January	\$278,751	(\$48,778)	\$20,333
February	278,751	(48,778)	20,333
March	278,751	(48,778)	20,333
April	278,751	(48,778)	20,333
May	278,751	(48,778)	20,333
June	278,751	(48,778)	20,333
July	278,751	(48,778)	20,333
August	278,751	(48,778)	20,333
September	278,751	(48,778)	20,333
October	278,751	(48,778)	20,333
November	278,751	(48,778)	20,333
December	278,745	(48,781)	20,337
	<u>\$3,345,006</u>	<u>(\$585,339)</u>	<u>\$244,000</u>

1/ Twelve months ended December 31, 2021 \$3,345,006

2/ NITS Customer Revenue Requirements included in Projected
2022 Attachment O as of January 2021.

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

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 10 Expenses
Projected 2022**

	Schedule 10 1/			
	<u>MISO - Energy</u>	<u>MISO - Demand</u>	<u>FERC - Direct</u>	<u>Total MDU</u>
January	\$51,705	\$3,767	\$23,786	\$79,258
February	51,705	3,767	23,786	79,258
March	51,705	3,767	23,786	79,258
April	51,705	3,767	23,786	79,258
May	51,705	3,767	23,786	79,258
June	51,705	3,767	23,786	79,258
July	51,705	3,767	23,786	79,258
August	51,705	3,767	23,786	79,258
September	51,705	3,767	23,786	79,258
October	51,705	3,767	23,786	79,258
November	51,705	3,767	23,786	79,258
December	51,707	3,761	23,781	79,249
	<u>\$620,462</u>	<u>\$45,198</u>	<u>\$285,427</u>	<u>\$951,087</u>

1/ Twelve months ended December 31, 2021.

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 26 Expense
Projected 2022**

	<u>Charges 1/</u>	<u>Revenue 2/</u>
January	\$217,657	\$167,449
February	217,657	167,449
March	217,657	167,449
April	217,657	167,449
May	217,657	167,449
June	217,657	167,449
July	217,657	167,449
August	217,657	167,449
September	217,657	167,449
October	217,657	167,449
November	217,657	167,449
December	217,656	167,446
Total	<u>\$2,611,883</u>	<u>\$2,009,385</u>

1/ Schedule 26 indicative costs posted by MISO as of July 9, 2021:
\$2,611,883

2/ Montana-Dakota's projected 2022 revenue requirement recovered
under Schedule 26
\$2,009,385

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 26A Expenses
Projected 2022**

	BSSE MVP Project		All Other MVP Projects		Total Schedule 26A Expense
	Revenue Requirement 1/	Integrated System Retail Revenue Requirement 2/	Integrated Requirements MWh 3/	Total MVP Charges (excl. BSSE Retail Rev. Req.) 4/	
January	\$1,114,147	\$8,468	335,002	\$544,285	\$552,753
February	1,114,147	8,468	305,259	495,209	503,677
March	1,114,147	8,468	299,240	485,278	493,746
April	1,114,147	8,468	253,477	409,769	418,237
May	1,114,147	8,468	253,765	410,244	418,712
June	1,114,147	8,468	259,605	419,880	428,348
July	1,114,147	8,468	299,286	485,354	493,822
August	1,114,147	8,468	285,574	462,729	471,197
September	1,114,147	8,468	259,369	419,491	427,959
October	1,114,147	8,468	262,180	424,129	432,597
November	1,114,147	8,468	287,110	465,264	473,732
December	1,114,150	8,468	330,374	536,649	545,117
Total	<u>\$13,369,767</u>	<u>\$101,616</u>	<u>3,430,241</u>	<u>\$5,558,281</u>	<u>\$5,659,897</u>

1/ Montana-Dakota's Projected 2022 Revenue Requirement (Attachment MM) for the BSSE MVP projected to be recovered under Schedule 26A \$13,369,767

2/ Montana-Dakota's estimated retail portion of its BSSE project based on Montana-Dakota's load ratio share in the MISO footprint 0.76% 5/

3/ 2021 Electric Load Forecast

4/ MISO's Indicative Annual MVP Charges for Approved MVPs as of July 20, 2021: \$1.65

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

MDU Projected 2022 MWh Withdrawals - 7/20/20 update	3,406,903
Total MISO MWh Withdrawals	449,224,096
Montana-Dakota's load share in MISO footprint	0.76%

**Montana-Dakota Utilities Co.
Electric Utility
SPP Revenue and Expenses
Projected 2022**

	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	\$41,446	\$31,605	\$1,487,049	\$187,444	(\$1,024,237)	\$12,003
February	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
March	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
April	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
May	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
June	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
July	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
August	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
September	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
October	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
November	41,446	31,605	1,487,049	187,444	(\$1,024,237)	12,003
December	41,442	31,602	1,487,047	187,440	(\$1,024,237)	12,008
	<u>\$497,348</u>	<u>\$379,257</u>	<u>\$17,844,586</u>	<u>\$2,249,324</u>	<u>(\$12,290,844)</u>	<u>\$144,041</u>

1/ Twelve months ended December 31, 2021.

2/ SPP Section 30.9 Facility Credits for 2022

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 2022 MISO Attachment GG revenue requirement for MISO Transmission Expansion Plan (MTEP) projects 1355 (Heskett Substation), 15304 (Twin Brooks substation) and 16825 (Twin Brooks substation). The Heskett Substation was deemed a baseline reliability projected under MISO's 2009 MTEP. The Twin Brooks Substation projects were deemed generation interconnection projects under MISO's 2019 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 D.
--	---

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 2021 and 2022 indicative charges 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.