

Montana-Dakota Utilities Co.
Electric Utility
Transmission Cost Recovery Rider
Summary of Revenue and Expenses Allocated to South Dakota
Projected 2021

	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	4,937	4,937	4,937	4,937	4,937	4,937	4,937	4,937	4,937	4,937	4,937	4,934	59,241
Schedule 2	19,557	19,557	19,557	19,557	19,557	19,557	19,557	19,557	19,557	19,557	19,557	19,552	234,679
Schedule 7	68,290	68,290	68,290	68,290	68,290	68,290	68,290	68,290	68,290	68,290	68,290	68,290	819,480
Schedule 8	834	834	834	834	834	834	834	834	834	834	834	829	10,003
Schedule 9	281,483	281,483	281,483	281,483	281,483	281,483	281,483	281,483	281,483	281,483	281,483	281,480	3,377,793
NITS Cust Rev Req	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,152)	(53,155)	(637,827)
Schedule 24	67,038	67,038	67,038	67,038	67,038	67,038	67,038	67,038	67,038	67,038	67,038	67,038	804,456
Schedule 26	98,199	98,199	98,199	98,199	98,199	98,199	98,199	98,199	98,199	98,199	98,199	98,197	1,178,386
	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,165	5,846,211
Charges													
Schedule 10													
Energy	51,236	51,236	51,236	51,236	51,236	51,236	51,236	51,236	51,236	51,236	51,236	51,231	614,827
Demand	3,732	3,732	3,732	3,732	3,732	3,732	3,732	3,732	3,732	3,732	3,732	3,736	44,788
FERC	20,401	20,401	20,401	20,401	20,401	20,401	20,401	20,401	20,401	20,401	20,401	20,398	244,809
	75,369	75,369	75,369	75,369	75,369	75,369	75,369	75,369	75,369	75,369	75,369	75,365	904,424
Schedule 26	195,523	195,523	195,523	195,523	195,523	195,523	195,523	195,523	195,523	195,523	195,523	195,526	2,346,279
Schedule 26A	572,047	513,178	505,257	436,309	432,153	441,712	507,737	489,148	441,526	445,940	494,796	578,047	5,857,850
	842,939	784,070	776,149	707,201	703,045	712,604	778,629	760,040	712,418	716,832	765,688	848,938	9,108,553

Montana-Dakota Utilities Co.
Electric Utility
Transmission Cost Recovery Rider
Summary of Revenue and Expenses Allocated to South Dakota
Projected 2021

	January	February	March	April	May	June	July	August	September	October	November	December	Total
SPP													
Revenue/Credits													
Facility Credits	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,724	10,940,754
Charges													
Schedule 1	57,535	57,535	57,535	57,535	57,535	57,535	57,535	57,535	57,535	57,535	57,535	57,529	690,414
Schedule 1a	95,840	95,840	95,840	95,840	95,840	95,840	95,840	95,840	95,840	95,840	95,840	95,835	1,150,075
Schedule 9	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,397	1,493,392	17,920,759
Schedule 11	171,016	171,016	171,016	171,016	171,016	171,016	171,016	171,016	171,016	171,016	171,016	171,012	2,052,188
Schedule 12	14,677	14,677	14,677	14,677	14,677	14,677	14,677	14,677	14,677	14,677	14,677	14,679	176,126
	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,465</u>	<u>1,832,447</u>	<u>21,989,562</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	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,186	487,165	5,846,211
SPP	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,730	911,724	10,940,754
	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,249</u>	<u>1,419,226</u>	<u>17,030,965</u>
Allocated to SD 1/	76,386	76,386	76,386	76,386	76,386	76,386	76,386	76,386	76,386	76,386	76,386	76,385	916,631
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>64,320</u>	<u>64,418</u>	<u>66,035</u>	<u>67,415</u>	<u>65,623</u>	<u>69,456</u>	<u>67,363</u>	<u>68,389</u>	<u>69,098</u>	<u>68,737</u>	<u>61,242</u>	<u>59,838</u>	<u>791,934</u>
Total Company Charges													
MISO	842,939	784,070	776,149	707,201	703,045	712,604	778,629	760,040	712,418	716,832	765,688	848,938	9,108,553
SPP	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,465	1,832,447	21,989,562
	<u>2,675,404</u>	<u>2,616,535</u>	<u>2,608,614</u>	<u>2,539,666</u>	<u>2,535,510</u>	<u>2,545,069</u>	<u>2,611,094</u>	<u>2,592,505</u>	<u>2,544,883</u>	<u>2,549,297</u>	<u>2,598,153</u>	<u>2,681,385</u>	<u>31,098,115</u>
Allocated to SD 1/	143,994	140,826	140,399	136,689	136,465	136,979	140,533	139,532	136,969	137,207	139,836	144,316	1,673,745
SD PUC Assessment	100	100	100	100	100	100	100	100	100	100	100	96	1,196
Net SD Expense	<u>\$79,774</u>	<u>\$76,508</u>	<u>\$74,464</u>	<u>\$69,374</u>	<u>\$70,942</u>	<u>\$67,623</u>	<u>\$73,270</u>	<u>\$71,243</u>	<u>\$67,971</u>	<u>\$68,570</u>	<u>\$78,694</u>	<u>\$84,574</u>	<u>\$883,007</u>

1/ Allocated to SD on Factor 15 Integrated System 12 Month Peak Demand: 5.382147%

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 2021**

	<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	\$4,937	\$19,557	\$68,290	\$834	\$67,038
February	4,937	19,557	68,290	834	67,038
March	4,937	19,557	68,290	834	67,038
April	4,937	19,557	68,290	834	67,038
May	4,937	19,557	68,290	834	67,038
June	4,937	19,557	68,290	834	67,038
July	4,937	19,557	68,290	834	67,038
August	4,937	19,557	68,290	834	67,038
September	4,937	19,557	68,290	834	67,038
October	4,937	19,557	68,290	834	67,038
November	4,937	19,557	68,290	834	67,038
December	4,934	19,552	68,290	829	67,038
	<u>\$59,241</u>	<u>\$234,679</u>	<u>\$819,480</u>	<u>\$10,003</u>	<u>\$804,456</u>

1/ Three year average.

2/ Twelve months ended December 31, 2020.

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 9 Revenue, BEPC Payments & Credits and
Facility Sharing Agreement Revenue
Projected 2021**

	MISO Sch 9 Revenue 1/	Payments to Basin 2/	Basin Facility Sharing Agreements 3/
January	\$281,483	(\$53,152)	\$20,333
February	281,483	(53,152)	20,333
March	281,483	(53,152)	20,333
April	281,483	(53,152)	20,333
May	281,483	(53,152)	20,333
June	281,483	(53,152)	20,333
July	281,483	(53,152)	20,333
August	281,483	(53,152)	20,333
September	281,483	(53,152)	20,333
October	281,483	(53,152)	20,333
November	281,483	(53,152)	20,333
December	281,480	(53,155)	20,337
	<u>\$3,377,793</u>	<u>(\$637,827)</u>	<u>\$244,000</u>

1/ Twelve months ended December 31, 2020 \$3,377,793

2/ NITS Customer Revenue Requirements included in Projected
2021 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 2021**

	Schedule 10 1/			
	<u>MISO - Energy</u>	<u>MISO - Demand</u>	<u>FERC - Direct</u>	<u>Total MDU</u>
January	\$51,236	\$3,732	\$20,401	\$75,369
February	51,236	3,732	20,401	75,369
March	51,236	3,732	20,401	75,369
April	51,236	3,732	20,401	75,369
May	51,236	3,732	20,401	75,369
June	51,236	3,732	20,401	75,369
July	51,236	3,732	20,401	75,369
August	51,236	3,732	20,401	75,369
September	51,236	3,732	20,401	75,369
October	51,236	3,732	20,401	75,369
November	51,236	3,732	20,401	75,369
December	51,231	3,736	20,398	75,365
	<u>\$614,827</u>	<u>\$44,788</u>	<u>\$244,809</u>	<u>\$904,424</u>

1/ Twelve months ended December 31, 2020.

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 26 Expense
Projected 2021**

	<u>Charges 1/</u>	<u>Revenue 2/</u>
January	\$195,523	\$98,199
February	195,523	98,199
March	195,523	98,199
April	195,523	98,199
May	195,523	98,199
June	195,523	98,199
July	195,523	98,199
August	195,523	98,199
September	195,523	98,199
October	195,523	98,199
November	195,523	98,199
December	195,526	98,197
Total	<u>\$2,346,279</u>	<u>\$1,178,386</u>

1/ Schedule 26 indicative costs posted by MISO as of August 6, 2020:
\$2,346,279

2/ Montana-Dakota's projected 2021 revenue requirement recovered
under Schedule 26
\$1,178,386

**Montana-Dakota Utilities Co.
Electric Utility
MISO Schedule 26A Expenses
Projected 2021**

	<u>BSSE MVP Project</u>		<u>All Other MVP Projects</u>		<u>Total Schedule 26A Expense</u>
	Revenue Requirement 1/	Integrated System Retail Revenue Requirement 2/	Integrated Requirements MWh 3/	Total MVP Charges (excl. BSSE Retail Rev. Req.) 4/	
January	\$1,075,961	\$8,070	342,543	\$563,977	\$572,047
February	1,075,961	8,070	307,292	505,108	513,178
March	1,075,961	8,070	302,549	497,187	505,257
April	1,075,961	8,070	261,263	428,239	436,309
May	1,075,961	8,070	258,774	424,083	432,153
June	1,075,961	8,070	264,498	433,642	441,712
July	1,075,961	8,070	304,034	499,667	507,737
August	1,075,961	8,070	292,903	481,078	489,148
September	1,075,961	8,070	264,387	433,456	441,526
October	1,075,961	8,070	267,030	437,870	445,940
November	1,075,961	8,070	296,285	486,726	494,796
December	1,075,960	8,070	346,136	569,977	578,047
Total	<u>\$12,911,531</u>	<u>\$96,840</u>	<u>3,507,694</u>	<u>\$5,761,010</u>	<u>\$5,857,850</u>

1/ Montana-Dakota's Projected 2021 Revenue Requirement (Attachment MM) for the BSSE MVP projected to be recovered under Schedule 26A \$12,911,531

2/ Montana-Dakota's estimated retail portion of its BSSE project based on Montana-Dakota's load ratio share in the MISO footprint 0.75% 5/

3/ 2020 Electric Load Forecast

4/ MISO's Indicative Annual MVP Charges for Approved MVPs as of August 5, 2020: \$1.67

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

MDU Projected 2021 MWh Withdrawals - 8/5/20 update	3,393,330
Total MISO MWh Withdrawals	452,834,262
Montana-Dakota's load share in MISO footprint	0.75%

**Montana-Dakota Utilities Co.
Electric Utility
SPP Revenue and Expenses
Projected 2021**

	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	\$57,535	\$95,840	\$1,493,397	\$171,016	(\$911,730)	\$14,677
February	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
March	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
April	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
May	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
June	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
July	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
August	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
September	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
October	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
November	57,535	95,840	1,493,397	171,016	(\$911,730)	14,677
December	57,529	95,835	1,493,392	171,012	(\$911,724)	14,679
	<u>\$690,414</u>	<u>\$1,150,075</u>	<u>\$17,920,759</u>	<u>\$2,052,188</u>	<u>(\$10,940,754)</u>	<u>\$176,126</u>

1/ Twelve months ended December 31, 2020.

2/ SPP Section 30.9 Facility Credits for 2021

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 2021 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 2020 and 2021 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.