

Montana-Dakota Utilities Co.
Electric Utility - South Dakota
Transmission Cost Recovery Rider
Summary of Revenue and Expenses Allocated to South Dakota
Twelve Months Ended December 31, 2016

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Facility Sharing Agreement	\$0	\$0	\$0	\$0	\$0	\$122,000	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$20,333	\$243,998
MISO													
Revenue/Credits													
Schedule 1	20,562	18,257	15,834	13,374	13,244	15,822	14,854	14,632	13,128	13,074	15,282	19,732	187,795
Schedule 2	17,767	15,361	13,434	11,251	11,192	13,618	14,619	14,208	12,530	13,082	13,122	17,282	167,466
Schedule 7	32,533	30,827	32,932	29,433	26,692	35,794	38,290	(704)	36,013	42,339	37,963	34,331	376,443
Schedule 8	2,093	1,012	1,332	997	629	1,048	1,204	1,810	717	31,660	1,808	1,380	45,690
Schedule 9	427,034	363,650	302,984	232,117	234,361	312,411	335,330	320,485	272,066	267,857	271,078	388,136	3,727,509
Schedule 24	55,771	60,464	75,358	57,217	59,343	71,966	58,550	57,191	70,506	50,963	49,474	62,598	729,401
Schedule 26	168,020	151,477	151,912	140,156	163,445	188,734	213,111	212,712	188,691	146,052	137,250	161,335	2,022,895
Misc	2,895	(19,498)	0	19,505	0	0	1,913	1,702	1,493	2,435	250	2,200	12,895
	726,675	621,550	593,786	504,050	508,906	639,393	677,871	622,036	595,144	567,462	526,227	686,994	7,270,094
Charges													
Schedule 10													
Energy	27,575	22,216	24,745	24,498	24,298	19,761	21,283	22,449	16,924	19,839	24,610	35,215	283,413
Demand	25,982	19,028	25,883	25,009	21,176	22,690	22,218	24,899	20,174	19,616	21,981	31,587	280,243
FERC	16,893	12,510	15,675	13,397	14,154	16,186	20,587	24,976	21,509	16,452	19,152	24,716	216,207
	70,450	53,754	66,303	62,904	59,628	58,637	64,088	72,324	58,607	55,907	65,743	91,518	779,863
Schedule 11 - Misc									74			202	276
Schedule 26	270,731	200,318	250,737	213,709	230,961	258,713	329,733	335,046	261,238	188,473	219,597	283,654	3,042,910
Schedule 26A	358,681	286,819	292,049	268,398	255,535	244,144	282,469	268,029	238,056	225,338	239,533	232,987	3,192,038
	699,862	540,891	609,089	545,011	546,124	561,494	676,290	675,399	557,975	469,718	524,873	608,361	7,015,087

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	January	February	March	April	May	June	July	August	September	October	November	December	Total
SPP													
Revenue/Credits													
Facility Credits	0	0	0	0	0	6,676,728	1,112,788	1,112,788	623,103	1,112,788	990,367	990,367	12,618,929
Charges													
Schedule 1	15,854	139,204	78,669	84,147	46,598	1,093	105,147	96,426	76,652	77,284	32,419	81,230	834,723
Schedule 1a	10,723	168,053	38,339	114,435	78,900	86,938	78,788	86,877	84,179	78,141	87,227	78,981	991,581
Schedule 9	1,297,350	1,599,742	1,448,546	1,494,884	1,566,555	1,436,611	1,503,131	1,538,390	1,810,174	1,508,784	1,592,803	1,574,663	18,371,633
Schedule 11	76	325,894	185,047	111,618	(208,359)	21,974	(237,893)	26,860	29,165	124,508	(7,981)	34,295	405,204
Schedule 12	9,469	6,086	7,135	30,696	(23,516)	36,419	2,602	11,609	11,060	8,190	9,886	10,456	120,092
	<u>1,333,472</u>	<u>2,238,979</u>	<u>1,757,736</u>	<u>1,835,780</u>	<u>1,460,178</u>	<u>1,583,035</u>	<u>1,451,775</u>	<u>1,760,162</u>	<u>2,011,230</u>	<u>1,796,907</u>	<u>1,714,354</u>	<u>1,779,625</u>	<u>20,723,233</u>
Total Revenue/Credits													
Facility Sharing	0	0	0	0	0	122,000	20,333	20,333	20,333	20,333	20,333	20,333	243,998
MISO	726,675	621,550	593,786	504,050	508,906	639,393	677,871	622,036	595,144	567,462	526,227	686,994	7,270,094
SPP	0	0	0	0	0	6,676,728	1,112,788	1,112,788	623,103	1,112,788	990,367	990,367	12,618,929
	<u>726,675</u>	<u>621,550</u>	<u>593,786</u>	<u>504,050</u>	<u>508,906</u>	<u>7,438,121</u>	<u>1,810,992</u>	<u>1,755,157</u>	<u>1,238,580</u>	<u>1,700,583</u>	<u>1,536,927</u>	<u>1,697,694</u>	<u>20,133,021</u>
Allocated to SD 1/ Transmission in Base 2/	36,993	31,642	30,228	25,660	25,907	378,659	92,194	89,351	63,053	86,573	78,242	86,426	1,024,928
	<u>12,066</u>	<u>11,968</u>	<u>10,351</u>	<u>8,971</u>	<u>10,763</u>	<u>6,930</u>	<u>9,023</u>	<u>7,997</u>	<u>7,288</u>	<u>7,649</u>	<u>15,144</u>	<u>16,547</u>	<u>124,697</u>
	<u>24,927</u>	<u>19,674</u>	<u>19,877</u>	<u>16,689</u>	<u>15,144</u>	<u>371,729</u>	<u>83,171</u>	<u>81,354</u>	<u>55,765</u>	<u>78,924</u>	<u>63,098</u>	<u>69,879</u>	<u>900,231</u>
Total Charges													
MISO	699,862	540,891	609,089	545,011	546,124	561,494	676,290	675,399	557,975	469,718	524,873	608,361	7,015,087
SPP	1,333,472	2,238,979	1,757,736	1,835,780	1,460,178	1,583,035	1,451,775	1,760,162	2,011,230	1,796,907	1,714,354	1,779,625	20,723,233
	<u>2,033,334</u>	<u>2,779,870</u>	<u>2,366,825</u>	<u>2,380,791</u>	<u>2,006,302</u>	<u>2,144,529</u>	<u>2,128,065</u>	<u>2,435,561</u>	<u>2,569,205</u>	<u>2,266,625</u>	<u>2,239,227</u>	<u>2,387,986</u>	<u>27,738,320</u>
Allocated to SD 1/	103,513	141,517	120,490	121,201	102,137	109,173	108,335	123,989	130,793	115,389	113,994	121,567	1,412,098
Net Expense	<u>\$78,586</u>	<u>\$121,843</u>	<u>\$100,613</u>	<u>\$104,512</u>	<u>\$86,993</u>	<u>(\$262,556)</u>	<u>\$25,164</u>	<u>\$42,635</u>	<u>\$75,028</u>	<u>\$36,465</u>	<u>\$50,896</u>	<u>\$51,688</u>	<u>\$511,867</u>

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

5.090785%

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

**Montana-Dakota Utilities Co.
Electric Utility - South Dakota
MVP Credits included in Transmission Cost Recovery Rider
Projected 2016**

	Total Company
Other O&M Revenue Credit - Schedule 26A	
MDU's Attachment MM Annual Allocation for Other Expense 1/	\$593,154
MDU's load share in MISO footprint 2/	0.69%
	4,093
Allocated to South Dakota 3/	208
Schedule 26A Return Credits	
Attachment MM Revenue Requirement	3,758,611
MISO's Total MM Revenue Requirement	435,420,919
Montana-Dakota's Revenue Requirement Ratio	0.863%
Attachment MM Revenue Requirement at SD PUC Return 4/	3,162,626
Attachment MM Revenue Requirement	3,758,611
Schedule 26A Return Adjustment	84.143%
MISO Schedule 26A Indicative Charge	
Projected 2016 Schedule 26A Indicative Charge Rate	\$0.96
MDU's Integrated System Projected MWh	3,285,850
	3,154,416
Montana-Dakota's Revenue Requirement Ratio	0.863%
Montana-Dakota's Allocation of Attachment MM Rev Req	27,223
Schedule 26A Return Adjustment to SD PUC Return	84.143%
Schedule 26A Return Credit	\$22,906
Allocated to South Dakota 3/	1,166
1/ Attachment MM, Page 2, Project Gross Plant (column c)	
2/ MDU Projected 2016 MWh Withdrawals - 8/3/15 update	3,196,264
Total MISO MWh Withdrawals	462,904,531
Montana-Dakota's load share in MISO footprint	0.69%
3/ Factor 15 Integrated System 12 Month Peak Demand =	5.090785%
4/ Return authorized in Docket No. EL15-024.	