

MONTANA-DAKOTA UTILITIES CO.
CASE NO. PU-22-__
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**MONTANA-DAKOTA UTILITIES CO.
PROJECTED OPERATING INCOME AND RATE OF RETURN
REFLECTING ADDITIONAL REVENUE REQUIREMENTS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

	BASE RATES AND RIDERS					
	<u>2023 Revenue at Current Rates</u>	<u>Move Generation (RICE) to Base</u>	<u>Move L&C UI and Heskett UI&II to Generation</u>	<u>Revenue Increase at 10.5% ROE</u>	<u>Total 2023 Revenue Requirement</u>	<u>Total Change in Revenue Requirement</u>
Base Retail Rates	\$169,452,236	\$3,450,741	\$0	\$17,539,519	\$190,442,496	\$20,990,260
Riders:						
Generation	\$3,450,741	-\$3,450,741	\$7,832,580	\$0	\$7,832,580	\$4,381,839
Renewable	18,146,907				18,146,907	
Transmission	14,707,614				14,707,614	
Total Revenue	<u>\$205,757,498</u>	<u>\$0</u>	<u>\$7,832,580</u>	<u>\$17,539,519</u>	<u>\$231,129,597</u>	\$25,372,099

MONTANA-DAKOTA UTILITIES CO.
PROJECTED OPERATING INCOME AND RATE OF RETURN
REFLECTING ADDITIONAL REVENUE REQUIREMENTS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023

BASE RATES			
	Before Additional Revenue Requirements 1/	Additional Revenue Requirements	Reflecting Additional Revenue Requirements
Operating Revenues			
Sales	\$172,902,977	\$17,539,519	\$190,442,496
Sales for Resale	-		-
Other	3,898,165		3,898,165
Total Revenues	176,801,142	17,539,519	194,340,661
Operating Expenses			
Operation and Maintenance			
Cost of Fuel & Purchased Power	45,814,244		45,814,244
Other O&M	55,764,922		55,764,922
Total O&M	101,579,166		101,579,166
Depreciation	30,209,497		30,209,497
Taxes Other Than Income	7,356,417		7,356,417
Current Income Taxes	4,922,147	4,280,502 2/	9,202,649
Deferred Income Taxes	0		-
Total Expenses	144,067,227	4,280,502	148,347,729
Operating Income	<u>\$32,733,915</u>	<u>\$13,259,017</u>	<u>\$45,992,932</u>
Rate Base	<u>\$612,177,981</u>		<u>\$612,177,981</u>
Rate of Return	5.347%		7.513%

1/ See Statement A, Page 3.

2/ Reflects state and federal taxes at 24.4049%.

**MONTANA-DAKOTA UTILITIES CO.
INCOME STATEMENT
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books 2021	Adjusted 2021	Projected		Reference
			2022	2023	
Operating Revenues					
Sales	\$193,996,224	\$167,478,024	\$171,209,147	\$172,902,977	Stmt. F, page 1
Sales for Resale	1,185,619	1,185,619	0	0	Stmt. F, page 1
Other	18,453,299	5,545,344	3,896,420	3,898,165	Stmt. F, page 1
Total Revenues	<u>\$213,635,142</u>	<u>\$174,208,987</u>	<u>\$175,105,567</u>	<u>\$176,801,142</u>	
Operating Expenses					
Operation and Maintenance					
Fuel & Purchased Power	\$44,160,937	\$43,422,976	\$44,292,587	\$45,814,244	Stmt G, page 1
Other O&M	80,028,625	50,580,640	52,153,453	55,764,922	Stmt G, page 1
Total O&M	<u>\$124,189,562</u>	<u>\$94,003,616</u>	<u>\$96,446,040</u>	<u>\$101,579,166</u>	
Depreciation and Amortization	43,429,137	37,875,747	42,960,617	30,209,497	Stmt H, page 1
Taxes Other Than Income	8,251,026	6,785,791	6,826,491	7,356,417	Stmt I, page 1
Current Income Taxes	(10,328,117)	1,547,889	2,404,092	4,922,147	Stmt J, page 1
Deferred Income Taxes	3,272,107	3,272,107			
Total Expenses	<u>\$168,813,715</u>	<u>\$143,485,150</u>	<u>\$148,637,240</u>	<u>\$144,067,227</u>	
Operating Income	<u>\$44,821,427</u>	<u>\$30,723,837</u>	<u>\$26,468,327</u>	<u>\$32,733,915</u>	
Rate Base	<u>\$754,253,059</u>	<u>\$570,918,948</u>	<u>\$586,603,391</u>	<u>\$612,177,981</u>	Page 4
Rate of Return	<u>5.942%</u>	<u>5.381%</u>	<u>4.512%</u>	<u>5.347%</u>	
Return on Equity	<u>7.834%</u>	<u>6.697%</u>	<u>4.588%</u>	<u>6.237%</u>	

**MONTANA-DAKOTA UTILITIES CO.
AVERAGE RATE BASE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books 2021	Adjusted 2021	Projected 2022	Projected 2023	Reference
Electric Plant in Service	\$1,377,133,981	\$956,792,638	\$973,314,017	\$1,049,258,731	Statement B
Accumulated Reserve for Depreciation	473,523,143	334,245,647	336,221,663	353,029,026	Statement C
Total Electric Plant in Service	\$903,610,838	\$622,546,991	\$637,092,354	\$696,229,705	
<u>Additions:</u>					
Materials and Supplies	\$13,553,047	\$13,553,047	\$13,868,468	\$13,868,468	Statement D
Fuel Stocks	2,161,846	2,161,846	1,960,046	1,960,046	Statement D
Prepayments	888,993	888,993	976,197	1,105,632	Statement D
Unamortized Loss on Debt	1,454,509	1,454,509	1,141,289	838,282	Statement D
Decommissioning of Retired Plants	(11,439)	(11,439)	0	0	Statement D
Unamort. Redemption Cost of Pref. Stock	249,573	249,573	228,630	207,687	Statement D
(Gain)/Loss on Sale of Buildings	999,806	999,806	937,712	875,617	Statement D
Renewable Rider Regulatory Liability	(5,346,640)	0	0	0	Statement D
Lewis & Clark Unit 1 Regulatory Asset	18,330,658	39,171,319	39,171,319	0	Statement D
Provision for Pension & Benefits	0	0	7,783,745	15,608,892	Statement D
Provision for Post Retirement	0	0	1,686,366	3,678,752	Statement D
Total Additions	\$32,280,353	\$58,467,654	\$67,753,772	\$38,143,376	
Total Before Deductions	\$935,891,191	\$681,014,645	\$704,846,126	\$734,373,081	
<u>Deductions:</u>					
Accumulated Deferred Income Taxes	\$173,974,968	\$108,581,770	\$116,794,858	\$120,747,223	Statement J
Accumulated Investment Tax Credits	6,149,237	-	0	0	Statement D
Customer Advances	1,513,927	1,513,927	1,447,877	1,447,877	Statement D
Total Deductions	\$181,638,132	\$110,095,697	\$118,242,735	\$122,195,100	
Average Rate Base	<u>\$754,253,059</u>	<u>\$570,918,948</u>	<u>\$586,603,391</u>	<u>\$612,177,981</u>	

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023**

<u>Plant in Service</u>	<u>Adjusted 2021 Plant</u>	<u>Projected 2022 1/</u>	<u>Average 2022 1/</u>	<u>Projected 2023 2/</u>	<u>Average 2023 2/</u>
Steam Production	\$210,983,315	\$210,810,733	\$210,897,024	\$211,442,084	\$211,126,409
Other Production	110,245,411	114,681,679	112,463,545	115,172,488	114,927,084
Heskett Unit IV Gas Turbine	0	0	0	46,469,597	46,469,597
Total Production	<u>\$321,228,726</u>	<u>\$325,492,412</u>	<u>\$323,360,569</u>	<u>\$373,084,169</u>	<u>\$372,523,090</u>
Transmission	231,554,545	232,271,242	231,912,894	238,332,286	235,301,764
Distribution	308,954,293	324,618,836	316,786,565	337,618,631	331,118,734
General	21,077,443	26,771,824	23,924,635	29,234,662	28,003,243
General - Intangible	8,335,643	9,272,887	8,804,265	11,666,829	10,469,858
Common	40,581,938	41,968,895	41,275,418	44,287,043	43,127,970
Common - Intangible	19,550,680	20,185,257	19,867,969	22,479,483	21,332,370
Subtotal	<u>\$951,283,268</u>	<u>\$980,581,353</u>	<u>\$965,932,315</u>	<u>\$1,056,703,103</u>	<u>\$1,041,877,029</u>
Acquisition Adjustment	7,381,702	7,381,702	7,381,702	7,381,702	7,381,702
Total Plant in Service	<u><u>\$958,664,970</u></u>	<u><u>\$987,963,055</u></u>	<u><u>\$973,314,017</u></u>	<u><u>\$1,064,084,805</u></u>	<u><u>\$1,049,258,731</u></u>

1/ Statement B, Schedule B-1, Page 1.

2/ Statement B, Schedule B-1, Page 2.

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022**

	Adjusted 2021 Plant	Plant Additions 1/	Retirements 2/	Balance	Average 2022
Steam Production	\$210,983,315	\$2,274,824	(\$2,447,406)	\$210,810,733	\$210,897,024
Other Production	110,245,411	4,921,348	(485,080)	114,681,679	112,463,545
Total Production	\$321,228,726	\$7,196,172	(\$2,932,486)	\$325,492,412	\$323,360,569
Transmission	\$231,554,545	\$15,619,412	(\$4,492,158) 3/	\$232,271,242 4/	\$231,912,894
Distribution	\$308,954,293	\$18,939,459	(\$3,274,916)	\$324,618,836	\$316,786,565
<u>General</u>					
Other	\$6,451,573	\$2,399,781	(\$377,417)	\$8,473,937	\$7,462,755
Structures & Improvements	1,150,765	2,433,963	(67,320)	3,517,408	2,334,087
Computer Equipment	51,673	0	(3,023)	48,650	50,162
Transportation	5,335,563	1,127,449	(312,130)	6,150,882	5,743,223
Work Equipment	8,087,869	966,218	(473,140)	8,580,947	8,334,408
Total General	\$21,077,443	\$6,927,411	(\$1,233,030)	\$26,771,824	\$23,924,635
General Intangible	\$8,335,643	\$937,244	\$0	\$9,272,887	\$8,804,265
<u>Common</u>					
Other	\$7,373,128	\$1,295,708	(\$142,301)	\$8,526,535	\$7,949,832
Structures & Improvements	27,528,501	347,766	(531,300)	27,344,967	27,436,734
Computer Equipment	2,222,953	340,508	(42,903)	2,520,558	2,371,756
Vehicles	3,457,356	186,206	(66,727)	3,576,835	3,517,096
Total Common	\$40,581,938	\$2,170,188	(\$783,231)	\$41,968,895	\$41,275,418
Common Intangible	\$19,550,680	\$716,690	(\$82,113)	\$20,185,257	\$19,867,969
Acquisition Adjustment	\$7,381,702	\$0	\$0	\$7,381,702	\$7,381,702
Total Plant in Service	<u>\$958,664,970</u>	<u>\$52,506,576</u>	<u>(\$12,797,934)</u>	<u>\$987,963,055</u>	<u>\$973,314,017</u>

1/ See Schedule B-2 Page 1.

2/ Based on average retirement ratios for 2019-2021.

3/ Transmission 2021 retirement ratio utilized to reflect projected 2022 retirements.

4/ Mandan Substation (\$10,410,567) reclassified from integrated system to FERC jurisdiction during 2022.

MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2023

	Projected Year End Balance 2022	Projected 2023			Average 2023
		Plant Additions 1/	Retirements 2/	Balance	
Steam Production	\$210,810,733	\$3,076,756	(\$2,445,405)	\$211,442,084	\$211,126,409
Other Production	114,681,679	995,408	(504,599)	115,172,488	114,927,084
Heskett Unit IV Gas Turbine	0	46,469,597	0	46,469,597 4/	46,469,597 5/
Total Production	\$325,492,412	\$50,541,761	(\$2,950,004)	\$373,084,169	\$372,523,090
Transmission	\$232,271,242	\$10,567,106	(\$4,506,062) 3/	\$238,332,286	\$235,301,764
Distribution	\$324,618,836	\$16,440,755	(\$3,440,960)	\$337,618,631	\$331,118,734
<u>General</u>					
Other	\$8,473,937	\$1,996,863	(\$495,725)	\$9,975,075	\$9,224,506
Structures & Improvements	3,517,408	0	(205,768)	3,311,640	3,414,524
Computer Equipment	48,650	0	(2,846)	45,804	47,227
Transportation	6,150,882	655,143	(359,827)	6,446,198	6,298,540
Work Equipment	8,580,947	1,376,983	(501,985)	9,455,945	9,018,446
Total General	\$26,771,824	\$4,028,989	(\$1,566,151)	\$29,234,662	\$28,003,243
General - Intangible	\$9,272,887	\$2,393,942	\$0	\$11,666,829	\$10,469,858
<u>Common</u>					
Other	\$8,526,535	\$1,756,506	(\$164,562)	\$10,118,479	\$9,322,507
Structures & Improvements	27,344,967	637,489	(527,758)	27,454,698	27,399,833
Computer Equipment	2,520,558	409,368	(48,647)	2,881,279	2,700,919
Vehicles	3,576,835	324,785	(69,033)	3,832,587	3,704,711
Total Common	\$41,968,895	\$3,128,148	(\$810,000)	\$44,287,043	\$43,127,970
Common - Intangible	\$20,185,257	\$2,379,004	(\$84,778)	\$22,479,483	\$21,332,370
Acquisition Adjustment	\$7,381,702	\$0	\$0	\$7,381,702	\$7,381,702
Total Plant in Service	<u>\$987,963,055</u>	<u>\$89,479,705</u>	<u>(\$13,357,955)</u>	<u>\$1,064,084,805</u>	<u>\$1,049,258,731</u>

1/ See Schedule B-2 Page 1.

2/ Based on average retirement ratios for 2019-2021.

3/ Transmission 2021 retirement ratio utilized to reflect projected 2023 retirements.

4/ See Schedule B-2, Page 11.

5/ Heskett Unit IV Gas Turbine is presented at year end balance.

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Per Books 2021	2021 Plant Renewable Rider	2021 Plant Transmission Rider	2021 Retired Assets	Adjusted 2021 Plant
	<u>Steam Production Plant</u>					
810	<u>Heskett I & II 1/</u>					
311	Structures & Improvements	\$21,096,384			\$14,305,572	\$6,790,812
312	Boiler Plant Equipment	46,366,140			45,703,389	662,751
314	Turbogenerator Units	12,889,979			12,135,172	754,807
316	Miscellaneous Equipment	6,550,741			4,556,565	1,994,176
	Total Heskett	<u>\$89,029,064</u>			<u>\$78,826,518</u>	<u>\$10,202,546</u>
820	<u>Lewis & Clark Unit 1 2/</u>					
311	Structures & Improvements	\$121,509				\$121,509
830	<u>Coyote</u>					
311	Structures & Improvements	\$21,307,907				\$21,307,907
312	Boiler Plant Equipment	57,621,810				57,621,810
314	Turbogenerator Units	12,490,345				12,490,345
315	Accessory Equipment	5,399,276				5,399,276
316	Miscellaneous Equipment	2,683,822				2,683,822
	Total Coyote	<u>\$99,503,160</u>				<u>\$99,503,160</u>
861	<u>Big Stone</u>					
311	Structures & Improvements	\$23,097,092				\$23,097,092
312	Boiler Plant Equipment	60,583,845				60,583,845
314	Turbogenerator Units	9,664,374				9,664,374
315	Accessory Equipment	5,916,456				5,916,456
316	Miscellaneous Equipment	1,173,006				1,173,006
	Total Big Stone	<u>\$100,434,773</u>				<u>\$100,434,773</u>

1/ Excludes assets to be retired after plant closure in early 2022.

2/ Related to scrubber pond.

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Per Books 2021	2021 Plant Renewable Rider	2021 Plant Transmission Rider	2021 Retired Assets	Adjusted 2021 Plant
	<u>Steam Production</u>					
310	Land	\$721,327				\$721,327
	<u>Steam Production Plant Summary</u>					
310	Land	\$721,327			\$0	\$721,327
311	Structures & Improvements	65,622,892			14,305,572	51,317,320
312	Boiler Plant Equipment	164,571,795			45,703,389	118,868,406
314	Turbogenerator Units	35,044,698			12,135,172	22,909,526
315	Accessory Equipment	13,441,552			2,125,820	11,315,732
316	Miscellaneous Equipment	10,407,569			4,556,565	5,851,004
	Total Steam Production Plant	\$289,809,833			\$78,826,518	\$210,983,315
	<u>Other Production Plant</u>					
851	<u>Glendive Turbine Unit 1</u>					
341	Structures & Improvements	\$1,761,883				\$1,761,883
342	Fuel Holders, Producers & Acces.	891,904				891,904
344	Generators	4,842,867				4,842,867
345	Accessory Equipment	1,591,112				1,591,112
346	Miscellaneous Equipment	316,223				316,223
	Total Glendive Turbine Unit 1	\$9,403,989				\$9,403,989
850	<u>Glendive Turbine Unit 2</u>					
344	Generators	\$11,834,644				\$11,834,644
852	<u>Miles City Turbine</u>					
341	Structures & Improvements	\$273,404				\$273,404
342	Fuel Holders, Producers & Acces.	114,844				114,844
344	Generators	2,620,180				2,620,180
345	Accessory Equipment	614,232				614,232

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Per Books 2021	2021 Plant Renewable Rider	2021 Plant Transmission Rider	2021 Retired Assets	Adjusted 2021 Plant
346	Miscellaneous Equipment	\$45,053				\$45,053
	Total Miles City Turbine	\$3,667,713				\$3,667,713
855	<u>Portable Generator</u>					
341	Structures & Improvements	\$134,021				\$134,021
342	Fuel Holders, Producers & Acces.	96,626				96,626
344	Generators	888,535				888,535
345	Accessory Equipment	471,363				471,363
	Total Portable Generator	\$1,590,545				\$1,590,545
857	<u>Ormat</u>					
341	Structures & Improvements	\$498,385				\$498,385
344	Generators	8,678,508				8,678,508
345	Accessory Equipment	1,568,612				1,568,612
	Total Ormat	\$10,745,505				\$10,745,505
872	<u>Heskett Unit III Gas Turbine</u>					
341	Structures & Improvements	\$5,048,504				\$5,048,504
342	Fuel Holders, Producers & Acces.	782,372				782,372
344	Generators	26,574,769				26,574,769
345	Accessory Equipment	3,255,671				3,255,671
346	Miscellaneous Equipment	894,438				894,438
	Total Heskett Unit III Gas Turbine	\$36,555,754				\$36,555,754
872	<u>Lewis & Clark Unit II RICE</u>					
341	Structures	\$9,536,537				\$9,536,537
342	Fuel Holders, Producers & Acces.	2,121,054				2,121,054
344	Generators	18,386,907				18,386,907
345	Accessory Equipment	4,054,131				4,054,131

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Per Books 2021	2021 Plant Renewable Rider	2021 Plant Transmission Rider	2021 Retired Assets	Adjusted 2021 Plant
346	Miscellaneous Equipment	\$2,321,250				\$2,321,250
	Total Lewis & Clark II RICE	\$36,419,879				\$36,419,879
<u>Other Production</u>						
310	Land	\$27,382				\$27,382
<u>Other Production Plant Summary</u>						
340	Land	\$27,382	\$0			\$27,382
341	Structures & Improvements	47,124,433	29,871,699			17,252,734
342	Fuel Holders, Producers & Acces.	4,006,800	0			4,006,800
344	Generators	279,853,638	206,027,228			73,826,410
345	Accessory Equipment	47,575,333	36,020,212			11,555,121
346	Miscellaneous Equipment	4,244,319	667,355			3,576,964
	Total Other Production Plant	\$382,831,905	\$272,586,494			\$110,245,411
<u>Transmission Plant</u>						
350.1	Land	\$1,491,788	\$64,782			\$1,427,006
350.2	Rights of Way	2,529,118				2,529,118
352	Structures & Improvements	1,271				1,271
353	Station Equipment	134,379,290	7,435,570	\$22,876,159		104,067,561
354	Towers & Fixtures	1,190,319				1,190,319
355	Poles & Fixtures	81,460,257	297,878	16,500,444		64,661,935
356	Overhead Conductor & Devices	54,350,031	156,386	544,712		53,648,933
357	Underground Conduit	1,594,297				1,594,297
358	Underground Conductor & Devices	2,434,105				2,434,105
	Total Transmission Plant	\$279,430,476	\$7,954,616	\$39,921,315		\$231,554,545
<u>Distribution Plant</u>						
360.1	Land	\$2,787,448				\$2,787,448
360.2	Rights of Way	223,490				223,490
362	Station Equipment	61,184,975				61,184,975

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Per Books 2021	2021 Plant Renewable Rider	2021 Plant Transmission Rider	2021 Retired Assets	Adjusted 2021 Plant
364	Poles, Towers & Fixtures	\$25,915,302				\$25,915,302
365	Overhead Conductors & Devices	22,638,560				22,638,560
366	Underground Conduit	200,238				200,238
367	Underground Conductor & Devices	97,554,608				97,554,608
368	Line Transformers	53,269,662				53,269,662
369	Services	26,378,280				26,378,280
370	Meters	12,330,610				12,330,610
371	Installation on Cust. Premises	1,636,104				1,636,104
373	Street Lighting & Signal System	4,835,016				4,835,016
	Total Distribution Plant	\$308,954,293				\$308,954,293
	<u>General Plant</u>					
389	Land	\$115,287				\$115,287
390	Structures & Improvements	1,150,765				1,150,765
391.1	Office Furniture & Equipment	99,983				99,983
391.5	Computer Equip. - Other	51,673				51,673
392.1	Trans. Equip., Non-Unitized	638,164				638,164
392.2	Trans. Equip., Unitized	4,697,399				4,697,399
394.1	Tools, Shop & Garage Equip.	3,715,463				3,715,463
395	Laboratory Equipment	393,929				393,929
396.1	Trailers-Work Equipment	506,592				506,592
396.2	Power Operated Equipment	7,581,277				7,581,277
397.1	Radio Communication Equip. - Fixed	467,680				467,680
397.2	Radio Communication Equip. - Mobile	113,488				113,488
397.5	Supervisory & Telemetering Equip.	42,063				42,063
397.6	Scada System	1,217,336				1,217,336
397.8	Network Equipment	247,415				247,415
398	Miscellaneous Equipment	\$38,929				\$38,929
	Total General Plant	\$21,077,443				\$21,077,443
303	General - Intangible Plant	\$9,687,195		\$1,351,552		\$8,335,643

**MONTANA-DAKOTA UTILITIES CO.
PLANT IN SERVICE
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Per Books 2021	2021 Plant Renewable Rider	2021 Plant Transmission Rider	2021 Retired Assets	Adjusted 2021 Plant
	<u>Common Plant - Electric</u>					
389	Land	\$1,465,394				\$1,465,394
390	Structures & Improvements	27,528,501				27,528,501
391.1	Office Furniture & Equipment	1,014,216				1,014,216
391.3	Computer Equip. - PC	1,432,366				1,432,366
391.5	Computer Equip.-Other	790,587				790,587
392.1	Transport Equip.-Trailers	6,065				6,065
392.2	Transport Equip.-Vehicles	3,451,291				3,451,291
392.3	Aircraft Equipment	1,970,847				1,970,847
393	Stores Equipment	57,340				57,340
394.1	Tools, Shop & Garage Equip.	318,077				318,077
394.3	Vehicle Maintenance Equipment	17,989				17,989
397.1	Radio Communication Equip. - Fixed	1,051,048				1,051,048
397.2	Radio Communication Equip. - Mobile	463,116				463,116
397.3	General Telephone Comm. Equip.	263,766				263,766
397.5	Supervisory & Telemetering Equip.	6,063				6,063
397.8	Network Equipment	138,526				138,526
398	Miscellaneous Equipment	606,746				606,746
	Total Common Plant	<u>\$40,581,938</u>				<u>\$40,581,938</u>
303	Common - Intangible Plant	\$19,550,680				\$19,550,680
114	Acquisition Adjustment	<u>\$7,381,702</u>				<u>\$7,381,702</u>
	Total Plant in Service	<u>\$1,359,305,465</u>	<u>\$280,541,110</u>	<u>\$41,272,867</u>	<u>\$78,826,518</u>	<u>\$958,664,970</u>

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS SUMMARY
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022-2023**

	<u>2022</u>	<u>2023</u>
Steam Production	\$2,274,824	\$3,076,756
Other Production	4,921,348	995,408
Heskett Unit IV Gas Turbine	0	46,469,597 1/
Total Production	<u>\$7,196,172</u>	<u>\$50,541,761</u>
Transmission	\$15,619,412	\$10,567,106
Distribution	\$18,939,459	\$16,440,755
General		
Other	\$2,399,781	\$1,996,863
Structures & Improvements	2,433,963	0
Vehicles	1,127,449	655,143
Work Equipment	966,218	1,376,983
Total General	<u>\$6,927,411</u>	<u>\$4,028,989</u>
General - Intangible	\$937,244	\$2,393,942
Common		
Other	\$1,295,708	\$1,756,506
Structures & Improvements	347,766	637,489
Computer Equipment	340,508	409,368
Vehicles	186,206	324,785
Total Common	<u>\$2,170,188</u>	<u>\$3,128,148</u>
Common - Intangible	\$716,690	\$2,379,004
Total Additions	<u><u>\$52,506,576</u></u>	<u><u>\$89,479,705</u></u>

1/ See Statement B, Schedule B-2, Page 11.

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Project No.	Acct.	Description	2022 Plant Additions
<u>Steam Production</u>			
Coyote			
FP-100757	312	Minor Construction Projects	\$300,881
FP-302230	312	Replace Controls	137,859
FP-311351	312	Replace Cooling Tower	648,494
FP-318362	312	Replace Air Heater Cold End Basket	93,539
FP-318364	312	Replace Baghouse Bag	84,408
FP-319759	312	Replace Boiler Insulation	164,202
FP-100710	316	Minor Work Equipment	39,043
FP-318374	316	Upgrade Evergreen Ovation	26,864
		Total Coyote	<u>\$1,495,290</u>
Big Stone			
FP-100759	312	Minor Construction Projects	\$217,094
FP-315385	312	Replace Sootblower	31,831
FP-318402	312	Replace Conveyor Belt	7,924
FP-318406	312	Replace Fan Motor Rewind	75,532
FP-321442	312	Replace Scrubber Outlet Dampers	141,933
FP-318431	112	Stack Elevator	101,543
Various	316	Minor Work Equipment	157,430
		Total Big Stone	<u>\$733,287</u>
Lewis & Clark Unit I			
FP-317552	311	Savage Landfill Final Capping	\$46,247
		Total Steam Production	<u>\$2,274,824</u>
<u>Other Production</u>			
Glendive Turbine Unit 1			
FP-100881	344	Minor Construction Projects	\$146,906
FP-100888	346	Minor Work Equipment	14,328
		Total Glendive Turbine Unit 1	<u>\$161,234</u>
Miles City Turbine			
FP-100880	344	Minor Construction Projects	\$134,664
FP-100883	346	Minor Work Equipment	7,164
		Total Miles City Turbine	<u>\$141,828</u>
Ormat			
FP-100878	344	Minor Construction Projects	\$122,422
Lewis & Clark Unit II RICE			
FP-318827	341	Construct New Office Building	\$1,288,773
FP-318855	341	Upgrade Cold Storage	134,917
FP-318603	344	Minor Construction Projects	163,230
FP-321291	344	Upgrade Recondition Heads & Valves	158,333
FP-318601	346	Minor Work Equipment	7,164
FP-319716	346	Replace Wartsilla Engine Control	440,999
		Total Lewis & Clark Unit II RICE	<u>\$2,193,416</u>

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Project No.	Acct.	Description	2022 Plant Additions
Heskett Unit III Gas Turbine			
FP-318880	341	Shop Modification	\$355,571
FP-319593	344	Minor Construction Projects	163,230
FP-319592	346	Minor Work Equipment	7,164
FP-321066	346	Purchase Wheel Loader	143,276
FP-320773	346	Water Pipeline for Fire Protection	1,633,207
		Total Heskett Unit III Gas Turbine	\$2,302,448
		Total Other Production	\$4,921,348
<u>Transmission</u>			
FP-316492	353	Install Switcher at Gascoyne Substation	\$324,972
FP-319181	353	Add 230 kV Bay to Baker Substation	18,588
FP-319182	353	Construct Bay Cabin Creek 230/60 kV Substation	185,795
FP-319594	353	Electric Communication Equipment	311,190
FP-320173	353	Rebuild Beulah 115/41.6 kV Substation	4,883,162
Various	353	Install ICON Nodes	190,553
FP-321708	353	Linton Substation Demolition	375,000
FP-321712	353	Leola Gate Replacement	61,567
FP-321824	353	Transformer Repair - Dickinson	548,143
FP-322057	353	PCB Replacement - Bowman	283,991
FP-100108	353	Upgrade PCB	15,675
FP-321710	353	Replace Gate - Foxtail	83,223
		Total Account 353	\$7,281,859
FP-302569	355	Crosby to Alamo Rebuild- Phase 1	\$2,110,983
FP-318214	355	Extend Line to Watford City Substation	1,017,025
Various	355	Reroute Line to New Beulah Substation	1,517,808
Various	355	Construct Transmission Tap	1,178,398
FP-320314	355	Construct Tap Line - Hazelton	75,947
FP-321739	355	Tie Line	149,249
FP-300152	355	Reroute Beulah to Heskett	12,834
FP-304700	355	Reroute Line - Williston	1,399
FP-319110	355	Construct New Line for Heskett Unit IV	545,597
		Total Account 355	\$6,609,240
Various	356	Minor Transmission Line Projects	\$597,220
FP-316204	356	Rebuild Watford City 34.5 kV Line	841,867
FP-316380	356	Install Motor Operators and Fault Indicators	289,226
		Total Account 356	\$1,728,313
		Total Transmission	\$15,619,412
<u>Distribution</u>			
FP-101541	362	Purchase Substation Automation	\$749,585
Various	362	Minor Distribution Substations	516,824
Various	362	Replace Transformers	1,140,671
FP-316186	362	Install Transformer Mandan Substation	1,296,254
FP-317201	362	Rebuild Substation - Beulah	349,338
FP-317252	362	Rebuild Substation - Watford City	354,993

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Project No.	Acct.	Description	2022 Plant Additions
FP-320388	362	Replace Substation- Portal	\$10,577
FP-317254	362	Construct New Substation - Williston North	1,009,773
Various	362	Construct New Substation - Linton	816,220
FP-321680	362	Construct New Substation - Scranton	758,206
FP-321683	362	Construct New Substation - Lehr	291,480
FP-315469	362	Construct New Substation - Hazelton	617,556
FP-319018	362	Construct New Substation - Regent	237,436
FP-321671	362	Replace Regulators - Bismarck	115,090
Various	362	Replace Transformer & Regulators - Bismarck	411,006
FP-321318	362	Purchase Transformer Hague Substation	135,817
		Total Account 362	\$8,810,826
Various	365	Replace Overhead Lines	\$672,549
FP-321272	365	Replace Recloser - Bismarck	27,564
		Total Account 365	\$700,113
Various	367	Lines Growth	\$1,636,613
Various	367	Lines Replace	2,503,730
Various	367	Install Underground Lines	577,595
FP-315971	367	Rebuild 12.5kV Line	75,475
Various	367	Replace Underground Lines	665,558
FP-319696	367	Install Circuits	755,419
FP-321247	367	Install New Circuit	234,152
		Total Account 367	\$6,448,542
FP-301340	368	Purchase Transformers	\$1,659,090
FP-311736	368	Replace PCB Transformers	151,561
		Total Account 368	\$1,810,651
Various	369	Service Lines Growth	\$656,368
Various	369	Service Lines Replacement	139,320
		Total Account 369	\$795,688
FP-100794	370	Meters	\$247,878
Various	373	Street & Yard Lights	\$125,761
		Total Distribution	\$18,939,459
		<u>General</u>	
FP-316875	390	Construct New Office and Shop Beulah	\$249,955
FP-317154	390	Build New Warehouse Kenmare	1,220,000
FP-319040	390	Purchase Fence Kenmare	64,670
FP-321140	390	Build Equipment Storage/Training Facility - Bismarck	347,622
FP-321632	390	Install Building Access System Kenmare	20,162
FP-321685	390	Construct Substation Shop - Glendive	531,554
		Total Account 390	\$2,433,963

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Project No.	Acct.	Description	2022 Plant Additions
FP-319116	391.1	Purchase Office Furniture Kenmare	\$16,129
FP-321536	391.5	Install Dragos Hardware Sensor	8,816
		Total Office & Computer Equipment	\$24,945
Various	392.2	Vehicles	\$1,127,449
FP-321203	393	Purchase Pallet Rack and Shelving	\$14,112
FP-311912	394.1	Minor Work Equipment Substation	\$108,500
FP-318212	394.1	Communications Equipment/Tools	13,562
FP-320795	394.1	Purchase Power Recorder	16,130
FP-320990	394.1	Purchase Pole Top Rescue Dummy	2,016
FP-320992	394.1	Purchase Infrared Camera	10,081
FP-320994	394.1	Purchase Phasing Stick	3,528
FP-321108	394.1	Purchase Bantam Meter Test	20,162
FP-321112	394.1	Purchase Crimping Tool	1,008
FP-321142	394.1	Improvements for Bismarck Electric Training Yard	25,202
FP-321145	394.1	Purchase Transformers for TransBanker	18,650
FP-321159	394.1	Purchase Tools for Bismarck Electric Training Yard	14,315
FP-321258	394.1	Purchase Bird Dog Site Tester	10,081
FP-321262	394.1	Purchase High Voltage Kit	4,436
FP-321264	394.1	Purchase Single Phase Load Box	3,831
FP-321277	394.1	Purchase Neutral Testers	5,041
FP-321367	394.1	Purchase Regulator Neutral Tester	2,621
FP-321370	394.1	Purchase 6 Ton Battery Compression Tools	5,545
FP-321380	394.1	Purchase 12 Ton Battery Compression Tools	8,065
FP-321564	394.1	Purchase 12 Ton Squeeze Tool	6,553
		Total Account 394.1	\$279,327
FP-100825	396.2	Work Equipment	\$486,218
FP-321058	396.2	Purchase Digger Derrick	280,000
FP-321062	396.2	Purchase TA60 Bucket	200,000
		Total Account 396.2	\$966,218
FP-316913	397.1	SCADA/Fixed Network Equipment	\$278,709
FP-316490	397.2	Replace Mobile Radio System	1,545,136
FP-318455	397.6	Upgrade OSI EMS SCADA	179,200
Various	397.8	Network Equipment	37,524
FP-319117	397.8	Install New Network Kenmare	30,243
		Total Mobile Radio/Telephone Equipment	\$2,070,812
FP-320958	398	Purchase Fit Test Equipment	\$10,585
		Total General	\$6,927,411
		<u>General - Intangible</u>	
FP-317026	303	Upgrade Distribution SCADA System	\$746,553
FP-318714	303	Install DMS & SCADA Software	100,293
FP-312056	303	Upgrade GIS Data Addition SCADA	76,662

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Project No.	Acct.	Description	2022 Plant Additions
FP-321508	303	Upgrade TRI Software	\$13,736
		Total General - Intangible	\$937,244
<u>Common</u>			
FP-317030	390	Replace Ceiling Tiles	\$62,407
FP-317098	390	Replace Office Lighting with LED	30,549
FP-318336	390	Remodel Restrooms	199,813
FP-321158	390	Replace Garage Doors & Openers	17,010
FP-321171	390	Replace Humidifier	7,873
FP-321172	390	Replace Exhaust Fans	7,897
FP-321345	390	Replace Warehouse Lighting with LED	22,217
		Total Account 390	\$347,766
Various	391.1	Office Equipment	\$103,512
FP-100014	391.3	Toughbook Replacements	\$28,804
FP-100756	391.3	Computer Equipment	142,424
FP-311597	391.3	Itron Mobile Radio	7,785
FP-321635	391.3	Macbook PRO Replacements	2,335
FP-317563	391.5	Implement Work Asset Management Hardware	81,214
FP-321429	391.5	SAN Replacement	39,022
FP-321489	391.5	PowerSprint Server Replacement	38,924
		Total Office & Computer Equipment	\$340,508
Various	392.2	Vehicles	\$186,206
FP-318216	394.1	Communication Equipment and Tools	\$23,355
FP-321196	394.1	Purchase Locator	4,791
		Total Account 394.1	\$28,146
FP-100744	397.1	Communication Equipment	\$79,990
FP-318189	397.1	Fixed Network Equipment	79,406
FP-316128	397.2	Replace Mobile Radio System	886,908
FP-318205	397.8	IT Network Equipment	50,602
		Total Account 397	\$1,096,906
FP-319679	398	Purchase Printer	\$67,144
		Total Common	\$2,170,188
<u>Common - Intangible</u>			
FP-100575	303	Customer Self Service Web	\$38,177
FP-316051	303	Replace GIS Landbase	462,457
FP-319697	303	Upgrade CC&B	114,348
FP-321271	303	Create New Datasets for ThroughSpot	74,099
FP-321576	303	Bottomline Transform Licenses	5,839
FP-321785	303	Install Powerplan Patch	21,770
		Total Common - Intangible	\$716,690
		Total 2022 Plant Additions	\$52,506,576

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Project No.	Acct.	Description	2023 Plant Additions
<u>Steam Production</u>			
Coyote			
FP-318387	311	Add Blue Pit Capping and Phase Development	\$217,872
FP-100757	312	Minor Construction Projects	238,253
FP-318363	312	Replace Sootblowers	78,949
FP-318364	312	Replace Baghouse Bag	82,454
FP-100710	316	Minor Work Equipment	36,392
		Total Coyote	<u>\$653,920</u>
Big Stone			
FP-100759	312	Minor Construction Projects	\$165,505
FP-315385	312	Replace Sootblower	31,207
FP-318402	312	Replace Conveyor Belt	12,455
FP-321441	312	Transferhouse to Stockpile Conveyor	151,470
FP-100717	316	Minor Work Equipment	19,615
		Total Big Stone	<u>\$380,252</u>
Lewis & Clark Unit I			
FP-317552	311	Savage Landfill Final Capping	\$767,783
Heskett Units I & II			
FP-316970	312	Final Ash Slot Capping	\$1,274,801
		Total Steam Production	\$3,076,756
<u>Other Production</u>			
Glendive Turbine Unit 1			
FP-100881	344	Minor Construction Projects	\$172,015
FP-100888	346	Minor Work Equipment	14,342
		Total Glendive Turbine Unit 1	<u>\$186,357</u>
Miles City Turbine			
FP-100880	344	Minor Construction Projects	\$88,106
FP-100883	346	Minor Work Equipment	7,171
		Total Miles City Turbine	<u>\$95,277</u>
Ormat			
FP-100878	344	Minor Construction Projects	\$146,843
Lewis & Clark Unit II RICE			
FP-318835	341	Paving to New Building	\$167,821
FP-318603	344	Minor Construction Projects	167,821
FP-318601	346	Minor Work Equipment	7,171
		Total Lewis & Clark II RICE	<u>\$342,813</u>

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Project No.	Acct.	Description	2023 Plant Additions
Heskett Unit III Gas Turbine			
FP-319593	344	Minor Construction Projects	\$209,776
FP-319592	346	Minor Work Equipment	14,342
		Total Heskett Unit III Gas Turbine	<u>\$224,118</u>
Heskett Unit IV Gas Turbine			
1/			
		Total Other Production	<u>\$995,408</u>
<u>Transmission</u>			
FP-316384	353	Replace Fence	\$591,305
FP-319594	353	Communication Equipment	286,582
FP-200224	353	Replace Relay - Tioga	16,028
FP-322015	353	Construct New Bay	535,513
		Total Account 353	<u>\$1,429,428</u>
FP-307501	355	Crosby to Alamo Rebuild- Phase 2	\$1,548,187
FP-318491	355	Rebuild Line Haliday - Haliday Junction	3,763,745
FP-317237	355	Build 115kV Line to Heskett Unit III	775,511
FP-318214	355	Extend Line to Watford City Substation	295,200
Various	355	Reroute Line	1,401,458
Various	355	Reroute Line to New Beulah Substation	400,000
		Total Account 355	<u>\$8,184,101</u>
FP-100052	356	Install Lightning Protection	\$339,561
Various	356	Minor Transmission Lines	614,016
		Total Account 356	<u>\$953,577</u>
		Total Transmission	<u>\$10,567,106</u>
<u>Distribution</u>			
FP-100473	362	Install Substation Williston	\$1,364,360
FP-307655	362	Purchase Mobile Substation	2,397,849
Various	362	Minor Substations Projects	531,360
FP-101541	362	Purchase Substation Automation	770,667
FP-312174	362	Construct Fox Hill Substation - Watford City	118,384
FP-315478	362	Add Transformer - Mandan	954,683
Various	362	Replace Transformers	590,400
FP-317204	362	Rebuild Glen Ullin Substation	298,015
FP-317203	362	Rebuild Sterling Substation	297,478
		Total Account 362	<u>\$7,323,196</u>
FP-321250	364	Convert 4KV Circuits - Bismarck	\$174,224
Various	367	Lines Growth	\$1,971,936
Various	367	Lines Replace	2,408,832
FP-302488	367	Install Circuit - Bismarck	118,520
Various	367	Replace Underground Lines	279,448
Various	367	Install Underground Lines	415,059

1/ Heskett IV Gas Turbine Details on Statement B, Schedule B-2, Page 11.

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Project No.	Acct.	Description	2023 Plant Additions
FP-319934	367	Install Underground Feeder - Bismarck	\$179,367
FP-315971	367	Rebuild 12.5KV Line - Napoleon	59,573
FP-317023	367	Replace Overhead to Underground Lines - Dawson	102,943
FP-321304	367	Replace Underground Lines & Poles - Mandan	111,196
FP-321654	367	Install Underground to Loop Heskett	206,640
		Total Account 367	<u>\$5,853,514</u>
FP-301340	368	Purchase Electric Transformers	\$1,696,459
FP-311736	368	Replace PCB Transformers	108,003
		Total Account 368	<u>\$1,804,462</u>
Various	369	Service Line Growth	\$738,000
Various	369	Replace Service Line	153,504
		Total Account 369	<u>\$891,504</u>
FP-100794	370	Meters	\$258,653
Various	373	Street & Yard Lights	\$135,202
		Total Distribution	<u>\$16,440,755</u>
		<u>General</u>	
FP-100810	392.2	Vehicles	\$655,143
Various	394.1	Minor Work Equipment	\$214,564
FP-318212	394.1	Communications Equipment/Tools	13,576
		Total Account 394.1	<u>\$228,140</u>
FP-100825	396.2	Work Equipment	\$1,376,983
FP-316913	397.1	SCADA/Fixed Network Equipment	\$146,620
FP-316490	397.2	Replace Mobile Radio System	1,588,591
Various	397.8	IT Network Equipment	33,512
		Total Mobile Radio/Telephone Equipment	<u>\$1,768,723</u>
		Total General	<u>\$4,028,989</u>
		<u>General - Intangible</u>	
FP-312056	303	Upgrade GIS Data Addition SCADA	\$77,616
FP-316300	303	Install Outage Management System	2,146,511
FP-319703	303	Purchase Verve Ap	156,002
FP-321700	303	Upgrade TRI Software	13,813
		Total General - Intangible	<u>\$2,393,942</u>
		<u>Common</u>	
FP-316843	390	Replace Outdoor Lights with LED	\$18,070
FP-317038	390	Install Automated Gates	105,035
FP-318350	390	Install Sprinkler System	85,899
FP-318837	390	Replace Carpet	15,289
FP-319185	390	Add Storage Building and Substation Shop - Bismarck	212,184

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Project No.	Acct.	Description	2023 Plant Additions
FP-319788	390	Construct New Office/Warehouse - Linton	\$139,756
FP-320197	390	Remodel Engineering Area	61,256
		Total Account 390	<u>\$637,489</u>
FP-100755	391.1	Office Furniture & Equipment	\$95,441
FP-100014	391.3	Toughbook Replacements	28,833
FP-100756	391.3	Personal Computers & Peripherals	145,332
FP-311597	391.3	Itron Mobile Radio (IMR)	3,896
FP-317563	391.5	Implement Work Asset Management Hardware	74,489
FP-321633	391.5	Upgrade Conference Room Projectors	61,377
		Total Office & Computer Equipment	<u>\$409,368</u>
FP-100719	392.2	Vehicles	\$324,785
FP-317746	394.1	Tools & Minor Equipment	\$14,461
FP-318216	394.1	Communication Equipment/Tools	23,378
		Total Account 394.1	<u>\$37,839</u>
FP-100744	397.1	Communication Equipment	\$78,510
FP-318189	397.1	Fixed Network Equipment	24,936
FP-316128	397.2	Replace Mobile Radio System	1,595,740
FP-318205	397.8	IT Network Equipment	19,481
		Total Account 397	<u>\$1,718,667</u>
		Total Common	<u>\$3,128,148</u>
		<u>Common - Intangible</u>	
FP-100550	303	Upgrade Work Asset Management	\$2,159,275
FP-100575	303	Upgrade Customer Self Service Web/IVR	37,711
FP-321271	303	Create New Datasets for ThoughtSpot	33,993
FP-321544	303	Upgrade Powerplan Production	148,025
		Total Common - Intangible	<u>\$2,379,004</u>
		Total 2023 Plant Additions	<u><u>\$43,010,108</u></u>

**MONTANA-DAKOTA UTILITIES CO.
PLANT ADDITIONS- NEW GENERATION
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Heskett Unit IV Gas Turbine - Simple Cycle

	Projected 2023
Rate Base	
Plant Balance	\$46,469,597
Accumulated Depreciation	1,082,742
Net Plant in Service	<u>\$45,386,855</u>
Accumulated Deferred Income Tax 2/	<u>\$302,740</u>
Total Rate Base	<u><u>\$45,084,115</u></u>
Expenses	
Depreciation 1/	\$1,082,742
Taxes Other Than Income 3/	292,805
Insurance	#REF!
1/ Depreciation Expense	
Plant Balance	\$46,469,597
Depreciation Rate:	2.33%
Annual Depreciation:	<u>\$1,082,742</u>
2/ Accumulated Deferred Income Taxes (ADIT)	
Plant Balance:	\$46,469,597
Tax Depreciation Rate:	5.00%
Tax Depreciation:	<u>\$2,323,480</u>
Book Depreciation:	1,082,742
	<u>\$1,240,738</u>
Income Tax Rate	24.400%
Deferred Income Tax	<u>\$302,740</u>
3/ Taxes other than income	
Plant Balance:	\$46,469,597
Effective Tax Rate - Production:	0.6301%
Annual Projected Property Tax:	<u>\$292,805</u>

**MONTANA-DAKOTA UTILITIES CO.
ACCUMULATED RESERVE FOR DEPRECIATION
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023**

	Adjusted Per Books 2021 Reserve	Adjusted Average 2021 Reserve	Projected 2022 1/	Average 2022	Projected 2023 2/	Average 2023
Steam Production	\$99,383,549	\$100,423,323	\$102,039,851	\$100,711,700	\$104,703,705	\$103,371,778
Other Production	30,402,978	29,156,914	33,482,992	31,942,985	36,621,582	35,052,287
Heskett Unit IV Gas Turbine	0	0	0	0	1,082,742	1,082,742
Total Production	\$129,786,527	\$129,580,237	\$135,522,843	\$132,654,685	\$142,408,029	\$139,506,807
Transmission	63,550,092	70,043,237	61,672,859	62,611,476	61,096,336	61,384,598
Distribution	93,098,025	92,609,096	99,991,958	96,544,992	107,179,909	103,585,934
General	7,164,685	6,819,690	7,640,673	7,402,681	8,024,206	7,832,440
General - Intangible	3,734,670	3,497,019	4,756,924	4,245,797	6,199,028	5,477,976
Common	12,807,353	12,428,463	13,345,222	13,076,288	13,999,914	13,672,569
Common - Intangible	11,577,468	12,154,423	13,060,158	12,318,813	14,695,799	13,877,979
Acquisition Adjustment	7,381,181	7,377,732	7,381,181	7,381,181	7,381,181	7,381,181
Amort. - Power Plant Decomm.	(14,250)	(264,250)	(14,250)	(14,250)	633,334	309,542
Total	<u>\$329,085,751</u>	<u>\$334,245,647</u>	<u>\$343,357,568</u>	<u>\$336,221,663</u>	<u>\$361,617,736</u>	<u>\$353,029,026</u>

1/ Statement H, Schedule H-2, page 1.

2/ Statement H, Schedule H-2, page 2.

**MONTANA-DAKOTA UTILITIES CO.
ACCUMULATED RESERVE FOR DEPRECIATION
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

	Per Books 2021	Renewable Rider	Transmission Rider	Heskett Units I & II and Lewis & Clark Unit I	Adjusted 2021 Reserve
Steam Production	\$191,414,735			\$92,031,186	\$99,383,549
Other Production	107,010,041	\$76,607,063			30,402,978
Total Production	<u>\$298,424,776</u>	<u>\$76,607,063</u>	<u>\$0</u>	<u>\$92,031,186</u>	<u>\$129,786,527</u>
Transmission	65,474,956	1,071,717	853,147		63,550,092
Distribution	93,098,025				93,098,025
General	7,164,685				7,164,685
General - Intangible	3,836,006		101,336		3,734,670
Common	12,807,353				12,807,353
Common - Intangible	11,577,468				11,577,468
Acquisition Adjustment	7,381,181				7,381,181
Amort. - Power Plant Decommissioning	<u>(14,250)</u>				<u>(14,250)</u>
Total Plant Reserve	<u><u>\$499,750,200</u></u>	<u><u>\$77,678,780</u></u>	<u><u>\$954,483</u></u>	<u><u>\$92,031,186</u></u>	<u><u>\$329,085,751</u></u>

**MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF WORKING CAPITAL AND
CUSTOMER ADVANCES FOR CONSTRUCTION
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

<u>Average Working Capital</u>	<u>Average 2021</u>	<u>Average Adjusted 2021</u>	<u>Projected</u>		<u>Reference</u>
			<u>2022</u>	<u>2023</u>	
Materials and Supplies	\$13,553,047	\$13,553,047	\$13,868,468	\$13,868,468	Schedule D-1, Page 1
Fuel Stocks	2,161,846	2,161,846	1,960,046	1,960,046	Schedule D-1, Page 2
Prepaid Insurance	888,993	888,993	976,197	1,105,632	Schedule D-1, Page 3
Unamortized Loss on Debt	1,454,509	1,454,509	1,141,289	838,282	Schedule D-1, Page 4
Unamort. Redemption Cost of Pref. Stock	249,573	249,573	228,630	207,687	Schedule D-1, Page 5
(Gain)/Loss on Sale of Buildings	999,806	999,806	937,712	875,617	Schedule D-1, Page 6
Provision for Pension & Benefits	0	0	7,783,745	15,608,892	Schedule D-1, Page 7
Provision for Post Retirement	0	0	1,686,366	3,678,752	Schedule D-1, Page 8
Decommissioning of Retired Plants	(11,439)	(11,439)	0	0	Schedule D-1, Page 9
Renewable Rider Regulatory Liability 1/	(5,346,640)	0	0	0	Schedule D-1, Page 12
Lewis & Clark & Heskett Regulatory Asset 2/	18,330,658	39,171,319	39,171,319	0	Schedule D-1, Page 11
Total Average Working Capital	<u>\$32,280,353</u>	<u>\$58,467,654</u>	<u>\$67,753,772</u>	<u>\$38,143,376</u>	
Accumulated Investment Tax Credits 1/	(6,149,237)	0	0	0	
Customer Advances for Construction	<u>(\$1,513,927)</u>	<u>(\$1,513,927)</u>	<u>(\$1,447,877)</u>	<u>(\$1,447,877)</u>	Schedule D-1, Page 10

1/ Associated with the Renewable Rider, not included in the projected periods.

2/ Associated with the deferred accounting treatment of Lewis & Clark Unit I and Heskett Units I & II, moved to Generation Rider in 2023.

**MONTANA-DAKOTA UTILITIES CO.
MATERIALS AND SUPPLIES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Projected 1/ 2022 2023	
December 2020	\$12,070,343	\$16,170,813	\$16,170,813
January 2021	11,894,521	11,894,521	11,894,521
February	11,906,500	11,906,500	11,906,500
March	12,176,142	12,176,142	12,176,142
April	13,189,131	13,189,131	13,189,131
May	13,710,545	13,710,545	13,710,545
June	13,825,901	13,825,901	13,825,901
July	14,659,748	14,659,748	14,659,748
August	13,790,676	13,790,676	13,790,676
September	14,439,258	14,439,258	14,439,258
October	14,197,044	14,197,044	14,197,044
November	14,158,988	14,158,988	14,158,988
December	16,170,813	16,170,813	16,170,813
13 Month Average	<u>\$13,553,047</u>	<u>\$13,868,468</u>	<u>\$13,868,468</u>

1/ January 2022 through December 2023 are based on prior period actual results.

**MONTANA-DAKOTA UTILITIES CO.
FUEL STOCKS
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Projected 1/ 2022 2023	
December 2020	\$2,386,207	\$2,797,385	\$2,797,385
January 2021	2,306,937	1,739,721	1,739,721
February	1,979,145	1,460,958	1,460,958
March	2,307,454	1,840,092	1,840,092
April	2,197,884	1,940,406	1,940,406
May	2,086,734	1,853,957	1,853,957
June	1,918,910	1,756,946	1,756,946
July	1,514,636	1,492,030	1,492,030
August	1,684,481	1,490,390	1,490,390
September	1,806,401	1,620,480	1,620,480
October	2,273,239	2,136,462	2,136,462
November	2,744,593	2,554,385	2,554,385
December	<u>2,897,375</u>	<u>2,797,385</u>	<u>2,797,385</u>
13 Month Average	<u>\$2,161,846</u>	<u>\$1,960,046</u>	<u>\$1,960,046</u>

1/ January 2022 through December 2023 are based on prior period actual results excluding Heskett Units I & II and Lewis & Clark Unit I.

**MONTANA-DAKOTA UTILITIES CO.
PREPAID INSURANCE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Projected 1/ 2022 2023	
December 2020	\$200,379	\$252,465	\$267,701
January 2021	1,580,089	1,764,046	2,018,061
February	1,415,418	1,579,332	1,807,212
March	1,261,108	1,394,618	1,596,363
April	1,409,514	1,561,118	1,772,687
May	1,240,913	1,372,953	1,558,880
June	1,070,491	1,184,788	1,345,073
July	901,598	996,623	1,131,266
August	713,686	808,458	917,459
September	547,295	620,293	703,652
October	380,904	432,132	489,849
November	583,053	456,031	489,025
December	<u>252,465</u>	<u>267,701</u>	<u>275,990</u>
13 Month Average	<u><u>\$888,993</u></u>	<u><u>\$976,197</u></u>	<u><u>\$1,105,632</u></u>

1/ January 2022 through December 2023 are based on projected insurance expenses.

**MONTANA-DAKOTA UTILITIES CO.
UNAMORTIZED (GAIN)LOSS ON DEBT
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Unamortized Loss on Debt	Acc. Deferred Inc. Tax
Balance at December 31, 2020	\$1,616,225	(\$395,230)
Balance at December 31, 2021	1,292,793	(316,293)
Average Balance	<u>\$1,454,509</u>	<u>(\$355,762)</u>
2022 Amortization	(303,007)	74,146
Balance at December 31, 2022	989,786	(242,147)
Average Balance	<u>\$1,141,289</u>	<u>(\$279,220)</u>
2023 Amortization	(303,007)	74,146
Balance at December 31, 2023	686,779	(168,001)
Average Balance	<u>\$838,282</u>	<u>(\$205,074)</u>

**MONTANA-DAKOTA UTILITIES CO
UNAMORTIZED REDEMPTION OF PREFERRED STOCK COST
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	<u>Unamortized Loss on Preferred Stock</u>
Balance at December 31, 2020	\$260,044
Balance at December 31, 2021	239,101
Average Balance	<u>\$249,573</u>
2022 Amortization	(20,943)
Balance at December 31, 2022	218,158
Average Balance	<u>\$228,630</u>
2023 Amortization 1/	(20,943)
Balance at December 31, 2023	197,215
Average Balance	<u>\$207,687</u>

1/ Amortization period of 15 years.

**MONTANA-DAKOTA UTILITIES CO.
(GAIN)/LOSS ON SALE OF BUILDINGS
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	<u>(Gain)/Loss on Building Sale</u>	<u>Acc. Deferred Inc. Tax</u>
Balance at December 31, 2020	\$1,030,853	(\$251,579)
Balance at December 31, 2021	968,759	(236,425)
Average Balance	<u>\$999,806</u>	<u>(\$244,002)</u>
2022 Amortization 1/	(62,095)	15,151
Balance at December 31, 2022	906,664	(221,274)
Average Balance	<u>\$937,712</u>	<u>(\$228,850)</u>
2023 Amortization 1/	(62,095)	15,151
Balance at December 31, 2023	844,569	(206,123)
Average Balance	<u>\$875,617</u>	<u>(\$213,699)</u>

1/ Amortization period of 20 years.

**MONTANA-DAKOTA UTILITIES CO.
PROVISION FOR PENSIONS AND BENEFITS
ACCUMULATED DEFERRED INCOME TAXES ON PENSIONS
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Total	Provision for Pensions and Benefits	DIT on Pensions and Benefits
Balance at December 31, 2020	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Balance at December 31, 2021	<u>0</u>	<u>0</u>	<u>0</u>
Average Balance 2021	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>
Balance at December 31, 2022	<u>11,539,933</u>	<u>15,567,489</u>	<u>(4,027,556)</u>
Average Balance 2022	<u><u>\$5,769,967</u></u>	<u><u>\$7,783,745</u></u>	<u><u>(\$2,013,778)</u></u>
Balance at December 31, 2023	<u>11,602,530</u>	<u>15,650,294</u>	<u>(4,047,764)</u>
Average Balance 2023	<u><u>\$11,571,232</u></u>	<u><u>\$15,608,892</u></u>	<u><u>(\$4,037,660)</u></u>

**MONTANA-DAKOTA UTILITIES CO.
PROVISION FOR POST RETIREMENT
ACCUMULATED DEFERRED POST RETIREMENT
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Total	Provision for Post Retirement	DIT for Post Retirement
Balance at December 31, 2020	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Balance at December 31, 2021	<u>0</u>	<u>0</u>	<u>0</u>
Average Balance 2021	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Balance at December 31, 2022	<u>2,517,507</u>	<u>3,372,731</u>	<u>(855,224)</u>
Average Balance 2022	<u>\$1,258,754</u>	<u>\$1,686,366</u>	<u>(\$427,612)</u>
Balance at December 31, 2023	<u>2,980,181</u>	<u>3,984,773</u>	<u>(1,004,592)</u>
Average Balance 2023	<u>\$2,748,844</u>	<u>\$3,678,752</u>	<u>(\$929,908)</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
DECOMMISSIONING OF RETIRED PLANTS
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023**

	North Dakota	DIT for Retired Plants
Balance at December 31, 2020	(\$22,878)	(\$5,582)
Balance at December 31, 2021	0	0
Average Balance 2021	(\$11,439)	(\$2,791)
Amortization 1/	0	0
Balance at December 31, 2022	0	0
Average Balance 2022	\$0	\$0
Amortization 1/	0	0
Balance at December 31, 2023	0	0
Average Balance 2023	\$0	\$0

1/ Amortization of balance complete in 2021.

**MONTANA-DAKOTA UTILITIES CO.
CUSTOMER ADVANCES FOR CONSTRUCTION
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Projected 1/ 2022 2023	
December 2020	(\$2,051,080)	(\$1,192,431)	(\$1,192,431)
January 2021	(2,035,305)	(2,035,305)	(2,035,305)
February	(2,035,305)	(2,035,305)	(2,035,305)
March	(1,510,687)	(1,510,687)	(1,510,687)
April	(1,362,652)	(1,362,652)	(1,362,652)
May	(1,363,730)	(1,363,730)	(1,363,730)
June	(1,408,750)	(1,408,750)	(1,408,750)
July	(1,408,750)	(1,408,750)	(1,408,750)
August	(1,410,275)	(1,410,275)	(1,410,275)
September	(1,365,878)	(1,365,878)	(1,365,878)
October	(1,247,365)	(1,247,365)	(1,247,365)
November	(1,288,842)	(1,288,842)	(1,288,842)
December	<u>(1,192,431)</u>	<u>(1,192,431)</u>	<u>(1,192,431)</u>
13 Month Average	<u>(\$1,513,927)</u>	<u>(\$1,447,877)</u>	<u>(\$1,447,877)</u>
ADIT	\$500,577	\$291,012 2/	\$291,012 2/

1/ January 2022 through December 2023 are based on prior period actual results.

2/ Based on projected year end balance.

**MONTANA-DAKOTA UTILITIES CO.
LEWIS & CLARK UNIT I & HESKETT UNITS I & II REGULATORY ASSET
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021**

	Per Books 2021	Projected 1/ 2022 2023	
December 2020	\$0	\$25,931,895	\$0
January 2021	0	25,508,370	0
February	0	25,169,121	0
March	0	45,812,974	0
April	27,581,379	44,523,353	0
May	27,263,982	43,821,607	0
June	26,920,918	43,732,719	0
July	26,448,692	42,966,038	0
August	26,158,892	41,919,591	0
September	25,918,661	42,110,934	0
October	25,910,983	41,849,101	0
November	26,163,150	43,273,928	0
December	25,931,895	42,607,515	0
13 Month Average	<u>\$18,330,658</u>	<u>\$39,171,319</u>	<u>\$0</u>

1/ Projected Heskett Unit I & II Regulatory Asset amortization begins March 2022. Effective January 2023 Regulatory Asset balance will be recovered in the Generation Rider.

**MONTANA-DAKOTA UTILITIES CO.
RENEWABLE RIDER REGULATORY LIABILITY
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021**

	Per Books 2021
December 2020	(\$2,891,820)
January 2021	(3,335,575)
February	(3,767,753)
March	(4,234,153)
April	(4,606,928)
May	(4,928,589)
June	(5,308,494)
July	(5,727,540)
August	(6,189,321)
September	(6,573,294)
October	(6,935,190)
November	(7,282,415)
December	(7,725,242)
13 Month Average	<u>(\$5,346,640)</u>

**MONTANA-DAKOTA UTILITIES CO.
AVERAGE UTILITY CAPITAL STRUCTURE
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Balance	Ratio	Cost	Required Return
<u>Per Books 2021</u>				
Long-Term Debt 1/	\$817,895,524	45.750%	4.464%	2.042%
Short-Term Debt 2/	87,608,333	4.900%	0.689%	0.034%
Common Equity 3/	882,266,299	49.350%	10.500%	5.182%
Total	<u>\$1,787,770,156</u>	<u>100.000%</u>		<u>7.258%</u>
 <u>Projected 2022</u>				
Long-Term Debt 1/	\$855,381,685	46.688%	4.506%	2.104%
Short-Term Debt 2/	46,259,122	2.525%	3.079%	0.078%
Common Equity 3/	930,461,809	50.787%	10.500%	5.333%
Total	<u>\$1,832,102,616</u>	<u>100.000%</u>		<u>7.515%</u>
 <u>Projected 2023</u>				
Long-Term Debt 1/	\$855,366,993	44.587%	4.503%	2.008%
Short-Term Debt 2/	88,310,647	4.603%	3.684%	0.170%
Common Equity 3/	974,746,912	50.810%	10.500%	5.335%
Total	<u>\$1,918,424,552</u>	<u>100.000%</u>		<u>7.513%</u>

- 1/ Schedule E-1, page 1.
2/ Schedule E-2, page 1.
3/ Schedule E-3, page 1.

**MONTANA-DAKOTA UTILITIES CO.
AVERAGE LONG-TERM DEBT
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Balance Outstanding	Annual Cost	Adjusted Embedded Cost
Balance at 12/31/2020	\$780,401,962 1/	\$34,462,677	4.416%
Balance at 12/31/2021	\$855,000,000	\$38,490,190	4.502%
Minot Air Force Base Payable	389,086	23,345	6.000%
Amortization of Gain/Loss		43,468 2/	
Total @ 12/31/2021	<u>\$855,389,086</u>	<u>\$38,557,003</u>	<u>4.508%</u>
Average @ 12/31/2021	<u>\$817,895,524</u>	<u>\$36,509,840</u>	<u>4.464%</u>
Balance at 12/31/2022	\$855,000,000	\$38,490,190	4.502%
Minot Air Force Base Payable	374,283	22,457	6.000%
Amortization of Gain/Loss		18,117 2/	
Total @ 12/31/2022	<u>\$855,374,283</u>	<u>\$38,530,764</u>	<u>4.505%</u>
Average @ 12/31/2022	<u>\$855,381,685</u>	<u>\$38,543,884</u>	<u>4.506%</u>
Balance at 12/31/2023	\$855,000,000	\$38,490,190	4.502%
Minot Air Force Base Payable	359,702	21,582	6.000%
Amortization of Gain/Loss		0 2/	
Total @ 12/31/2023	<u>\$855,359,702</u>	<u>\$38,511,772</u>	<u>4.502%</u>
Average @ 12/31/2023	<u>\$855,366,993</u>	<u>\$38,521,268</u>	<u>4.503%</u>

1/ A \$50 Million Short-Term Note outstanding at 12/31/2020 was converted to a Long-Term Note during 2021. The Short-Term Note is presented as a Long-Term Note as of 12/31/2020.
2/ Schedule E-4, page 1.

**MONTANA-DAKOTA UTILITIES CO.
LONG-TERM DEBT CAPITAL
DECEMBER 31, 2021**

Description	Date of Issuance	Date of Maturity	Interest Rate	Principal Amount of Issue	Gross Proceeds	Underwriters' Commission		Loss on Reacquisition Redemption and Issuance Expense	
						Amount	% Gross Proceeds	Amount	% Gross Proceeds
<u>Unsecured Long-Term Debt</u>									
5.98% - Senior Note	12/15/03	12/15/33	5.980%	\$30,000,000	\$30,000,000	\$624,465	2.082%	\$0	0.000%
6.33% - Senior Note	08/24/06	08/24/26	6.330%	100,000,000	100,000,000	344,061	0.344%	10,532,009	10.532%
5.18% - Senior Note	04/15/14	04/15/44	5.180%	50,000,000	50,000,000	239,178	0.478%	0	0.000%
4.24% - Senior Note	07/15/14	07/15/24	4.240%	60,000,000	60,000,000	291,263	0.485%	0	0.000%
4.34% - Senior Note	07/15/14	07/15/26	4.340%	40,000,000	40,000,000	197,042	0.493%	0	0.000%
3.78% - Senior Note	10/29/15	10/30/25	3.780%	87,000,000	87,000,000	471,997	0.543%	0	0.000%
4.87% - Senior Note	10/29/15	10/30/45	4.870%	11,000,000	11,000,000	59,461	0.541%	0	0.000%
4.03% - Senior Note	12/10/15	12/10/30	4.030%	52,000,000	52,000,000	286,355	0.551%	0	0.000%
4.15% - Senior Note	11/21/16	11/21/46	4.150%	40,000,000	40,000,000	226,084	0.565%	0	0.000%
3.73% - Senior Note	03/21/17	03/21/37	3.730%	40,000,000	40,000,000	173,637	0.434%	0	0.000%
3.36% - Senior Note	03/21/17	03/21/32	3.360%	20,000,000	20,000,000	86,071	0.430%	0	0.000%
3.66% - Senior Note	10/17/19	10/17/39	3.660%	50,000,000	50,000,000	234,202	0.468%	0	0.000%
3.98% - Senior Note	10/17/19	10/17/49	3.980%	50,000,000	50,000,000	234,202	0.468%	0	0.000%
4.08% - Senior Note	11/18/19	11/18/59	4.080%	100,000,000	100,000,000	435,969	0.436%	0	0.000%
3.21% - Senior Note	09/15/21	09/15/51	3.210%	55,000,000	55,000,000	265,095	0.482%	0	0.000%
3.31% - Senior Note	09/15/21	09/15/61	3.310%	20,000,000	20,000,000	96,432	0.482%	0	0.000%
3.21% - Senior Note	12/15/21	12/15/51	3.210%	50,000,000	50,000,000	212,363	0.425%	0	0.000%
Total Long-Term Debt Capital				\$855,000,000	\$855,000,000	\$4,477,877		\$10,532,009	

<u>Description</u>	<u>Net Proceeds</u>		<u>Cost of Money 1/</u>	<u>Principal Outstanding</u>	<u>Annual Cost</u>	<u>Embedded Cost</u>
	<u>Amount</u>	<u>Per Unit</u>				
<u>Unsecured Long-Term Debt</u>						
5.98% - Senior Note	\$29,375,535	97.918%	6.210%	\$30,000,000	\$1,863,000	
6.33% - Senior Note	89,123,930	89.124%	7.514%	100,000,000	7,514,000	
5.18% - Senior Note	49,760,822	99.522%	5.280%	50,000,000	2,640,000	
4.24% - Senior Note	59,708,737	99.515%	4.346%	60,000,000	2,607,600	
4.34% - Senior Note	39,802,958	99.507%	4.442%	40,000,000	1,776,800	
3.78% - Senior Note	86,528,003	99.457%	3.883%	87,000,000	3,378,210	
4.87% - Senior Note	10,940,539	99.459%	4.964%	11,000,000	546,040	
4.03% - Senior Note	51,713,645	99.449%	4.122%	52,000,000	2,143,440	
4.15% - Senior Note	39,773,916	99.435%	4.228%	40,000,000	1,691,200	
3.73% - Senior Note	39,826,363	99.566%	3.797%	40,000,000	1,518,800	
3.36% - Senior Note	19,913,929	99.570%	3.425%	20,000,000	685,000	
3.66% - Senior Note	49,765,798	99.532%	3.728%	50,000,000	1,864,000	
3.98% - Senior Note	49,765,798	99.532%	4.046%	50,000,000	2,023,000	
4.08% - Senior Note	99,564,031	99.564%	4.144%	100,000,000	4,144,000	
3.21% - Senior Note	54,734,905	99.518%	3.262%	55,000,000	1,794,100	
3.31% - Senior Note	19,903,568	99.518%	3.360%	20,000,000	672,000	
3.21% - Senior Note	49,787,637	99.575%	3.258%	50,000,000	1,629,000	
Total Long-Term Debt Capital	\$839,990,114			\$855,000,000	\$38,490,190	4.502%

1/ Yield to maturity based upon the life, net proceeds, and semiannual compounding of stated interest rate.

**MONTANA-DAKOTA UTILITIES CO.
LONG-TERM DEBT CAPITAL
PROJECTED DECEMBER 31, 2022**

Description	Date of Issuance	Date of Maturity	Interest Rate	Principal Amount of Issue	Gross Proceeds	Underwriters' Commission		Loss on Reacquisition Redemption and Issuance Expense	
						Amount	% Gross Proceeds	Amount	% Gross Proceeds
Unsecured Long-Term Debt:									
5.98% - Senior Note	12/15/03	12/15/33	5.980%	\$30,000,000	\$30,000,000	\$624,465	2.082%	\$0	0.000%
6.33% - Senior Note	08/24/06	08/24/26	6.330%	100,000,000	100,000,000	344,061	0.344%	10,532,009	10.532%
5.18% - Senior Note	04/15/14	04/15/44	5.180%	50,000,000	50,000,000	239,178	0.478%	0	0.000%
4.24% - Senior Note	07/15/14	07/15/24	4.240%	60,000,000	60,000,000	291,263	0.485%	0	0.000%
4.34% - Senior Note	07/15/14	07/15/26	4.340%	40,000,000	40,000,000	197,042	0.493%	0	0.000%
3.78% - Senior Note	10/29/15	10/30/25	3.780%	87,000,000	87,000,000	471,997	0.543%	0	0.000%
4.87% - Senior Note	10/29/15	10/30/45	4.870%	11,000,000	11,000,000	59,461	0.541%	0	0.000%
4.03% - Senior Note	12/10/15	12/10/30	4.030%	52,000,000	52,000,000	286,355	0.551%	0	0.000%
4.15% - Senior Note	11/21/16	11/21/46	4.150%	40,000,000	40,000,000	226,084	0.565%	0	0.000%
3.73% - Senior Note	03/21/17	03/21/37	3.730%	40,000,000	40,000,000	173,637	0.434%	0	0.000%
3.36% - Senior Note	03/21/17	03/21/32	3.360%	20,000,000	20,000,000	86,071	0.430%	0	0.000%
3.66% - Senior Note	10/17/19	10/17/39	3.660%	50,000,000	50,000,000	234,202	0.468%	0	0.000%
3.98% - Senior Note	10/17/19	10/17/49	3.980%	50,000,000	50,000,000	234,202	0.468%	0	0.000%
4.08% - Senior Note	11/18/19	11/18/59	4.080%	100,000,000	100,000,000	435,969	0.436%	0	0.000%
3.21% - Senior Note	09/15/21	09/15/51	3.210%	55,000,000	55,000,000	265,095	0.482%	0	0.000%
3.31% - Senior Note	09/15/21	09/15/61	3.310%	20,000,000	20,000,000	96,432	0.482%	0	0.000%
3.21% - Senior Note	12/15/21	12/15/51	3.210%	50,000,000	50,000,000	212,363	0.425%	0	0.000%
Total Long-Term Debt Capital				<u>\$855,000,000</u>	<u>\$855,000,000</u>	<u>\$4,477,877</u>		<u>\$10,532,009</u>	

Description	Net Proceeds		Cost of Money 1/	Principal Outstanding	Annual Cost	Embedded Cost
	Amount	Per Unit				
Unsecured Long-Term Debt:						
5.98% - Senior Note	\$29,375,535	97.918%	6.210%	\$30,000,000	\$1,863,000	
6.33% - Senior Note	89,123,930	89.124%	7.514%	100,000,000	7,514,000	
5.18% - Senior Note	49,760,822	99.522%	5.280%	50,000,000	2,640,000	
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3.73% - Senior Note	39,826,363	99.566%	3.797%	40,000,000	1,518,800	
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3.66% - Senior Note	49,765,798	99.532%	3.728%	50,000,000	1,864,000	
3.98% - Senior Note	49,765,798	99.532%	4.046%	50,000,000	2,023,000	
4.08% - Senior Note	99,564,031	99.564%	4.144%	100,000,000	4,144,000	
3.21% - Senior Note	54,734,905	99.518%	3.262%	55,000,000	1,794,100	
3.31% - Senior Note	19,903,568	99.518%	3.360%	20,000,000	672,000	
3.21% - Senior Note	49,787,637	99.575%	3.258%	50,000,000	1,629,000	
Total Long-Term Debt Capital	<u>\$839,990,114</u>			<u>\$855,000,000</u>	<u>\$38,490,190</u>	<u>4.502%</u>

1/ Yield to maturity based upon the life, net proceeds, and semiannual compounding of stated interest rate.

**MONTANA-DAKOTA UTILITIES CO.
LONG-TERM DEBT CAPITAL
PROJECTED DECEMBER 31, 2023**

Description	Date of Issuance	Date of Maturity	Interest Rate	Principal Amount of Issue	Gross Proceeds	Underwriters' Commission		Loss on Reacquisition Redemption and Issuance Expense	
						Amount	% Gross Proceeds	Amount	% Gross Proceeds
<u>Unsecured Long-Term Debt</u>									
5.98% - Senior Note	12/15/03	12/15/33	5.980%	\$30,000,000	\$30,000,000	\$624,465	2.082%	\$0	0.000%
6.33% - Senior Note	08/24/06	08/24/26	6.330%	100,000,000	100,000,000	344,061	0.344%	10,532,009	10.532%
5.18% - Senior Note	04/15/14	04/15/44	5.180%	50,000,000	50,000,000	239,178	0.478%	0	0.000%
4.24% - Senior Note	07/15/14	07/15/24	4.240%	60,000,000	60,000,000	291,263	0.485%	0	0.000%
4.34% - Senior Note	07/15/14	07/15/26	4.340%	40,000,000	40,000,000	197,042	0.493%	0	0.000%
3.78% - Senior Note	10/29/15	10/30/25	3.780%	87,000,000	87,000,000	471,997	0.543%	0	0.000%
4.87% - Senior Note	10/29/15	10/30/45	4.870%	11,000,000	11,000,000	59,461	0.541%	0	0.000%
4.03% - Senior Note	12/10/15	12/10/30	4.030%	52,000,000	52,000,000	286,355	0.551%	0	0.000%
4.15% - Senior Note	11/21/16	11/21/46	4.150%	40,000,000	40,000,000	226,084	0.565%	0	0.000%
3.73% - Senior Note	03/21/17	03/21/37	3.730%	40,000,000	40,000,000	173,637	0.434%	0	0.000%
3.36% - Senior Note	03/21/17	03/21/32	3.360%	20,000,000	20,000,000	86,071	0.430%	0	0.000%
3.66% - Senior Note	10/17/19	10/17/39	3.660%	50,000,000	50,000,000	234,202	0.468%	0	0.000%
3.98% - Senior Note	10/17/19	10/17/49	3.980%	50,000,000	50,000,000	234,202	0.468%	0	0.000%
4.08% - Senior Note	11/18/19	11/18/59	4.080%	100,000,000	100,000,000	435,969	0.436%	0	0.000%
3.21% - Senior Note	09/15/21	09/15/51	3.210%	55,000,000	55,000,000	265,095	0.482%	0	0.000%
3.31% - Senior Note	09/15/21	09/15/61	3.310%	20,000,000	20,000,000	96,432	0.482%	0	0.000%
3.21% - Senior Note	12/15/21	12/15/51	3.210%	50,000,000	50,000,000	212,363	0.425%	0	0.000%
Total Long-Term Debt Capital				\$855,000,000	\$855,000,000	\$4,477,877		\$10,532,009	

<u>Description</u>	<u>Net Proceeds</u>		<u>Cost of Money 1/</u>	<u>Principal Outstanding</u>	<u>Annual Cost</u>	<u>Embedded Cost</u>
	<u>Amount</u>	<u>Per Unit</u>				
<u>Unsecured Long-Term Debt</u>						
5.98% - Senior Note	\$29,375,535	97.918%	6.210%	\$30,000,000	\$1,863,000	
6.33% - Senior Note	89,123,930	89.124%	7.514%	100,000,000	7,514,000	
5.18% - Senior Note	49,760,822	99.522%	5.280%	50,000,000	2,640,000	
4.24% - Senior Note	59,708,737	99.515%	4.346%	60,000,000	2,607,600	
4.34% - Senior Note	39,802,958	99.507%	4.442%	40,000,000	1,776,800	
3.78% - Senior Note	86,528,003	99.457%	3.883%	87,000,000	3,378,210	
4.87% - Senior Note	10,940,539	99.459%	4.964%	11,000,000	546,040	
4.03% - Senior Note	51,713,645	99.449%	4.122%	52,000,000	2,143,440	
4.15% - Senior Note	39,773,916	99.435%	4.228%	40,000,000	1,691,200	
3.73% - Senior Note	39,826,363	99.566%	3.797%	40,000,000	1,518,800	
3.36% - Senior Note	19,913,929	99.570%	3.425%	20,000,000	685,000	
3.66% - Senior Note	49,765,798	99.532%	3.728%	50,000,000	1,864,000	
3.98% - Senior Note	49,765,798	99.532%	4.046%	50,000,000	2,023,000	
4.08% - Senior Note	99,564,031	99.564%	4.144%	100,000,000	4,144,000	
3.21% - Senior Note	54,734,905	99.518%	3.262%	55,000,000	1,794,100	
3.31% - Senior Note	19,903,568	99.518%	3.360%	20,000,000	672,000	
3.21% - Senior Note	49,787,637	99.575%	3.258%	50,000,000	1,629,000	
Total Long-Term Debt Capital	<u>\$839,990,114</u>			<u>\$855,000,000</u>	<u>\$38,490,190</u>	4.502%

1/ Yield to maturity based upon the life, net proceeds, and semiannual compounding of stated interest rate.

**MONTANA-DAKOTA UTILITIES CO.
AVERAGE SHORT-TERM DEBT
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Balance Outstanding	Annual Cost	Average Cost
<u>2021</u>			
Average Balance 1/	\$87,608,333 3/	\$226,528	0.259%
Amortization of Fees 2/		376,784	
Total	<u>\$87,608,333</u>	<u>\$603,312</u>	<u>0.689%</u>
<u>Projected 2022</u>			
Average Balance 1/	\$46,259,122	\$1,043,507	2.256%
Amortization of Fees 2/		381,037	
Total	<u>\$46,259,122</u>	<u>\$1,424,544</u>	<u>3.079%</u>
<u>Projected 2023</u>			
Average Balance 1/	\$88,310,647	\$2,872,303	3.252%
Amortization of Fees 2/		381,037	
Total	<u>\$88,310,647</u>	<u>\$3,253,340</u>	<u>3.684%</u>

1/ Twelve month average balance.

2/ Negotiation and commitment fees.

3/ A \$50 Million Short-Term Note outstanding at 12/31/2020 was converted to a Long-Term Note during 2021. The Short-Term Note is presented as a Long-Term Note as of 12/31/2020.

**MONTANA-DAKOTA UTILITIES CO.
AVERAGE UTILITY COMMON EQUITY
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

<u>Description</u>	<u>Amount</u>
Common Equity - 12/31/2020	\$861,306,261
Common Equity - 12/31/2021	903,226,336
Average @ 12/31/2021	<u>\$882,266,299</u>
Common Equity - 12/31/2022	957,697,282
Average @ 12/31/2022	<u>\$930,461,809</u>
Common Equity - 12/31/2023	991,796,542
Average @ 12/31/2023	<u>\$974,746,912</u>

**MONTANA-DAKOTA UTILITIES CO.
AMORTIZATION OF LOSS ON REACQUIRED DEBT
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	<u>Amortization</u>
<u>Acct. 1890 - Unamortized Loss</u>	
PCN Notes Loss/Unamortized Expense - 2021	\$43,468
PCN Notes Loss/Unamortized Expense - 2022	18,117
PCN Notes Loss/Unamortized Expense - 2023	0

MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF REVENUES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023

	Per Books 2021 1/	Adjusted 2021	Projected 2/ 2022 2023	
<u>Retail Sales</u>				
Residential	\$80,544,296	\$66,847,539	\$68,997,843	\$69,769,528
Small General	11,690,901	9,983,535	10,286,809	10,414,218
Large General	104,112,355	85,196,563	87,754,016	88,497,679
Municipal Lighting	1,137,108	937,863	969,807	980,235
Municipal Pumping	3,456,426	2,716,602	2,841,633	2,878,349
Outdoor Lighting	405,653	347,284	359,039	362,968
Unbilled Revenue	(7,350,507)	1,448,646		
Reserve for Refunds	(8)	(8)		
Total Sales	<u>\$193,996,224</u>	<u>\$167,478,024</u>	<u>\$171,209,147</u>	<u>\$172,902,977</u>
 Sales for Resale 3/	 \$ 1,185,619	 \$ 1,185,619	 \$ -	 \$ -
<u>Other Revenue</u>				
Misc. Service Revenue	\$78,490	\$78,490	\$89,055	\$89,055
Rent from Property	2,666,413	2,666,413	2,627,759	2,627,759
Other Revenue	15,708,396	2,800,441	1,179,606	1,181,351
Total Other Revenue	<u>\$18,453,299</u>	<u>\$5,545,344</u>	<u>\$3,896,420</u>	<u>\$3,898,165</u>
 Total Operating Revenue	 <u><u>\$213,635,142</u></u>	 <u><u>\$174,208,987</u></u>	 <u><u>\$175,105,567</u></u>	 <u><u>\$176,801,142</u></u>

1/ Per Books 2021 includes total revenue received, including the Generation Rider, Renewable Rider and the Transmission Rider.

2/ Projected revenue excludes the Riders.

3/ No projected sales for resale revenue is included as it is returned through the Fuel and Purchased Power Adjustment.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
RETAIL SALES REVENUES
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	
	Kwh	Revenue
<u>Retail Sales</u>		
Residential	745,873,642	\$80,544,296
Small General	92,992,240	11,690,901
Large General	1,173,455,374	104,112,355
Municipal Lighting	13,308,332	1,137,108
Municipal Pumping	45,866,583	3,456,426
Outdoor Lighting	3,895,692	405,653
Unbilled Revenue		(7,350,507)
Reserve for Refunds		(8)
Total	<u>2,075,391,863</u>	<u>\$193,996,224</u>

	Per Books 2021 Revenue	Renewable Rider	Transmission Rider	Adjusted 2021
<u>Retail Sales</u>				
Residential	\$80,544,296	\$7,702,375	\$5,994,382	\$66,847,539
Small General	11,690,901	960,147	747,219	9,983,535
Large General	104,112,355	11,389,613	7,526,179	85,196,563
Municipal Lighting	1,137,108	157,553	41,692	937,863
Municipal Pumping	3,456,426	445,633	294,191	2,716,602
Outdoor Lighting	405,653	46,155	12,214	347,284
Unbilled Revenue	(7,350,507)	(6,079,237)	(2,719,916)	1,448,646
Reserve for Refunds	(8)			(8)
Total	<u>193,996,224</u>	<u>\$14,622,239</u>	<u>\$11,895,961</u>	<u>\$167,478,024</u>

	Projected 2022	
	Kwh	Revenue 1/
<u>Retail Sales</u>		
Residential	761,663,899	\$68,997,843
Small General	94,813,321	10,286,809
Large General	1,187,142,427	87,754,016
Municipal Lighting	13,308,332	969,807
Municipal Pumping	45,866,583	2,841,633
Outdoor Lighting	3,983,138	359,039
Total	<u>2,106,777,700</u>	<u>\$171,209,147</u>

	Projected 2023	
	Kwh	Revenue 1/
<u>Retail Sales</u>		
Residential	763,404,470	\$69,769,528
Small General	95,014,507	10,414,218
Large General	1,180,693,543	88,497,679
Municipal Lighting	13,308,332	980,235
Municipal Pumping	45,866,583	2,878,349
Outdoor Lighting	3,992,165	362,968
Total	<u>2,102,279,600</u>	<u>\$172,902,977</u>

1/ Projected revenue is based on projected Kwh at current rates excluding the current Rider rates. See Statement F, Schedule F-1, Pages 7-10.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenue Analysis by Tariffed Rate
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Summary of Total Revenue			
	Per Books	Current Rates	Projected 2022	Projected 2023
Residential Service				
Rate 10	\$80,526,800	\$69,609,410	\$68,983,960	\$69,755,486
Rate 13	10,926	8,948	8,623	8,727
Rate 16	6,570	5,433	5,260	5,315
Total Residential	80,544,296	69,623,791	68,997,843	69,769,528
Small General Service				
Rate 20	\$11,005,435	\$9,740,759	\$9,702,805	\$9,824,911
Rate 25	108,721	102,637	98,772	100,003
Rate 26	240,159	211,308	206,530	208,051
Rate 40	336,586	286,716	278,702	281,253
Total Small General	11,690,901	10,341,420	10,286,809	10,414,218
General Service				
Rate 30 Secondary	\$69,208,000	\$60,259,904	\$59,848,384	\$60,580,979
Rate 30 Primary	18,049,723	15,044,925	14,775,995	14,563,657
Rate 30 Contracts				
Tesoro	6,247,569	4,976,907	4,793,230	4,874,206
Sabin	1,820,892	1,467,133	1,416,601	1,438,878
Rate 31 Primary	192,459	160,620	156,011	158,043
Rate 31 Secondary	1,430,012	1,276,756	1,159,701	1,173,919
Rate 32 Secondary	4,330,733	3,617,943	3,553,797	3,608,230
Rate 34	0	0		
Rate 38	1,902,396	1,597,134	1,295,300	1,518,296
Capitol	725,126	592,069	573,115	581,471
Contract (Amer Coll)	205,445	187,622	181,882	0
Total General	104,112,355	89,181,013	87,754,016	88,497,679
Municipal Lighting Service				
Rate 41 Secondary	\$1,043,593	\$920,064	\$890,337	\$899,801
Rate 41 Primary	93,515	81,655	79,470	80,434
Total Municipal Light	1,137,108	1,001,719	969,807	980,235
Municipal Pumping Service				
Rate 48 Secondary	\$1,914,104	\$1,661,448	\$1,606,701	\$1,624,130
Rate 48 Primary	1,542,322	1,278,680	1,234,932	1,254,219
Total Municipal Pumping	3,456,426	2,940,128	2,841,633	2,878,349
Outdoor Lighting Service				
Rate 52 Secondary	\$402,279	\$357,702	\$356,126	\$360,027
Rate 52 Primary	3,374	2,976	2,913	2,941
Total Outdoor Light	405,653	360,678	359,039	362,968
Total North Dakota	\$201,346,739	\$173,448,749	\$171,209,147	\$172,902,977

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenue Analysis by Tariffed Rate
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Per Books 12/31/21			Per Books @ Current Rates		
	Billing Units	Kwh	Billed KW	Billing Units	Kwh	Billed KW
Residential Service						
Rate 10	79,576	745,670,271		79,576	745,670,271	
Rate 13	4	132,692		4	132,692	
Rate 16	4	70,679		4	70,679	
Total Residential	79,584	745,873,642		79,584	745,873,642	
Small General Service						
Rate 20	10,162	86,193,535		10,162	86,193,535	
Rate 25	49	1,577,312	10,040.6	49	1,577,312	10,040.6
Rate 26	270	1,950,557		270	1,950,557	
Rate 40	271	3,270,836	7,220.9	271	3,270,836	7,220.9
Total Small General	10,752	92,992,240	17,261.5	10,752	92,992,240	17,261.5
General Service						
Rate 30 Secondary	4,434	704,853,594	2,149,664.7	4,434	704,853,594	2,149,664.7
Rate 30 Primary	39	232,863,274	508,043.9	39	232,863,274	508,043.9
Rate 30 Contracts						
Tesoro	1	98,750,754	161,517.3	1	98,750,754	161,517.3
Sabin	1	27,167,840	55,224.9	1	27,167,840	55,224.9
Rate 31 Primary 1/	1	2,478,000	4,869.6	1	2,478,000	4,869.6
Rate 31 Secondary 1/	67	14,813,828	40,506.7	67	14,813,828	40,506.7
Rate 32 Secondary	587	55,908,784	264,206.2	587	55,908,784	264,206.2
Rate 34	0	0	0.0	0	0	0.0
Rate 38	3	23,342,800	79,946.9	3	23,342,800	79,946.9
Capitol	1	10,190,400	23,985.7	1	10,190,400	23,985.7
Contract (Amer Coll)	1	3,086,100	10,333.8	1	3,086,100	10,333.8
Total General	5,135	1,173,455,374	3,298,299.7	5,135	1,173,455,374	3,298,299.7
Municipal Lighting Service						
Rate 41 Secondary	598	12,133,777		598	12,133,777	
Rate 41 Primary	44	1,174,555		44	1,174,555	
Total Municipal Light	642	13,308,332		642	13,308,332	
Municipal Pumping Service						
Rate 48 Secondary	303	22,345,983	83,684.9	303	22,345,983	83,684.9
Rate 48 Primary	5	23,520,600	50,995.4	5	23,520,600	50,995.4
Total Municipal Pumping	308	45,866,583	134,680.3	308	45,866,583	134,680.3
Outdoor Lighting Service						
Rate 52 Secondary	2,495	3,861,611		2,495	3,861,611	
Rate 52 Primary	13	34,081		13	34,081	
Total Outdoor Light	2,508	3,895,692		2,508	3,895,692	
Total North Dakota	98,929	2,075,391,863	3,450,241.5	98,929	2,075,391,863	3,450,241.5

1/ Reflects on-peak Kw only as currently no off-peak demand charge.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenue Analysis by Tariffed Rate
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Projected 2022			Projected 2023		
	Billing Units	Kwh	Billed KW	Billing Units	Kwh	Billed KW
Residential Service						
Rate 10	79,868	761,460,528		80,161	763,201,099	
Rate 13	4	132,692		4	132,692	
Rate 16	4	70,679		4	70,679	
Total Residential	79,876	761,663,899		80,169	763,404,470	
Small General Service						
Rate 20	10,285	88,014,616		10,410	88,215,802	
Rate 25	49	1,577,312	10,040.6	49	1,577,312	10,040.6
Rate 26	270	1,950,557		270	1,950,557	
Rate 40	271	3,270,836	7,220.9	271	3,270,836	7,220.9
Total Small General	10,875	94,813,321	17,261.5	11,000	95,014,507	17,261.5
General Service						
Rate 30 Secondary	4,508	721,097,871	2,197,890.3	4,566	722,746,179	2,202,914.3
Rate 30 Primary	40	234,743,374	515,375.6	40	226,484,074	507,095.6
Rate 30 Contracts						
Tesoro	1	98,750,754	161,517.3	1	98,750,754	161,517.3
Sabin	1	27,167,840	55,224.9	1	27,167,840	55,224.9
Rate 31 Primary 1/	1	2,478,000	4,869.6	1	2,478,000	4,869.6
Rate 31 Secondary 1/	51	13,821,701	38,751.8	52	13,853,295	38,840.3
Rate 32 Secondary	595	57,096,787	269,820.9	603	57,227,301	270,437.7
Rate 34						
Rate 38	2	18,709,600	69,855.2	3	21,795,700	80,189.0
Capitol	1	10,190,400	23,985.7	1	10,190,400	23,985.7
Contract (Amer Coll)	1	3,086,100	10,333.8	0	0	0.0
Total General	5,201	1,187,142,427	3,347,625.1	5,268	1,180,693,543	3,345,074.4
Municipal Lighting Service						
Rate 41 Secondary	598	12,133,777		598	12,133,777	
Rate 41 Primary	44	1,174,555		44	1,174,555	
Total Municipal Light	642	13,308,332		642	13,308,332	
Municipal Pumping Service						
Rate 48 Secondary	303	22,345,983	83,684.9	303	22,345,983	83,684.9
Rate 48 Primary	5	23,520,600	50,995.4	5	23,520,600	50,995.4
Total Municipal Pumping	308	45,866,583	134,680.3	308	45,866,583	134,680.3
Outdoor Lighting Service						
Rate 52 Secondary	2,517	3,949,057		2,539	3,958,084	
Rate 52 Primary	13	34,081		13	34,081	
Total Outdoor Light	2,530	3,983,138		2,552	3,992,165	
Total North Dakota	99,432	2,106,777,700	3,499,566.9	99,939	2,102,279,600	3,497,016.2

1/ Reflects on-peak Kw only as currently no off-peak demand charge.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Projected Revenues and Billing Determinants
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Projected 2023								
	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	FPPA	Rider Revenue 1/	Total Revenue
Residential Service									
Rate 10	80,161	763,201,099		\$13,459,178	\$37,765,785		\$17,103,337	\$1,427,186	\$69,755,486
Rate 13	4	132,692		1,095	4,410		2,974	248	8,727
Rate 16	4	70,679		1,095	2,504		1,584	132	5,315
Total Residential	80,169	763,404,470		13,461,368	37,772,699		17,107,895	1,427,566	69,769,528
Small General Service									
Rate 20	10,410	88,215,802		\$3,191,779	\$4,491,252		\$1,976,916	\$164,964	\$9,824,911
Rate 25	49	1,577,312	10,040.6	26,828	2,934	\$31,943	35,348	2,950	100,003
Rate 26	270	1,950,557		98,550	62,141		43,712	3,648	208,051
Rate 40	271	3,270,836	7,220.9	85,308	69,942	46,587	73,299	6,117	281,253
Total Small General	11,000	95,014,507	17,261.5	3,402,465	4,626,269	78,530	2,129,275	177,679	10,414,218
General Service									
Rate 30 Secondary	4,566	722,746,179	2,202,914.3	\$3,068,991	\$16,847,213	\$23,251,782	\$16,196,742	\$1,216,251	\$60,580,979
Rate 30 Primary	40	226,484,074	507,095.6	48,000	3,202,485	6,098,111	4,935,088	279,973	14,563,657
Rate 30 Contract Rates									
Tesoro	1	98,750,754	161,517.3	1,200	1,575,291	1,056,761	2,151,779	89,175	4,874,206
Sabin	1	27,167,840	55,224.9	1,200	447,472	367,729	591,987	30,490	1,438,878
Rate 31 Primary	1	2,478,000	4,869.6 2/	1,164	35,258	64,936	53,996	2,689	158,043
Rate 31 Secondary	52	13,853,295	38,840.3 2/	44,928	323,025	474,070	310,452	21,444	1,173,919
Rate 32 Secondary	603	57,227,301	270,437.7	151,956	1,386,045	722,295	1,282,464	65,470	3,608,230
Rate 38	3	21,795,700	80,189.0	5,940	272,882	720,273	474,928	44,273	1,518,296
Capitol	1	10,190,400	23,985.7	1,200	127,584	217,395	222,049	13,243	581,471
Contract (Amer Coll) 3/	0	0	0.0	0	0	0	0	0	0
Total General	5,268	1,180,693,543	3,345,074.4	3,324,579	24,217,255	32,973,352	26,219,485	1,763,008	88,497,679
Municipal Lighting Service									
Rate 41 Secondary	598	12,133,777			\$617,705		\$271,918	\$10,178	\$899,801
Rate 41 Primary	44	1,174,555			53,865		25,594	975	80,434
Total Municipal Lighting	642	13,308,332			671,570		297,512	11,153	980,235

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Projected Revenues and Billing Determinants
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Projected 2023								
	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	FPPA	Rider Revenue 1/	Total Revenue
Municipal Pumping Service									
Rate 48 Secondary 4/	303	22,345,983	83,684.9	\$152,558	\$388,173	\$540,303	\$500,773	42,323	\$1,624,130
Rate 48 Primary	5	23,520,600	50,995.4	4,320	380,563	331,482	512,514	25,340	1,254,219
Total Municipal Pumping	308	45,866,583	134,680.3	156,878	768,736	871,785	1,013,287	67,663	2,878,349
Outdoor Lighting Service									
Rate 52 Secondary	2,539	3,958,084			\$267,685		\$88,701	\$3,641	\$360,027
Rate 52 Primary	13	34,081			2,167		743	31	2,941
Total Outdoor Lighting	2,552	3,992,165			269,852		89,444	3,672	362,968
Total North Dakota	99,939	2,102,279,600	3,497,016.2	\$20,345,290	\$68,326,381	\$33,923,667	\$46,856,898	\$3,450,741	\$172,902,977

1/ Only includes the Generation Rider.

2/ Reflects on-peak Kw only as currently no off-peak demand charge.

3/ Customer contract moves service to Rate 38 effective January 1, 2023.

4/ Includes 1 customer's excess facilities charges.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Projected Revenues and Billing Determinants
Twelve Months Ended December 31, 2021**

Projected 2022									
Rate Reporting Class	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	FPPA	Rider Revenue 1/	Total Revenue
Residential Service									
Rate 10	79,868	761,460,528		\$13,409,983	\$37,679,655		\$16,470,391	\$1,423,931	\$68,983,960
Rate 13	4	132,692		1,095	4,410		2,870	248	8,623
Rate 16	4	70,679		1,095	2,504		1,529	132	5,260
Total Residential	79,876	761,663,899		13,412,173	37,686,569		16,474,790	1,424,311	68,997,843
Small General Service									
Rate 20	10,285	88,014,616		\$3,153,454	\$4,481,008		\$1,903,756	\$164,587	\$9,702,805
Rate 25	49	1,577,312	10,040.6	26,828	2,934	\$31,943	34,117	2,950	98,772
Rate 26	270	1,950,557		98,550	62,141		42,191	3,648	206,530
Rate 40	271	3,270,836	7,220.9	85,308	69,942	46,587	70,748	6,117	278,702
Total Small General	10,875	94,813,321	17,261.5	3,364,140	4,616,025	78,530	2,050,812	177,302	10,286,809
General Service									
Rate 30 Secondary	4,508	721,097,871	2,197,890.3	\$3,030,015	\$16,808,791	\$23,198,754	\$15,597,347	\$1,213,477	\$59,848,384
Rate 30 Primary	40	234,743,374	515,375.6	48,000	3,319,271	6,201,611	4,922,569	284,544	14,775,995
Rate 30 Contract Rates									
Tesoro	1	98,750,754	161,517.3	1,200	1,575,291	1,056,761	2,070,803	89,175	4,793,230
Sabin	1	27,167,840	55,224.9	1,200	447,472	367,729	569,710	30,490	1,416,601
Rate 31 Primary	1	2,478,000	4,869.6 2/	1,164	35,258	64,936	51,964	2,689	156,011
Rate 31 Secondary	51	13,821,701	38,751.8 2/	44,064	322,289	472,990	298,963	21,395	1,159,701
Rate 32 Secondary	595	57,096,787	269,820.9	149,940	1,382,884	720,648	1,235,004	65,321	3,553,797
Rate 38	2	18,709,600	69,855.2	2,340	234,244	627,808	392,340	38,568	1,295,300
Capitol	1	10,190,400	23,985.7	1,200	127,584	217,395	213,693	13,243	573,115
Contract (Amer Coll)	1	3,086,100	10,333.8	3,600	32,497	75,364	64,716	5,705	181,882
Total General	5,201	1,187,142,427	3,347,625.1	3,282,723	24,285,581	33,003,996	25,417,109	1,764,607	87,754,016
Municipal Lighting Service									
Rate 41 Secondary	598	12,133,777			\$617,705		\$262,454	\$10,178	\$890,337
Rate 41 Primary	44	1,174,555			53,865		24,630	975	79,470
Total Municipal Lighting	642	13,308,332			671,570		287,084	11,153	969,807

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Projected Revenues and Billing Determinants
Twelve Months Ended December 31, 2021**

Projected 2022									
Rate Reporting Class	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	FPPA	Rider Revenue 1/	Total Revenue
Municipal Pumping Service									
Rate 48 Secondary 3/	303	22,345,983	83,684.9	\$152,558	\$388,173	\$540,303	\$483,344	42,323	\$1,606,701
Rate 48 Primary	5	23,520,600	50,995.4	4,320	380,563	331,482	493,227	25,340	1,234,932
Total Municipal Pumping	308	45,866,583	134,680.3	156,878	768,736	871,785	976,571	67,663	2,841,633
Outdoor Lighting Service									
Rate 52 Secondary	2,517	3,949,057			\$267,075		\$85,418	\$3,633	\$356,126
Rate 52 Primary	13	34,081			2,167		715	31	2,913
Total Outdoor Lighting	2,530	3,983,138			269,242		86,133	3,664	359,039
Total North Dakota	99,432	2,106,777,700	3,499,566.9	\$20,215,914	\$68,297,723	\$33,954,311	\$45,292,499	\$3,448,700	\$171,209,147

1/ Only includes the Generation Rider.

2/ Reflects on-peak Kw only as currently no off-peak demand charge.

3/ Includes 1 customer's excess facilities charges.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenue at Current Rates
Twelve Months Ended December 31, 2021**

Revenue at Current Rates									
Rate Reporting Class	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	FPPA	Rider Revenue 1/	Total Revenue
Residential Service									
Rate 10	79,576	745,670,271		\$13,360,956	\$36,898,311		\$17,955,740	\$1,394,403	\$69,609,410
Rate 13	4	132,692		1,095	4,410		3,195	248	8,948
Rate 16	4	70,679		1,095	2,504		1,702	132	5,433
Total Residential	79,584	745,873,642		13,363,146	36,905,225		17,960,637	1,394,783	69,623,791
Small General Service									
Rate 20	10,162	86,193,535		\$3,115,742	\$4,388,295		\$2,075,540	\$161,182	\$9,740,759
Rate 25	49	1,577,312	10,040.6	26,828	2,934	31,943	37,982	2,950	102,637
Rate 26	270	1,950,557		98,550	62,141		46,969	3,648	211,308
Rate 40	271	3,270,836	7,220.9	85,308	69,942	46,587	78,762	6,117	286,716
Total Small General	10,752	92,992,240	17,261.5	3,326,428	4,523,312	78,530	2,239,253	173,897	10,341,420
General Service									
Rate 30 Secondary	4,434	704,853,594	2,149,664.7	\$2,980,287	\$16,430,137	\$22,689,754	\$16,972,875	\$1,186,851	\$60,259,904
Rate 30 Primary	39	232,863,274	508,043.9	46,800	3,292,687	6,108,673	5,316,269	280,496	15,044,925
Rate 30 Contract Rates									
Tesoro	1	98,750,754	161,517.3	1,200	1,575,291	1,056,761	2,254,480	89,175	4,976,907
Sabin	1	27,167,840	55,224.9	1,200	447,472	367,729	620,242	30,490	1,467,133
Rate 31 Primary	1	2,478,000	4,869.6 2/	1,164	35,258	64,936	56,573	2,689	160,620
Rate 31 Secondary	67	14,813,828	40,506.7 2/	57,888	345,379	494,408	356,717	22,364	1,276,756
Rate 32 Secondary	587	55,908,784	264,206.2	147,924	1,354,111	705,662	1,346,284	63,962	3,617,943
Rate 34	0	0	0.0	0	0	0	0	0	0
Rate 38	3	23,342,800	79,946.9	6,997	292,252	720,830	532,916	44,139	1,597,134
Capitol	1	10,190,400	23,985.7	1,200	127,584	217,395	232,647	13,243	592,069
Contract (Amer Coll)	1	3,086,100	10,333.8	3,600	32,497	75,364	70,456	5,705	187,622
Total General	5,135	1,173,455,374	3,298,299.7	3,248,260	23,932,668	32,501,512	27,759,459	1,739,114	89,181,013
Municipal Lighting Service									
Rate 41 Secondary	598	12,133,777			\$617,705		\$292,181	\$10,178	\$920,064
Rate 41 Primary	44	1,174,555			53,865		26,815	975	81,655
Total Municipal Light	642	13,308,332			671,570		318,996	11,153	1,001,719

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenue at Current Rates
Twelve Months Ended December 31, 2021**

Revenue at Current Rates									
Rate Reporting Class	Billing Units	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	FPPA	Rider Revenue 1/	Total Revenue
Municipal Pumping Service									
Rate 48 Secondary 3/	303	22,345,983	83,684.9	\$152,558	\$388,173	\$540,303	\$538,091	\$42,323	\$1,661,448
Rate 48 Primary	5	23,520,600	50,995.4	4,320	380,563	331,482	536,975	25,340	1,278,680
Total Municipal Pumping	308	45,866,583	134,680.3	156,878	768,736	871,785	1,075,066	67,663	2,940,128
Outdoor Lighting Service									
Rate 52 Secondary	2,495	3,861,611			\$261,161		\$92,988	\$3,553	\$357,702
Rate 52 Primary	13	34,081			2,167		778	31	2,976
Total Outdoor Light	2,508	3,895,692			263,328		93,766	3,584	360,678
Total North Dakota	98,929	2,075,391,863	3,450,241.5	\$20,094,712	\$67,064,839	\$33,451,827	\$49,447,177	\$3,390,194	\$173,448,749

1/ Only includes the Generation Rider.

2/ Reflects on-peak Kw only as currently no off-peak demand charge.

3/ Includes 1 customer's excess facilities charges.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Per Books Revenue by Tariffed Rate
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Per Books Summary								Total Revenue
	Billing Units 1/	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Rider Revenues	FPPA	
Residential Service									
Rate 10	79,576	745,670,271		\$13,173,358	\$36,899,398		\$15,089,913	\$15,364,131	\$80,526,800
Rate 13	4	132,692		1,092	4,410		2,685	2,739	10,926
Rate 16	4	70,679		1,172	2,503		1,430	1,465	6,570
Total Residential	79,584	745,873,642		13,175,622	36,906,311		15,094,028	15,368,335	80,544,296
Small General Service									
Rate 20	10,162	86,193,535		3,090,372	4,389,100	(1,765)	1,744,067	1,783,661	11,005,435
Rate 25	49	1,577,312	10,040.6	26,605	465	19,500	30,531	31,620	108,721
Rate 26	270	1,950,557		98,049	62,141		39,477	40,492	240,159
Rate 40	271	3,270,836	7,220.9	84,967	69,944	47,821	66,190	67,664	336,586
Total Small General	10,752	92,992,240	17,261.5	3,299,993	4,521,650	65,556	1,880,265	1,923,437	11,690,901
Large General Service									
Rate 30 Secondary	4,434	704,853,594	2,149,664.7	2,970,772	16,434,907	22,656,425	12,556,895	14,589,001	69,208,000
Rate 30 Primary	39	232,863,274	508,043.9	46,610	3,292,687	6,104,700	4,036,215	4,569,511	18,049,723
Rate 30 Contracts									
Tesoro	1	98,750,754	161,517.3	1,200	1,575,291	1,056,761	1,681,527	1,932,790	6,247,569
Sabin	1	27,167,840	55,224.9	1,200	447,471	367,729	468,880	535,612	1,820,892
Rate 31 Primary	1	2,478,000	4,869.6 2/	1,164	35,258	64,936	42,660	48,441	192,459
Rate 31 Secondary	67	14,813,828	40,506.7 2/	58,576	314,801	492,314	261,195	303,126	1,430,012
Rate 32 Secondary	587	55,908,784	264,206.2	147,307	1,354,112	705,034	962,364	1,161,916	4,330,733
Rate 34	0	0	0.0	0	0	0	0	0	0
Rate 38	3	23,342,800	79,946.9	6,997	292,252	720,830	420,772	461,545	1,902,396
Capitol	1	10,190,400	23,985.7	1,200	127,584	217,395	177,697	201,250	725,126
Contract (Amer Coll)	1	3,086,100	10,333.8	3,600	26,325	58,262	55,394	61,864	205,445
Total Large General	5,135	1,173,455,374	3,298,299.7	3,238,626	23,900,688	32,444,386	20,663,599	23,865,056	104,112,355
Municipal Lighting Service									
Rate 41 Primary	44	1,174,555			52,020		18,497	22,998	93,515
Rate 41 Secondary	598	12,133,777			600,468		191,561	251,564	1,043,593
Total Municipal Light	642	13,308,332			652,488		210,058	274,562	1,137,108

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Per Books Revenue by Tariffed Rate
Twelve Months Ended December 31, 2021**

Rate Reporting Class	Per Books Summary								Total Revenue
	Billing Units 1/	Kwh	Billed KW	Basic Service Charge Revenue	Energy Revenue	Demand Revenue	Rider Revenues	FPPA	
Municipal Pumping Service									
Rate 48 Secondary 3/	303	22,345,983	83,684.9	164,797	291,012	588,899	406,751	462,645	1,914,104
Rate 48 Primary	5	23,520,600	50,995.4	4,395	303,079	367,439	407,779	459,630	1,542,322
Total Municipal Pumping	308	45,866,583	134,680.3	169,192	594,091	956,338	814,530	922,275	3,456,426
Outdoor Lighting Service									
Rate 52 Primary	13	34,081			2,167		543	664	3,374
Rate 52 Secondary	2,495	3,861,611			261,098		61,025	80,156	402,279
Total Outdoor Light	2,508	3,895,692			263,265		61,568	80,820	405,653
Total North Dakota	98,929	2,075,391,863	3,450,241.5	\$19,883,433	\$66,838,493	\$33,466,280	\$38,724,048	\$42,434,485	\$201,346,739
Residential	79,584	745,873,642	0.0	13,175,622	36,906,311	0	15,094,028	15,368,335	80,544,296
Small General	10,752	92,992,240	17,261.5	3,299,993	4,521,650	65,556	1,880,265	1,923,437	11,690,901
Large General	5,135	1,173,455,374	3,298,299.7	3,238,626	23,900,688	32,444,386	20,663,599	23,865,056	104,112,355
Municipal Lighting	642	13,308,332	0.0	0	652,488	0	210,058	274,562	1,137,108
Municipal Pumping	308	45,866,583	134,680.3	169,192	594,091	956,338	814,530	922,275	3,456,426
Outdoor Lighting	2,508	3,895,692	0.0	0	263,265	0	61,568	80,820	405,653
Total North Dakota	98,929	2,075,391,863	3,450,241.5	19,883,433	66,838,493	33,466,280	38,724,048	42,434,485	201,346,739

1/ Reflects average distinct count of customers for twelve months ended December 31, 2021.

2/ Reflects on-peak Kw only as currently no off-peak demand charge.

3/ Includes 1 customer's excess facilities charges.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Electric Rates
Effective with Service Rendered on and after December 1, 2018
Case No. PU-18-89**

	Basic Service Charge	Energy Charge	Demand Charge	Current FPPA 1/	2022 Projected FPPA 1/	2023 Projected FPPA 1/
Residential						
Rate 10	\$0.46 per day					
Winter - First 750 Kwh		\$0.05678		\$0.02408	\$0.02163	\$0.02241
Winter - Over 750 Kwh		\$0.02678				
Summer		\$0.05678				
Rate 13	\$0.75 per day			\$0.02408	\$0.02163	\$0.02241
Winter - On Peak First 750 Kwh		\$0.05846				
Winter - On Peak Over 750 Kwh		\$0.02846				
Winter - Off Peak		\$0.01100				
Summer-On		\$0.05846				
Rate 16	\$0.75 per day			\$0.02408	\$0.02163	\$0.02241
Winter - On Peak		\$0.05718				
Winter - Off Peak		\$0.02718				
Summer - On Peak		\$0.07218				
Summer - Off Peak		\$0.04218				
Small General						
Rate 20	\$0.84 per day			\$0.02408	\$0.02163	\$0.02241
Winter - First 750 Kwh		\$0.05997				
Winter - Over 750 Kwh		\$0.02997				
Summer		\$0.05997				
Rate 25	\$1.50 per day	\$0.00186		\$0.02408	\$0.02163	\$0.02241
Winter			1.25			
Summer			4.25			
Rate 26	\$1.00 per day			\$0.02408	\$0.02163	\$0.02241
Winter - On Peak		\$0.04566				
Winter - Off Peak		\$0.02066				
Summer - On Peak		\$0.06066				
Summer - Off Peak		\$0.03566				
Rate 40 - Demand	\$1.00 per day	\$0.01302		\$0.02408	\$0.02163	\$0.02241
Winter - Over 10 KW			8.25			
Summer			11.25			
Rate 40 - Non Demand	\$0.84 per day			\$0.02408	\$0.02163	\$0.02241
Winter - First 750 Kwh		\$0.03402				
Winter - Over 750 Kwh		\$0.02302				
Summer		\$0.03402				
Large General						
Rate 30 - Primary	\$100.00 per month	\$0.01414		\$0.02283	\$0.02097	\$0.02179
Winter			11.00			
Summer			14.00			
Rate 30 - Secondary	\$56.00 per month	\$0.02331		\$0.02408	\$0.02163	\$0.02241
Winter			9.50			
Summer			12.50			

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Electric Rates
Effective with Service Rendered on and after December 1, 2018
Case No. PU-18-89**

	Basic Service Charge	Energy Charge	Demand Charge	Current FPPA 1/	2022 Projected FPPA 1/	2023 Projected FPPA 1/
Sabin Contract 2/	\$100.00 per month			\$0.02283	\$0.02097	\$0.02179
First 2.3 Million Kwh		\$0.01669				
Over 2.3 Million Kwh		\$0.01144				
Winter - First 5,000 Kw			5.72			
Winter - Over 5,000 Kw			5.72			
Summer - First 5,000 Kw			8.58			
Summer - Over 5,000 Kw			5.72			
Tesoro Contract 3/	\$100.00 per month			\$0.02283	\$0.02097	\$0.02179
First 1.5 Million Kwh		\$0.02148				
Over 1.5 Million Kwh		\$0.01472				
Winter			5.44			
Summer			8.56			
Rate 31 - Primary	\$97.00 per month			\$0.02283	\$0.02097	\$0.02179
On Peak		\$0.01607				
Off Peak		\$0.01357				
Winter - On Peak			12.25			
Summer - On Peak			15.25			
Rate 31 - Secondary	\$72.00 per month			\$0.02408	\$0.02163	\$0.02241
On Peak		\$0.02512				
Off Peak		\$0.02262				
Winter - On Peak			10.75			
Summer - On Peak			14.75			
Rate 32 - Secondary	\$21.00 per month	\$0.02422		\$0.02408	\$0.02163	\$0.02241
Winter			1.00			
Summer			12.50			
Rate 34 - Firm Development	\$100.00 per month	\$0.02331		\$0.02408	\$0.02163	\$0.02241
Rate 38		\$0.01252		\$0.02283	\$0.02097	\$0.02179
Customer 1	\$95.00 per month					
Customer 2	\$388.05 per month					
Customer 3	\$100.00 per month					
Winter			8.00			
Summer			11.00			
Rate 38 - State Capitol 4/	\$100.00 per month	\$0.01252		\$0.02283	\$0.02097	\$0.02179
Winter			8.00			
Summer			11.00			
Contract - American Colloid 5/	<i>(Rates 1/1/2021-12/31/2021)</i>					
	\$300.00 per month	\$0.00853	5.638	\$0.02283	\$0.02097	\$0.02179
	<i>(Rates 1/1/2022-12/31/2022)</i>					
	\$300.00 per month	\$0.01053		\$0.02283	\$0.02097	\$0.02179
Winter			6.819			
Summer			8.319			
	<i>(Rate 38 applicable as of 1/1/2023)</i>					

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Electric Rates
Effective with Service Rendered on and after December 1, 2018
Case No. PU-18-89**

	Basic Service Charge	Energy Charge	Demand Charge	Current FPPA 1/	2022 Projected FPPA 1/	2023 Projected FPPA 1/
Municipal Lighting						
Rate 41 - Primary		\$0.05096		\$0.02283	\$0.02097	\$0.02179
Rate 41 - Secondary		\$0.05596		\$0.02408	\$0.02163	\$0.02241
Municipal Pumping						
Rate 48 - Primary	\$80.00 per month	\$0.01798		\$0.02283	\$0.02097	\$0.02179
Winter			6.00			
Summer			9.00			
Rate 48 - Secondary	\$45.00 per month	\$0.01898		\$0.02408	\$0.02163	\$0.02241
Winter			6.00			
Summer			9.00			
Outdoor Lighting						
Rate 52 - Primary		\$0.06357		\$0.02283	\$0.02097	\$0.02179
Rate 52 - Secondary		\$0.06763		\$0.02408	\$0.02163	\$0.02241
Rate 95 (1/1/2022)		(\$0.02145)				
Single Phase	\$0.05 per day					
Single Phase, Instrument Transformer	\$0.19 per day					
Three Phase	\$0.12 per day					
Three Phase, Instrument Transformer	\$0.33 per day					
Cost Recovery Riders						
Rate 56 - Generation Rider-excluding surcharge (2/1/2022)						
Residential		\$0.00187				
Small General		\$0.00187				
Large General			\$0.55211			
Rate 32			\$0.24209			
Lighting		\$0.00092				

	2021	Projected 2022	Projected 2023
1/ Fuel and Purchased Power Adj.			
Primary	\$0.02283	\$0.02097	\$0.02179
Secondary	\$0.02408	\$0.02163	\$0.02241
2/ Contract rate effective with service rendered on and after July 25, 2019 as approved in Case No. PU-18-435.			
3/ Contract rate effective with service rendered on and after July 25, 2019 as approved in Case No. PU-18-484.			
4/ Contract rate effective with service rendered on and after January 1, 2020 as approved in Case No. PU-19-332.			
5/ Contract rate effective per contract terms as approved in Case No. PU-18-433, shown in table below:			

	Thru 12/31/19	1/1/20-12/31/20	1/1/21-12/31/21	1/1/22-12/31/22	1/1/2023 Rate 38
Base Rate Per Month	\$300.00	\$300.00	\$300.00	\$300.00	
Demand Charge per Kw:					
October-May	\$5.638	\$5.638	\$5.638	\$6.819	
June-September	\$5.638	\$5.638	\$5.638	\$8.319	
Energy Charge per Kwh	\$0.00853	\$0.00853	\$0.00853	\$0.01053	
Adjustment Clauses 1/					
Fuel & Purchased Power (Rate 58)	x	x	x	x	x
Renewable Resource Cost Adjustment (Rate 55)		x	x	x	x
Transmission Cost Adjustment (Rate 59)		x	x	x	x
Generation Rider (Rate 56)			x	x	x
Environmental Cost Recovery Rider (Rate 57)			x	x	x

Rate 38
Applicable as
of 1/1/23

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Residential Rate 10	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$0.46	per day	79,576	\$13,360,810	79,868	\$13,409,837	80,161	\$13,459,032
Basic Service Charge 1/ 2/	0.05	per day	8	146	8	146	8	146
				<u>\$13,360,956</u>		<u>\$13,409,983</u>		<u>\$13,459,178</u>
Energy 3/								
Summer	\$0.05678	per Kwh	249,265,201	\$14,153,278	254,541,025	\$14,452,839	255,122,863	\$14,485,876
Winter - First 750	0.05678	per Kwh	315,043,500	17,888,170	321,717,073	18,267,095	322,452,465	18,308,851
Winter - Over 750	0.02678	per Kwh	<u>181,361,570</u>	<u>4,856,863</u>	<u>185,202,430</u>	<u>4,959,721</u>	<u>185,625,771</u>	<u>4,971,058</u>
Total Energy			745,670,271	\$36,898,311	761,460,528	\$37,679,655	763,201,099	\$37,765,785
Fuel at Current Rates	\$0.02408	per Kwh	745,670,271	\$17,955,740				
Fuel Projected 2022	0.02163	per Kwh			761,460,528	\$16,470,391		
Fuel Projected 2023	0.02241	per Kwh					763,201,099	\$17,103,337
Riders								
Renewable Rider	\$0.00000	per Kwh	745,670,271	\$0	761,460,528	\$0	763,201,099	\$0
Generation Rider	0.00187	per Kwh	745,670,271	1,394,403	761,460,528	1,423,931	763,201,099	1,427,186
Environmental Rider	0.00000	per Kwh	745,670,271	0	761,460,528	0	763,201,099	0
Transmission Rider	0.00000	per Kwh	745,670,271	0	761,460,528	0	763,201,099	0
Total Riders				<u>\$1,394,403</u>		<u>\$1,423,931</u>		<u>\$1,427,186</u>
Total Revenue				<u>\$69,609,410</u>		<u>\$68,983,960</u>		<u>\$69,755,486</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/ Basic service charge for Rate 95.

3/	Prorate	
Per Books Kwh	Factors	
249,265,201	33.428%	Summer
315,043,500	42.250%	Winter - First 750
181,361,570	24.322%	Winter -Over 750
<u>745,670,271</u>	<u>100.000%</u>	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Thermal Energy Storage Rate 13	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$0.75	per day	4	\$1,095	4	\$1,095	4	\$1,095
Energy 2/								
Summer - On	\$0.05846	per Kwh	28,963	\$1,693	28,963	\$1,693	28,963	\$1,693
Winter - On-Peak First 750	0.05846	per Kwh	22,786	1,332	22,786	1,332	22,786	1,332
Winter - On-Peak Over 750	0.02846	per Kwh	28,310	806	28,310	806	28,310	806
Winter - Off-Peak	0.01100	per Kwh	52,633	579	52,633	579	52,633	579
Total Energy			132,692	\$4,410	132,692	\$4,410	132,692	\$4,410
Fuel at Current Rates	\$0.02408	per Kwh	132,692	\$3,195				
Fuel Projected 2022	0.02163	per Kwh			132,692	\$2,870		
Fuel Projected 2023	0.02241	per Kwh					132,692	\$2,974
Riders								
Renewable Rider	\$0.00000	per Kwh	132,692	\$0	132,692	\$0	132,692	\$0
Generation Rider	0.00187	per Kwh	132,692	248	132,692	248	132,692	248
Environmental Rider	0.00000	per Kwh	132,692	0	132,692	0	132,692	0
Transmission Rider	0.00000	per Kwh	132,692	0	132,692	0	132,692	0
Total Riders				\$248		\$248		\$248
Total Revenue				<u>\$8,948</u>		<u>\$8,623</u>		<u>\$8,727</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/	Prorate
Per Books Kwh	Factors
28,963	21.827% On-Summer
22,786	17.172% On-Peak First 750 - Winter
28,310	21.335% On-Peak Over 750 - Winter
52,633	39.666% Off-Peak - Winter
<u>132,692</u>	<u>100.000%</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Residential TOD Rate 16	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$0.75 per day	4	\$1,095	4	\$1,095	4	\$1,095
Energy 2/							
Summer							
On-Peak	\$0.07218 per Kwh	3,277	\$237	3,277	\$237	3,277	\$237
Off-Peak	0.04218 per Kwh	8,734	368	8,734	368	8,734	368
Winter							
On-Peak	\$0.05718 per Kwh	10,152	580	10,152	580	10,152	580
Off-Peak	0.02718 per Kwh	48,516	1,319	48,516	1,319	48,516	1,319
Total Energy		70,679	\$2,504	70,679	\$2,504	70,679	\$2,504
Fuel at Current Rates	\$0.02408 per Kwh	70,679	\$1,702				
Fuel Projected 2022	0.02163 per Kwh			70,679	\$1,529		
Fuel Projected 2023	0.02241 per Kwh					70,679	\$1,584
Riders							
Renewable Rider	\$0.00000 per Kwh	70,679	\$0	70,679	\$0	70,679	\$0
Generation Rider	0.00187 per Kwh	70,679	132	70,679	132	70,679	132
Environmental Rider	0.00000 per Kwh	70,679	0	70,679	0	70,679	0
Transmission Rider	0.00000 per Kwh	70,679	0	70,679	0	70,679	0
Total Riders			\$132		\$132		\$132
Total Revenue			\$5,433		\$5,260		\$5,315

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/	Prorate
Per Books Kwh	Factors
3,277	4.636% On-Peak - Summer
8,734	12.357% Off-Peak - Summer
10,152	14.364% On-Peak - Winter
48,516	68.643% Off-Peak - Winter
70,679	100.000%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Small General Rate 20	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$0.84	per day	10,162	\$3,115,669	10,285	\$3,153,381	10,410	\$3,191,706
Basic Service Charge 1/ 2/	0.05	per day	4	73	4	73	4	73
				<u>\$3,115,742</u>		<u>\$3,153,454</u>		<u>\$3,191,779</u>
Energy 3/								
Summer	\$0.05997	per Kwh	27,436,384	\$1,645,360	28,015,932	\$1,680,115	28,079,972	\$1,683,956
Winter - First 750	0.05997	per Kwh	32,732,764	1,962,984	33,424,431	2,004,463	33,500,833	2,009,045
Winter - Over 750	0.02997	per Kwh	26,024,387	779,951	26,574,253	796,430	26,634,997	798,251
Total Energy			86,193,535	<u>\$4,388,295</u>	88,014,616	<u>\$4,481,008</u>	88,215,802	<u>\$4,491,252</u>
Fuel at Current Rates	\$0.02408	per Kwh	86,193,535	\$2,075,540				
Fuel Projected 2022	0.02163	per Kwh			88,014,616	\$1,903,756		
Fuel Projected 2023	0.02241	per Kwh					88,215,802	\$1,976,916
Riders								
Renewable Rider	\$0.00000	per Kwh	86,193,535	\$0	88,014,616	\$0	88,215,802	\$0
Generation Rider	0.00187	per Kwh	86,193,535	161,182	88,014,616	164,587	88,215,802	164,964
Environmental Rider	0.00000	per Kwh	86,193,535	0	88,014,616	0	88,215,802	0
Transmission Rider	0.00000	per Kwh	86,193,535	0	88,014,616	0	88,215,802	0
Total Riders				<u>\$161,182</u>		<u>\$164,587</u>		<u>\$164,964</u>
Total Revenue				<u><u>\$9,740,759</u></u>		<u><u>\$9,702,805</u></u>		<u><u>\$9,824,911</u></u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/ Basic service charge for Rate 95.

Per Books Kwh	Prorate Factors	
27,436,384	31.831%	Summer
32,732,764	37.976%	Winter - First 750
26,024,387	30.193%	Winter - Over 750
<u>86,193,535</u>	<u>100.000%</u>	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Irrigation Power Rate 25	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$1.50 per day	49	\$26,828	49	\$26,828	49	\$26,828
Energy	\$0.00186 per Kwh	1,577,312	\$2,934	1,577,312	\$2,934	1,577,312	\$2,934
Demand 2/							
Summer	\$4.25 per KW	6,464.3	27,473	6,464.3	27,473	6,464.3	27,473
Winter	1.25 per KW	3,576.3	4,470	3,576.3	4,470	3,576.3	4,470
Total Demand		10,040.6	\$31,943	10,040.6	\$31,943	10,040.6	\$31,943
Fuel at Current Rates	\$0.02408 per Kwh	1,577,312	\$37,982				
Fuel Projected 2022	0.02163 per Kwh			1,577,312	\$34,117		
Fuel Projected 2023	0.02241 per Kwh					1,577,312	\$35,348
Riders							
Renewable Rider	\$0.00000 per Kwh	1,577,312	\$0	1,577,312	\$0	1,577,312	\$0
Generation Rider	0.00187 per Kwh	1,577,312	2,950	1,577,312	2,950	1,577,312	2,950
Environmental Rider	0.00000 per Kwh	1,577,312	0	1,577,312	0	1,577,312	0
Transmission Rider	0.00000 per Kwh	1,577,312	0	1,577,312	0	1,577,312	0
Total Riders			\$2,950		\$2,950		\$2,950
Total Revenue			<u>\$102,637</u>		<u>\$98,772</u>		<u>\$100,003</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/	Prorate
Per Books Kw	Factors
6,464.3	64.382% Summer
3,576.3	35.618% Winter
10,040.6	100.000%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Small General TOD Rate 26	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$1.00	per day	270	\$98,550	270	\$98,550	270	\$98,550
Energy 2/								
Summer								
On-Peak	\$0.06066	per Kwh	164,452	\$9,976	164,452	\$9,976	164,452	\$9,976
Off-Peak	0.03566	per Kwh	495,677	17,676	495,677	17,676	495,677	17,676
Winter								
On-Peak	0.04566	per Kwh	313,159	14,299	313,159	14,299	313,159	14,299
Off-Peak	0.02066	per Kwh	977,269	20,190	977,269	20,190	977,269	20,190
Total Energy			1,950,557	\$62,141	1,950,557	\$62,141	1,950,557	\$62,141
Fuel at Current Rates	\$0.02408	per Kwh	1,950,557	\$46,969				
Fuel Projected 2022	0.02163	per Kwh			1,950,557	\$42,191		
Fuel Projected 2023	0.02241	per Kwh					1,950,557	\$43,712
Riders								
Renewable Rider	\$0.00000	per Kwh	1,950,557	\$0	1,950,557	\$0	1,950,557	\$0
Generation Rider	0.00187	per Kwh	1,950,557	3,648	1,950,557	3,648	1,950,557	3,648
Environmental Rider	0.00000	per Kwh	1,950,557	0	1,950,557	0	1,950,557	0
Transmission Rider	0.00000	per Kwh	1,950,557	0	1,950,557	0	1,950,557	0
Total Riders				\$3,648		\$3,648		\$3,648
Total Revenue				<u>\$211,308</u>		<u>\$206,530</u>		<u>\$208,051</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/	Prorate
	Factors
Per Books Kwh	
164,452	8.431% On-Peak - Summer
495,677	25.412% Off-Peak - Summer
313,159	16.055% On-Peak - Winter
977,269	50.102% Off-Peak - Winter
<u>1,950,557</u>	<u>100.000%</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Small Municipal Service Demand Rate 40	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$1.00 per day		38	\$13,870	38	\$13,870	38	\$13,870
Energy	\$0.01302 per Kwh		1,659,753	\$21,610	1,659,753	\$21,610	1,659,753	\$21,610
Demand 2/								
Summer	\$11.25 per KW		2,700.6	\$30,382	2,700.6	\$30,382	2,700.6	\$30,382
Winter - First 10 KW	0.00 per KW		2,556.1	0	2,556.1	0	2,556.1	0
Winter - Over 10 KW	8.25 per KW		1,964.2	16,205	1,964.2	16,205	1,964.2	16,205
Total Demand			7,220.9	\$46,587	7,220.9	\$46,587	7,220.9	\$46,587
Fuel at Current Rates	\$0.02408 per Kwh		1,659,753	\$39,967				
Fuel Projected 2022	0.02163 per Kwh				1,659,753	\$35,900		
Fuel Projected 2023	0.02241 per Kwh						1,659,753	\$37,195
Riders								
Renewable Rider	\$0.00000 per Kwh		1,659,753	\$0	1,659,753	\$0	1,659,753	\$0
Generation Rider	0.00187 per Kwh		1,659,753	3,104	1,659,753	3,104	1,659,753	3,104
Environmental Rider	0.00000 per Kwh		1,659,753	0	1,659,753	0	1,659,753	0
Transmission Rider	0.00000 per Kwh		1,659,753	0	1,659,753	0	1,659,753	0
Total Riders				\$3,104		\$3,104		\$3,104
Total Revenue				<u>\$125,138</u>		<u>\$121,071</u>		<u>\$122,366</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/

Per Books Kw	Prorate Factors
2,700.6	37.399% Summer
2,556.1	35.399% Winter - First 10 KW
1,964.2	27.202% Winter - Over 10 KW
<u>7,220.9</u>	<u>100.000%</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Small Municipal Service Non Demand Rate 40	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$0.84	per day	233	\$71,438	233	\$71,438	233	\$71,438
Energy 2/								
Summer	\$0.03402	per Kwh	393,049	\$13,372	393,049	\$13,372	393,049	\$13,372
Winter - First 750	0.03402	per Kwh	629,155	21,404	629,155	21,404	629,155	21,404
Winter - Over 750	0.02302	per Kwh	588,879	13,556	588,879	13,556	588,879	13,556
Total Energy			1,611,083	\$48,332	1,611,083	\$48,332	1,611,083	\$48,332
Fuel at Current Rates	\$0.02408	per Kwh	1,611,083	\$38,795				
Fuel Projected 2022	0.02163	per Kwh			1,611,083	\$34,848		
Fuel Projected 2023	0.02241	per Kwh					1,611,083	\$36,104
Riders								
Renewable Rider	\$0.00000	per Kwh	1,611,083	\$0	1,611,083	\$0	1,611,083	\$0
Generation Rider	0.00187	per Kwh	1,611,083	3,013	1,611,083	3,013	1,611,083	3,013
Environmental Rider	0.00000	per Kwh	1,611,083	0	1,611,083	0	1,611,083	0
Transmission Rider	0.00000	per Kwh	1,611,083	0	1,611,083	0	1,611,083	0
Total Riders				\$3,013		\$3,013		\$3,013
Total Revenue				<u>\$161,578</u>		<u>\$157,631</u>		<u>\$158,887</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 365 days.

2/	Prorate
	Prorate Factors
Per Books Kwh	
393,049	24.396% Summer
629,155	39.052% Winter - First 750
588,879	36.552% Winter - Over 750
<u>1,611,083</u>	<u>100.000%</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Primary Rate 30	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units 2/	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$100.00	per month	39	\$46,800	40	\$48,000	40	\$48,000
Energy	\$0.01414	per Kwh	232,863,274	\$3,292,687	234,743,374	\$3,319,271	226,484,074	\$3,202,485
Demand								
Summer	\$14.00	per KW	173,396.7	\$2,427,554	177,493.0	\$2,484,902 3/	173,353.0	\$2,426,942 4/
Winter	11.00	per KW	334,647.2	3,681,119	337,882.6	3,716,709 3/ 4/	333,742.6	3,671,169 4/
Total Demand			508,043.9	\$6,108,673	515,375.6	\$6,201,611	507,095.6	\$6,098,111
Fuel at Current Rates	\$0.02283	per Kwh	232,863,274	\$5,316,269				
Fuel Projected 2022	0.02097	per Kwh			234,743,374	\$4,922,569		
Fuel Projected 2023	0.02179	per Kwh					226,484,074	\$4,935,088
Riders								
Renewable Rider	\$0.00000	per Kwh	232,863,274	\$0	234,743,374	\$0	226,484,074	\$0
Generation Rider	0.55211	per KW	508,043.9	280,496	515,375.6	284,544	507,095.6	279,973
Environmental Rider	0.00000	per Kwh	232,863,274	0	234,743,374	0	226,484,074	0
Transmission Rider	0.00000	per Kwh	232,863,274	0	234,743,374	0	226,484,074	0
Total Riders				\$280,496		\$284,544		\$279,973
Total Revenue				<u>\$15,044,925</u>		<u>\$14,775,995</u>		<u>\$14,563,657</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/ Rate 38 customer requested service be moved to General Service Rate 30 Primary in 2022.

3/ Projected 2022 Kw resulting from 2/.

		Customer moved in 2022		Projected 2022	
Per Books Kw	Demand Rate Prorate Factors	Per Books Kw	Kw	Per Books Kw	Kw
173,396.7	34.130% Summer	4,096.3	177,493.0	177,493.0	177,493.0
334,647.2	65.870% Winter	5,995.4	340,642.6	337,882.6	340,642.6
508,043.9	100.000%	10,091.7	518,135.6	515,375.6	518,135.6

4/ Reflects savings from large customer installing distributed generation at facility. Expected to be fully operational mid-September 2022. Kw savings resulting from project reflected starting in October 2022.

Est. 2022 KW reduction:	Winter	Est. 2023 KW reduction:	Summer	Winter	2023 total
	2,760.0		4,140.0	6,900.0	11,040.0

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Secondary Rate 30	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units 5/	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$56.00	per month	4,434	\$2,979,648	4,508	\$3,029,376	4,566	\$3,068,352
Basic Service Charge 1/ 2/	\$0.05	per day	1	18	1	18	1	18
Basic Service Charge 1/ 3/	\$0.19	per day	2	139	2	139	2	139
Basic Service Charge 1/ 4/	\$0.33	per day	4	482	4	482	4	482
				<u>\$2,980,287</u>		<u>\$3,030,015</u>		<u>\$3,068,991</u>
Energy	\$0.02331	per Kwh	704,853,594	\$16,430,137	721,097,871	\$16,808,791	722,746,179	\$16,847,213
Demand 6/								
Summer	\$12.50	per KW	755,979.8	\$9,449,747	772,932.1	\$9,661,651	774,698.9	\$9,683,736
Winter	9.50	per KW	1,393,684.9	13,240,007	1,424,958.2	13,537,103	1,428,215.4	13,568,046
Total Demand			<u>2,149,664.7</u>	<u>\$22,689,754</u>	<u>2,197,890.3</u>	<u>\$23,198,754</u>	<u>2,202,914.3</u>	<u>\$23,251,782</u>
Fuel at Current Rates	\$0.02408	per Kwh	704,853,594	\$16,972,875				
Fuel Projected 2022	0.02163	per Kwh			721,097,871	\$15,597,347		
Fuel Projected 2023	0.02241	per Kwh					722,746,179	\$16,196,742
Riders								
Renewable Rider	\$0.00000	per Kwh	704,853,594	\$0	721,097,871	\$0	722,746,179	\$0
Generation Rider	0.55211	per KW	2,149,664.7	1,186,851	2,197,890.3	1,213,477	2,202,914.3	1,216,251
Environmental Rider	0.00000	per Kwh	704,853,594	0	721,097,871	0	722,746,179	0
Transmission Rider	0.00000	per Kwh	704,853,594	0	721,097,871	0	722,746,179	0
Total Riders				<u>\$1,186,851</u>		<u>\$1,213,477</u>		<u>\$1,216,251</u>
Total Revenue				<u><u>\$60,259,904</u></u>		<u><u>\$59,848,384</u></u>		<u><u>\$60,580,979</u></u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Secondary Rate 30	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units 5/	Revenue	Billing Units	Revenue

1/ Basic service charge revenue = billing units * basic service rate * 12 months.

2/ Basic service charge for Rate 95 - single phase, no instrument transformer.

3/ Basic service charge for Rate 95 - single phase with instrument transformer.

4/ Basic service charge for Rate 95 - three phase with instrument transformer.

5/ 17 customer accounts requested to be moved from Rate 31 to Rate 30 Secondary in 2022.

6/

KW	Demand Rate Prorate Factors
755,979.8	35.167% Summer
1,393,684.9	64.833% Winter
2,149,664.7	100.000%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Rate 30 (Tesoro Contract)	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$100.00	per month	1	\$1,200	1	\$1,200	1	\$1,200
Energy 2/								
First 1.5 Million Kwh	\$0.02148	per Kwh	18,000,000	\$386,640	18,000,000	\$386,640	18,000,000	\$386,640
Over 1.5 Million Kwh	0.01472	per Kwh	80,750,754	1,188,651	80,750,754	1,188,651	80,750,754	1,188,651
			98,750,754	1,575,291	98,750,754	1,575,291	98,750,754	1,575,291
Demand 2/								
Summer	\$8.56	per KW	57,085.5	\$488,652	57,085.5	\$488,652	57,085.5	\$488,652
Winter	5.44	per KW	104,431.8	568,109	104,431.8	568,109	104,431.8	568,109
Total Demand			161,517.3	\$1,056,761	161,517.3	\$1,056,761	161,517.3	\$1,056,761
Fuel at Current Rates	\$0.02283	per Kwh	98,750,754	\$2,254,480				
Fuel Projected 2022	0.02097	per Kwh			98,750,754	\$2,070,803		
Fuel Projected 2023	0.02179	per Kwh					98,750,754	\$2,151,779
Riders								
Renewable Rider	\$0.00000	per Kwh	98,750,754	\$0	98,750,754	\$0	98,750,754	\$0
Generation Rider	0.55211	per KW	161,517.3	89,175	161,517.3	89,175	161,517.3	89,175
Environmental Rider	0.00000	per Kwh	98,750,754	0	98,750,754	0	98,750,754	0
Transmission Rider	0.00000	per Kwh	98,750,754	0	98,750,754	0	98,750,754	0
Total Riders				\$89,175		\$89,175		\$89,175
Total Revenue				<u>\$4,976,907</u>		<u>\$4,793,230</u>		<u>\$4,874,206</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

Energy Rate			Demand Rate		
Prorate Factors			Prorate Factors		
18,000,000	18.228%	First 1.5 Million Kwh	57,085.5	35.343%	Summer
80,750,754	81.772%	Over 1.5 Million Kwh	104,431.8	64.657%	Winter
98,750,754	100.000%		161,517.3	100.000%	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Rate 30 (Sabin Contract)	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$100.00	per month	1	\$1,200	1	\$1,200	1	\$1,200
Energy 2/								
First 2.3 Million Kwh	\$0.01669	per Kwh	26,032,640	434,485	26,032,640	434,485	26,032,640	434,485
Over 2.3 Million Kwh	\$0.01144	per Kwh	1,135,200	12,987	1,135,200	12,987	1,135,200	12,987
			<u>27,167,840</u>	<u>447,472</u>	<u>27,167,840</u>	<u>447,472</u>	<u>27,167,840</u>	<u>447,472</u>
Demand 2/								
Summer								
First 5,000 Kw	\$8.58	per KW	18,126.8	155,528	18,126.8	155,528	18,126.8	155,528
Over 5,000 Kw	\$5.72	per KW	0.0	0	0.0	0	0.0	0
Winter								
First 5,000 Kw	\$5.72	per KW	37,098.1	212,201	37,098.1	212,201	37,098.1	212,201
Over 5,000 Kw	\$5.72	per KW	0.0	0	0.0	0	0.0	0
			<u>55,224.9</u>	<u>367,729</u>	<u>55,224.9</u>	<u>367,729</u>	<u>55,224.9</u>	<u>367,729</u>
Fuel at Current Rates	\$0.02283	per Kwh	27,167,840	\$620,242				
Fuel Projected 2022	0.02097	per Kwh			27,167,840	\$569,710		
Fuel Projected 2023	0.02179	per Kwh					27,167,840	\$591,987
Riders								
Renewable Rider	\$0.00000	per Kwh	27,167,840	\$0	27,167,840	\$0	27,167,840	\$0
Generation Rider	0.55211	per KW	55,224.9	30,490	55,224.9	30,490	55,224.9	30,490
Environmental Rider	0.00000	per Kwh	27,167,840	0	27,167,840	0	27,167,840	0
Transmission Rider	0.00000	per Kwh	27,167,840	0	27,167,840	0	27,167,840	0
Total Riders				<u>\$30,490</u>		<u>\$30,490</u>		<u>\$30,490</u>
Total Revenue				<u><u>\$1,467,133</u></u>		<u><u>\$1,416,601</u></u>		<u><u>\$1,438,878</u></u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Rate 30 (Sabin Contract)	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

Energy Rate			Demand Rate		
Prorate Factors			Prorate Factors		
26,032,640	95.822%	First 2.3 Million Kwh	18,126.8	32.824%	Summer - First 5,000 Kw
1,135,200	4.178%	Over 2.3 Million Kwh		0.000%	Summer - Over 5,000 Kw
27,167,840	100.000%		37,098.1	67.176%	Winter - First 5,000 Kw
				0.000%	Winter - Over 5,000 Kw
			55,224.9	100.000%	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General TOD Rate 31 Primary	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$97.00 per month		1	\$1,164	1	\$1,164	1	\$1,164
Energy 2/								
On-Peak	\$0.01607 per Kwh		652,800	\$10,490	652,800	\$10,490	652,800	\$10,490
Off-Peak	\$0.01357 per Kwh		1,825,200	24,768	1,825,200	24,768	1,825,200	24,768
Total Energy			2,478,000	\$35,258	2,478,000	\$35,258	2,478,000	\$35,258
Demand 2/								
On-Peak - Summer	\$15.25 per KW		1,761.1	\$26,857	1,761.1	\$26,857	1,761.1	\$26,857
Off-Peak - Summer	0.00 per KW		1,672.0	0	1,672.0	0	1,672.0	0
On-Peak - Winter	12.25 per KW		3,108.5	38,079	3,108.5	38,079	3,108.5	38,079
Off-Peak - Winter	0.00 per KW		2,951.7	0	2,951.7	0	2,951.7	0
			9,493.3	\$64,936	9,493.3	\$64,936	9,493.3	\$64,936
Fuel at Current Rates	\$0.02283 per Kwh		2,478,000	\$56,573				
Fuel Projected 2022	0.02097 per Kwh				2,478,000	\$51,964		
Fuel Projected 2023	0.02179 per Kwh						2,478,000	\$53,996
Riders								
Renewable Rider	\$0.00000 per Kwh		2,478,000	\$0	2,478,000	\$0	2,478,000	\$0
Generation Rider	0.55211 per KW		4,869.6	2,689	4,869.6	2,689	4,869.6	2,689
Environmental Rider	0.00000 per Kwh		2,478,000	0	2,478,000	0	2,478,000	0
Transmission Rider	0.00000 per Kwh		2,478,000	0	2,478,000	0	2,478,000	0
Total Riders				\$2,689		\$2,689		\$2,689
Total Revenue				<u>\$160,620</u>		<u>\$156,011</u>		<u>\$158,043</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General TOD Rate 31 Primary	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

Energy Rate			Demand Rate		
Prorate Factors			Prorate Factors		
652,800	26.344%	On-Peak	1,761.1	36.165%	On-Peak - Summer
1,825,200	73.656%	Off-Peak	3,108.5	63.835%	On-Peak - Winter
<u>2,478,000</u>	<u>100.000%</u>		<u>4,869.6</u>	<u>100.000%</u>	Total On-Peak
			1,672.0	36.162%	Off-Peak - Summer
			2,951.7	63.838%	Off-Peak - Winter
			<u>4,623.7</u>	<u>100.000%</u>	Total Off-Peak

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General TOD Rate 31 Secondary	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units 2/	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$72.00 per month		67	\$57,888	51	\$44,064	52	\$44,928
Energy 3/								
On-Peak	\$0.02512 per Kwh		4,116,039	\$103,395	3,856,807	\$96,883	3,865,623	\$97,104
Off-Peak	\$0.02262 per Kwh		10,697,789	241,984	9,964,894	225,406	9,987,672	225,921
Total Energy			14,813,828	\$345,379	13,821,701	\$322,289	13,853,295	\$323,025
Demand 3/								
Summer								
On-Peak	\$14.75 per KW		14,740.3	\$217,419	14,101.8	\$208,002	14,134.0	\$208,477
Off-Peak	0.00 per KW		15,255.8	0	14,611.2	0	14,644.6	0
Winter								
On-Peak	10.75 per KW		25,766.4	276,989	24,650.0	264,988	24,706.3	265,593
Off-Peak	0.00 per KW		26,373.0	0	25,259.0	0	25,316.7	0
			82,135.5	\$494,408	78,622.0	\$472,990	78,801.6	\$474,070
Fuel at Current Rates	\$0.02408 per Kwh		14,813,828	\$356,717				
Fuel Projected 2022	0.02163 per Kwh				13,821,701	\$298,963		
Fuel Projected 2023	0.02241 per Kwh						13,853,295	\$310,452
Riders								
Renewable Rider	\$0.00000 per Kwh		14,813,828	\$0	13,821,701	\$0	13,853,295	\$0
Generation Rider	0.55211 per KW		40,506.7	22,364	38,751.8	21,395	38,840.3	21,444
Environmental Rider	0.00000 per Kwh		14,813,828	0	13,821,701	0	13,853,295	0
Transmission Rider	0.00000 per Kwh		14,813,828	0	13,821,701	0	13,853,295	0
Total Riders				\$22,364		\$21,395		\$21,444
Total Revenue				<u>\$1,276,756</u>		<u>\$1,159,701</u>		<u>\$1,173,919</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General TOD Rate 31 Secondary	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units 2/	Revenue	Billing Units	Revenue

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/ 17 customer accounts moved to rate 30 in 2022.

Energy Rate			Demand Rate		
Prorate Factors			Prorate Factors		
4,116,039	27.785%	On-Peak	14,740.3	36.390%	On-Peak - Summer
10,697,789	72.215%	Off-Peak	25,766.4	63.610%	On-Peak - Winter
<u>14,813,828</u>	<u>100.000%</u>		<u>40,506.7</u>	<u>100.000%</u>	
			15,255.8	36.647%	Off-Peak - Summer
			26,373.0	63.353%	Off-Peak - Winter
			<u>41,628.8</u>	<u>100.000%</u>	
			<u>82,135.5</u>		

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

General Space Heating Secondary Rate 32	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$21.00	per month	587	\$147,924	595	\$149,940	603	\$151,956
Energy	\$0.02422	per Kwh	55,908,784	\$1,354,111	57,096,787	\$1,382,884	57,227,301	\$1,386,045
Demand 2/								
Summer	\$12.50	per KW	38,387.4	\$479,843	39,202.3	\$490,029	39,291.9	\$491,149
Winter	\$1.00	per KW	225,818.8	225,819	230,618.6	230,619	231,145.8	231,146
Total Demand			264,206.2	\$705,662	269,820.9	\$720,648	270,437.7	\$722,295
Fuel at Current Rates	\$0.02408	per Kwh	55,908,784	\$1,346,284				
Fuel Projected 2022	0.02163	per Kwh			57,096,787	\$1,235,004		
Fuel Projected 2023	0.02241	per Kwh					57,227,301	\$1,282,464
Riders								
Renewable Rider	\$0.00000	per Kwh	55,908,784	\$0	57,096,787	\$0	57,227,301	\$0
Generation Rider	0.24209	per KW	264,206.2	63,962	269,820.9	65,321	270,437.7	65,470
Environmental Rider	0.00000	per Kwh	55,908,784	0	57,096,787	0	57,227,301	0
Transmission Rider	0.00000	per Kwh	55,908,784	0	57,096,787	0	57,227,301	0
Total Riders				\$63,962		\$65,321		\$65,470
Total Revenue				<u>\$3,617,943</u>		<u>\$3,553,797</u>		<u>\$3,608,230</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/ Demand Prorate

Factors		
38,387.4	14.529%	Summer
225,818.8	85.471%	Winter
264,206.2	100.000%	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Interruptible Large Power Demand Response Rate 38	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/								
Customer 1	\$95.00	per month	1	\$1,140	1	\$1,140	1	\$1,140
Customer 2 2/	388.05	per month	1	4,657		-		-
Customer 3	100.00	per month	1	1,200	1	1,200	1	1,200
Customer 4 3/	300.00	per month					1	3,600
			<u>3</u>	<u>\$6,997</u>	<u>2</u>	<u>\$2,340</u>	<u>3</u>	<u>\$5,940</u>
Energy	\$0.01252	per Kwh	23,342,800	\$292,252	18,709,600	\$234,244	21,795,700	\$272,882
Demand								
Summer	\$11.00	per KW	27,085.1	\$297,936	22,988.8	\$252,877 4/	26,253.7	\$288,791 5/
Winter	8.00	per KW	52,861.8	422,894	46,866.4	374,931 4/	53,935.3	431,482 5/
Total Demand			<u>79,946.9</u>	<u>\$720,830</u>	<u>69,855.2</u>	<u>\$627,808</u>	<u>80,189.0</u>	<u>\$720,273</u>
Fuel at Current Rates	\$0.02283	per Kwh	23,342,800	\$532,916				
Fuel Projected 2022	0.02097	per Kwh			18,709,600	\$392,340		
Fuel Projected 2023	0.02179	per Kwh					21,795,700	\$474,928
Riders								
Renewable Rider	\$0.00000	per Kwh	23,342,800	\$0	18,709,600	\$0	21,795,700	\$0
Generation Rider	0.55211	per KW	79,946.9	44,139	69,855.2	38,568	80,189.0	44,273
Environmental Rider	0.00000	per Kwh	23,342,800	0	18,709,600	0	21,795,700	0
Transmission Rider	0.00000	per Kwh	23,342,800	0	18,709,600	0	21,795,700	0
Total Riders				<u>\$44,139</u>		<u>\$38,568</u>		<u>\$44,273</u>
Total Revenue				<u><u>\$1,597,134</u></u>		<u><u>\$1,295,300</u></u>		<u><u>\$1,518,296</u></u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Interruptible Large Power Demand Response Rate 38	Rate	Per Books at Current Rates		Projected 2022		Projected 2023	
		Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue

- 1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.
 2/ Rate 38 customer requested service be moved to General Service Rate 30 Primary in 2022.
 3/ Contract customer's service moves to Rate 38 effective January 1, 2023.
 4/ Projected 2022 Kw resulting from 2/.

		Customer		
Per Books Kw	Demand Rate Prorate Factors	removed in 2022 Per Books Kw	2022 Total Kw	
27,085.1	33.879%	4,096.3	22,988.8	
52,861.8	66.121%	5,995.4	46,866.4	
79,946.9	100.000%	10,091.7	69,855.2	

- 5/ Projected 2023 Kw resulting from 3/.

		Customer		
2022 Total Kw	Demand Rate Prorate Factors	moving in 2023 Per Books Kw	2023 Total Kw	
22,988.8	32.909%	3,264.9	26,253.7	
46,866.4	67.091%	7,068.9	53,935.3	
69,855.2	100.000%	10,333.8	80,189.0	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Interruptible Large Power Demand Response Rate 38 (Capitol Contract)	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/	\$100.00	per month	1	\$1,200	1	\$1,200	1	\$1,200
Energy	\$0.01252	per Kwh	10,190,400	\$127,584	10,190,400	\$127,584	10,190,400	\$127,584
Demand 2/ Summer	\$11.00	per KW	8,503.4	\$93,537	8,503.4	\$93,537	8,503.4	\$93,537
Winter	8.00	per KW	15,482.3	123,858	15,482.3	123,858	15,482.3	123,858
Total Demand			23,985.7	\$217,395	23,985.7	\$217,395	23,985.7	\$217,395
Fuel at Current Rates	\$0.02283	per Kwh	10,190,400	\$232,647				
Fuel Projected 2022	0.02097	per Kwh			10,190,400	\$213,693		
Fuel Projected 2023	0.02179	per Kwh					10,190,400	\$222,049
Riders								
Renewable Rider	\$0.00000	per Kwh	10,190,400	\$0	10,190,400	\$0	10,190,400	\$0
Generation Rider	0.55211	per KW	23,985.7	13,243	23,985.7	13,243	23,985.7	13,243
Environmental Rider	0.00000	per Kwh	10,190,400	0	10,190,400	0	10,190,400	0
Transmission Rider	0.00000	per Kwh	10,190,400	0	10,190,400	0	10,190,400	0
Total Riders				\$13,243		\$13,243		\$13,243
Total Revenue				\$592,069		\$573,115		\$581,471

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/

Demand Prorate		
8,503.4	35.452%	Summer
15,482.3	64.548%	Winter
23,985.7	100.000%	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Interruptible Large Power (American Colloid Contract)	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue 2/	Billing Units	Revenue 2/	Billing Units	Revenue 3/
Basic Service Charge 1/	\$300.00	per month	1	\$3,600	1	\$3,600	0	\$0
Energy	\$0.01053	per Kwh	3,086,100	\$32,497	3,086,100	\$32,497	0	\$0
Demand	\$5.638	per KW						
Summer 4/	\$8.319	per KW	3,264.9	\$27,161	3,264.9	\$27,161	0.0	\$0
Winter 4/	6.819	per KW	7,068.9	48,203	7,068.9	48,203	0.0	0
Total Demand			10,333.8	\$75,364	10,333.8	\$75,364	0.0	\$0
Fuel at Current Rates	\$0.02283	per Kwh	3,086,100	\$70,456				
Fuel Projected 2022	0.02097	per Kwh			3,086,100	\$64,716		
Fuel Projected 2023	0.02179	per Kwh					0	\$0
Riders								
Renewable Rider	\$0.00000	per Kwh	3,086,100	\$0	3,086,100	\$0	0	\$0
Generation Rider	0.55211	per KW	10,333.8	5,705	10,333.8	5,705	0.0	0
Environmental Rider	0.00000	per Kwh	3,086,100	0	3,086,100	0	0	0
Transmission Rider	0.00000	per Kwh	3,086,100	0	3,086,100	0	0	0
Total Riders				\$5,705		\$5,705		\$0
Total Revenue				<u>\$187,622</u>		<u>\$181,882</u>		<u>\$0</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/ Per terms of contract, Energy Charge of \$0.01053 and summer/winter Demand Charges become applicable January 1, 2022.

3/ Per terms of contract, Rate 38 charges become applicable January 1, 2023.

4/ Demand Prorate

Factors		
3,264.9	31.594%	Summer
7,068.9	68.406%	Winter
<u>10,333.8</u>	<u>100.000%</u>	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Lighting Service Primary, Rate 41	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Energy								
Accts with No Discount	\$0.05096	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 1/	0.04586	per Kwh	1,174,555	53,865	1,174,555	53,865	1,174,555	53,865
Total Energy			1,174,555	\$53,865	1,174,555	\$53,865	1,174,555	\$53,865
Fuel at Current Rates	\$0.02283	per Kwh	1,174,555	\$26,815				
Fuel Projected 2022	0.02097	per Kwh			1,174,555	\$24,630		
Fuel Projected 2023	0.02179	per Kwh					1,174,555	\$25,594
Riders								
Renewable Rider								
Accts with No Discount	\$0.00000	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 1/	0.00000	per Kwh	1,174,555	0	1,174,555	0	1,174,555	0
Total Renewable Rider			1,174,555	\$0	1,174,555	\$0	1,174,555	\$0
Generation Rider								
Accts with No Discount	\$0.00092	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 1/	0.00083	per Kwh	1,174,555	975	1,174,555	975	1,174,555	975
Total Generation Rider			1,174,555	\$975	1,174,555	\$975	1,174,555	\$975
Environmental Rider								
Accts with No Discount	\$0.00000	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 1/	0.00000	per Kwh	1,174,555	0	1,174,555	0	1,174,555	0
Total Environmental Rider			1,174,555	\$0	1,174,555	\$0	1,174,555	\$0
Transmission Rider								
Accts with No Discount	\$0.00000	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 1/	0.00000	per Kwh	1,174,555	0	1,174,555	0	1,174,555	0
Total Transmission Rider			1,174,555	\$0	1,174,555	\$0	1,174,555	\$0
Total Riders				\$975		\$975		\$975
Total Revenue				\$81,655		\$79,470		\$80,434

1/ Charges for energy and riders are discounted to reflect 10% city discount as discount is applicable to all rate components excluding the FPPA.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Lighting Service Secondary, Rate 41	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Energy 2/								
Accts with No Discount	\$0.05596	per Kwh	1,187,157	\$66,433	1,187,157	\$66,433	1,187,157	\$66,433
Accts with 10% Discount 1/	0.05036	per Kwh	10,946,620	551,272	10,946,620	551,272	10,946,620	551,272
Total Energy			12,133,777	\$617,705	12,133,777	\$617,705	12,133,777	\$617,705
Fuel at Current Rates	\$0.02408	per Kwh	12,133,777	\$292,181				
Fuel Projected 2022	0.02163	per Kwh			12,133,777	\$262,454		
Fuel Projected 2023	0.02241	per Kwh					12,133,777	\$271,918
Riders								
Renewable Rider								
Accts with No Discount	\$0.00000	per Kwh	1,187,157	\$0	1,187,157	\$0	1,187,157	\$0
Accts with 10% Discount 1/	0.00000	per Kwh	10,946,620	0	10,946,620	0	10,946,620	0
Total Renewable Rider			12,133,777	\$0	12,133,777	\$0	12,133,777	\$0
Generation Rider								
Accts with No Discount	\$0.00092	per Kwh	1,187,157	\$1,092	1,187,157	\$1,092	1,187,157	\$1,092
Accts with 10% Discount 1/	0.00083	per Kwh	10,946,620	9,086	10,946,620	9,086	10,946,620	9,086
Total Generation Rider			12,133,777	\$10,178	12,133,777	\$10,178	12,133,777	\$10,178
Environmental Rider								
Accts with No Discount	\$0.00000	per Kwh	1,187,157	\$0	1,187,157	\$0	1,187,157	\$0
Accts with 10% Discount 1/	0.00000	per Kwh	10,946,620	0	10,946,620	0	10,946,620	0
Total Environmental Rider			12,133,777	\$0	12,133,777	\$0	12,133,777	\$0
Transmission Rider								
Accts with No Discount	\$0.00000	per Kwh	1,187,157	\$0	1,187,157	\$0	1,187,157	\$0
Accts with 10% Discount 1/	0.00000	per Kwh	10,946,620	0	10,946,620	0	10,946,620	0
Total Transmission Rider			12,133,777	\$0	12,133,777	\$0	12,133,777	\$0
Total Riders				\$10,178		\$10,178		\$10,178
Total Revenue				\$920,064		\$890,337		\$899,801

1/ Charges for energy and riders are discounted to reflect 10% city discount as discount is applicable to all rate components excluding the FPPA.

2/ Prorate Factors:	Kwh	%
Discounted	10,946,620	90.216%
Not Discounted	1,187,157	9.784%
	12,133,777	100.000%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Pumping Service Primary Rate 48	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/ Accts with No Discount	\$80.00	per month	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 2/	72.00	per month	5	4,320	5	4,320	5	4,320
Total Basic Service Charge			5	\$4,320	5	\$4,320	5	\$4,320
Energy								
Accts with No Discount	\$0.01798	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 2/	0.01618	per Kwh	23,520,600	380,563	23,520,600	380,563	23,520,600	380,563
Total Energy			23,520,600	\$380,563	23,520,600	\$380,563	23,520,600	\$380,563
Demand Billed 3/ Summer								
Accts with No Discount	\$9.00	per KW	0.0	\$0	0.0	\$0	0.0	\$0
Accts with 10% Discount 2/	8.10	per KW	20,780.4	168,321	20,780.4	\$168,321	20,780.4	168,321
Winter								
Accts with No Discount	6.00	per KW	0.0	0	0.0	0	0.0	0
Accts with 10% Discount 2/	5.40	per KW	30,215.0	163,161	30,215.0	163,161	30,215.0	163,161
Total Demand Billed			50,995.4	\$331,482	50,995.4	\$331,482	50,995.4	\$331,482
Fuel at Current Rates	\$0.02283	per Kwh	23,520,600	\$536,975				
Fuel Projected 2022	0.02097	per Kwh			23,520,600	\$493,227		
Fuel Projected 2023	0.02179	per Kwh					23,520,600	\$512,514
Riders								
Renewable Rider								
Accts with No Discount	\$0.00000	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 2/	0.00000	per Kwh	23,520,600	0	23,520,600	0	23,520,600	0
Total Renewable Rider			23,520,600	0	23,520,600	0	23,520,600	0
Generation Rider								
Accts with No Discount	0.55211	per KW	0.0	\$0	0.0	\$0	0.0	\$0
Accts with 10% Discount 2/	0.49690	per KW	50,995.4	25,340	50,995.4	25,340	50,995.4	25,340
Total Generation Rider			50,995.4	25,340	50,995.4	25,340	50,995.4	25,340

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Pumping Service Primary Rate 48	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Environmental Rider								
Accts with No Discount	\$0.00000	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 2/	0.00000	per Kwh	23,520,600	0	23,520,600	0	23,520,600	0
Total Environmental Rider			23,520,600	0	23,520,600	0	23,520,600	0
Transmission Rider								
Accts with No Discount	\$0.00000	per Kwh	0	\$0	0	\$0	0	\$0
Accts with 10% Discount 2/	0.00000	per Kwh	23,520,600	0	23,520,600	0	23,520,600	0
Total Transmission Rider			23,520,600	0	23,520,600	0	23,520,600	0
Total Riders				\$25,340		\$25,340		\$25,340
Total Revenue				<u>\$1,278,680</u>		<u>\$1,234,932</u>		<u>\$1,254,219</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/ Basic service charge, energy charge, demand charge, and riders are discounted to reflect 10% city discount as discount is not applicable to Fuel and Purchased Power.

3/ Demand Prorate Factors	KW	%
Summer	20,780.4	40.750%
Winter	30,215.0	59.250%
	<u>50,995.4</u>	<u>100.000%</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Pumping Service Secondary Rate 48	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Basic Service Charge 1/								
Accts with No Discount	\$45.00	per month	55	\$29,700	55	\$29,700	55	\$29,700
Accts with 10% Discount 2/	40.50	per month	248	120,528	248	120,528	248	120,528
Total Basic Service Charge			303	150,228	303	150,228	303	150,228
Excess Facilities Charge	\$194.15	per month	1	2,330	1	2,330	1	2,330
				\$152,558		\$152,558		\$152,558
Energy 3/								
Accts with No Discount	\$0.01898	per Kwh	3,423,186	\$64,972	3,423,186	\$64,972	3,423,186	\$64,972
Accts with 10% Discount 2/	0.01708	per Kwh	18,922,797	323,201	18,922,797	323,201	18,922,797	323,201
Total Energy			22,345,983	\$388,173	22,345,983	\$388,173	22,345,983	\$388,173
Demand Billed 3/								
Accts with No Discount								
Summer	\$9.00	per KW	4,221.1	\$37,990	4,221.1	\$37,990	4,221.1	\$37,990
Winter	6.00	per KW	8,140.2	48,841	8,140.2	48,841	8,140.2	48,841
Total No Discount			12,361.3	86,831	12,361.3	86,831	12,361.3	86,831
Accts with 10% Discount 2/								
Summer	\$8.10	per KW	21,981.3	178,049	21,981.3	178,049	21,981.3	178,049
Winter	5.40	per KW	40,123.7	216,668	40,123.7	216,668	40,123.7	216,668
Total Discount			62,105.0	394,717	62,105.0	394,717	62,105.0	394,717
Total Demand Billed			74,466.3	\$481,548	74,466.3	\$481,548	74,466.3	\$481,548
Installed KVA (HP)								
Accts with No Discount								
Summer	\$9.00	per KW	346.5	\$3,119	346.5	\$3,119	346.5	\$3,119
Winter	6.00	per KW	687.7	4,126	687.7	4,126	687.7	4,126
Total No Discount			1,034.2	7,245	1,034.2	7,245	1,034.2	7,245

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Pumping Service Secondary Rate 48	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Accts with 10% Discount 2/								
Summer	\$8.10	per KW	2,708.9	21,942	2,708.9	21,942	2,708.9	21,942
Winter	5.40	per KW	5,475.5	29,568	5,475.5	29,568	5,475.5	29,568
Total Discount			8,184.4	51,510	8,184.4	51,510	8,184.4	51,510
Total Installed KVA (HP)			9,218.6	58,755	9,218.6	58,755	9,218.6	58,755
 Total Demand			<u>83,684.9</u>	<u>\$540,303</u>	<u>83,684.9</u>	<u>\$540,303</u>	<u>83,684.9</u>	<u>\$540,303</u>
 Fuel at Current Rates	\$0.02408	per Kwh	22,345,983	\$538,091				
Fuel Projected 2022	0.02163	per Kwh			22,345,983	\$483,344		
Fuel Projected 2023	0.02241	per Kwh					22,345,983	\$500,773
 Riders								
Renewable Rider								
Accts with No Discount	\$0.00000	per Kwh	3,423,186	\$0	3,423,186	\$0	3,423,186	\$0
Accts with 10% Discount 2/	0.00000	per Kwh	18,922,797	0	18,922,797	0	18,922,797	0
Total Renewable Rider			22,345,983	0	22,345,983	0	22,345,983	0
Generation Rider								
Demand Billed								
Accts with No Discount	\$0.55211	per KW	12,361.3	6,825	12,361.3	6,825	12,361.3	6,825
Accts with 10% Discount 2/	\$0.49690	per KW	62,105.0	30,860	62,105.0	30,860	62,105.0	30,860
Total Demand Billed			74,466.3	37,685	74,466.3	37,685	74,466.3	37,685
Installed KVA (HP)								
Accts with No Discount	\$0.55211	per KW	1,034.2	571	1,034.2	571	1,034.2	571
Accts with 10% Discount 2/	\$0.49690	per KW	8,184.4	4,067	8,184.4	4,067	8,184.4	4,067
Total Installed KVA (HP)			9,218.6	4,638	9,218.6	4,638	9,218.6	4,638
Total Generation Rider			83,684.9	42,323	83,684.9	42,323	83,684.9	42,323
Environmental Rider								
Accts with No Discount	\$0.00000	per Kwh	3,423,186	0	3,423,186	0	3,423,186	0
Accts with 10% Discount 2/	0.00000	per Kwh	18,922,797	0	18,922,797	0	18,922,797	0
Total Environmental Rider			22,345,983	0	22,345,983	0	22,345,983	0

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Municipal Pumping Service Secondary Rate 48	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Transmission Rider								
Accts with No Discount	\$0.00000	per Kwh	3,423,186	0	3,423,186	0	3,423,186	0
Accts with 10% Discount 2/	0.00000	per Kwh	18,922,797	0	18,922,797	0	18,922,797	0
Total Transmission Rider			22,345,983	0	22,345,983	0	22,345,983	0
Total Riders				\$42,323		\$42,323		\$42,323
Total Revenue				<u>\$1,661,448</u>		<u>\$1,606,701</u>		<u>\$1,624,130</u>

1/ Basic service charge revenue = billing units * basic service charge rate * 12 months.

2/ Basic service charge, energy charge, demand charge, and riders are discounted to reflect 10% city discount as discount is not applicable to Fuel and Purchased Power.

3/ Prorate Factors:

Energy (Kwh)	Kwh	%
Discounted	18,922,797	84.681%
Not Discounted	3,423,186	15.319%
Total Energy	<u>22,345,983</u>	<u>100.000%</u>

Demand						
Discounted	KW Billed		HP Billed		Total Demand	
Summer	21,981.3	35.394%	2,708.9	33.098%	24,690.2	35.126%
Winter	40,123.7	64.606%	5,475.5	66.902%	45,599.2	64.874%
	62,105.0	100.000%	8,184.4	100.000%	70,289.4	100.000%
Not Discounted						
Summer	4,221.1	34.148%	346.5	33.504%	4,567.6	34.098%
Winter	8,140.2	65.852%	687.7	66.496%	8,827.9	65.902%
	12,361.3	100.000%	1,034.2	100.000%	13,395.5	100.000%
Total						
Summer	26,202.4		3,055.4		29,257.8	
Winter	48,263.9		6,163.2		54,427.1	
	<u>74,466.3</u>		<u>9,218.6</u>		<u>83,684.9</u>	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Outdoor Lighting Service Primary, Rate 52	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Energy	\$0.06357	per Kwh	34,081	\$2,167	34,081	\$2,167	34,081	\$2,167
Fuel at Current Rates	\$0.02283	per Kwh	34,081	\$778				
Fuel Projected 2022	0.02097	per Kwh			34,081	\$715		
Fuel Projected 2023	0.02179	per Kwh					34,081	\$743
Riders								
Renewable Rider	\$0.00000	per Kwh	34,081	\$0	34,081	\$0	34,081	\$0
Generation Rider	0.00092	per Kwh	34,081	31	34,081	31	34,081	31
Environmental Rider	0.00000	per Kwh	34,081	0	34,081	0	34,081	0
Transmission Rider	0.00000	per Kwh	34,081	0	34,081	0	34,081	0
Total Riders				\$31		\$31		\$31
Total Revenue				\$2,976		\$2,913		\$2,941

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Summary of Revenues
Twelve Months Ended December 31, 2021**

Outdoor Lighting Service Secondary, Rate 52	Rate		Per Books at Current Rates		Projected 2022		Projected 2023	
			Billing Units	Revenue	Billing Units	Revenue	Billing Units	Revenue
Energy	\$0.06763	per Kwh	3,861,611	\$261,161	3,949,057	\$267,075	3,958,084	\$267,685
Fuel at Current Rates	\$0.02408	per Kwh	3,861,611	\$92,988				
Fuel Projected 2022	0.02163	per Kwh			3,949,057	\$85,418		
Fuel Projected 2023	0.02241	per Kwh					3,958,084	\$88,701
Riders								
Renewable Rider	\$0.00000	per Kwh	3,861,611	\$0	3,949,057	\$0	3,958,084	\$0
Generation Rider	0.00092	per Kwh	3,861,611	3,553	3,949,057	3,633	3,958,084	3,641
Environmental Rider	0.00000	per Kwh	3,861,611	0	3,949,057	0	3,958,084	0
Transmission Rider	0.00000	per Kwh	3,861,611	0	3,949,057	0	3,958,084	0
Total Rides				\$3,553		\$3,633		\$3,641
Total Revenue				<u>\$357,702</u>		<u>\$356,126</u>		<u>\$360,027</u>

MONTANA-DAKOTA UTILITIES CO.
MISCELLANEOUS REVENUES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023

Case No. PU-22-____
Statement F
Schedule F-2
Page 1 of 1

	Per Books 2021	Projected 2022	Projected 2023
<u>Miscellaneous Service Revenue:</u>			
Seasonal Reconnect Fee 1/	\$12,080	\$12,480	\$12,480
Reconnect Fee - Nonpayment 1/	29,840	33,240	33,240
NSF Check fees 1/	34,530	34,041	34,041
Work for Others 8/	0	7,599	7,599
Energy Diversion 4/	2,040	1,695	1,695
Total	<u>\$78,490</u>	<u>\$89,055</u>	<u>\$89,055</u>
<u>Rent from Property:</u>			
Buildings 2/	\$19,464	\$19,583	\$19,583
General Office - COS 2/	1,155,577	1,117,641	1,117,641
Equipment (Incl WAPA fiber) 3/	113,347	113,347	113,347
Parking Lots 3/	0	0	0
Pole Attachments 3/	77,937	77,937	77,937
Street Lights 3/	903,186	903,186	903,186
Yard Lights 3/	360,800	360,800	360,800
Miscellaneous 4/	19,090	17,621	17,621
Joint Use agreements 4/	17,012	17,644	17,644
Total	<u>\$2,666,413</u>	<u>\$2,627,759</u>	<u>\$2,627,759</u>
<u>Other Revenue:</u>			
Sale of Junk 4/	\$90,597	\$43,398	\$43,398
Patronage Dividends 4/	16,967	15,145	15,145
Joint Use / Meter Reading 5/	81,912	82,144	82,144
Late Payment Revenue 6/	213,817	176,345	178,090
Miscellaneous 7/	38,375	70,203	70,203
Coyote Misc. Revenue 3/	0	0	0
Glendive Misc. Revenue 8/	213,187	107	107
Diamond Willow Misc. Revenue 3/	0	0	0
Big Stone Misc. Revenue 3/	207,328	207,328	207,328
KVAR Penalty Revenue 4/	641,885	584,936	584,936
Sale of RECs 9/	1,296,373	0	0
Total	<u>\$2,800,441</u>	<u>\$1,179,606</u>	<u>\$1,181,351</u>
Total	<u>\$5,545,344</u>	<u>\$3,896,420</u>	<u>\$3,898,165</u>
<u>Transmission Cost Adjustment (TCA) Revenue</u>			
<u>Other Revenue: 10/</u>			
Facilities Credit - SPP & Basin	\$8,680,838	\$0	\$0
MISO Transmission Revenue	586,594	0	0
Schedule 26 Revenue	803,699	0	0
MISO Other Revenue	2,827,840	0	0
	<u>\$12,898,971</u>	<u>\$0</u>	<u>\$0</u>
<u>Retired Assets Revenue</u>			
<u>Other Revenue: 11/</u>			
Heskett Sale of Fly Ash	\$61	\$0	\$0
Heskett Misc. Revenue	5,587	0	0
Lewis & Clark Misc. Revenue	3,336	0	0
	<u>\$8,984</u>	<u>\$0</u>	<u>\$0</u>
Total Miscellaneous Revenue	<u>\$18,453,299</u>	<u>\$3,896,420</u>	<u>\$3,898,165</u>

- 1/ Restated to reflect a two year (2019 & 2021) average.
2/ Updated to reflect an annualized 2022 based on activity through January.
3/ Projected 2022 and 2023 to remain at 2021 level.
4/ Restated to reflect a three year average.
5/ Based on 2021 actuals.
6/ Based on the ratio of 2019 and 2020 Late Payment to Sales Revenue of 0.103 percent also includes Riders.
7/ Restated to reflect a three year average without FERC Schedule GG ROE True-up.
8/ Restated to reflect a two year (2019 through 2020) average.
9/ No REC Revenue is projected as the revenue is returned through the FPPA.
10/ Included in Transmission Cost Adjustment Rider.
11/ Plants no longer in service.

MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF OPERATION AND MAINTENANCE EXPENSES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023

	Per Books 2021 1/	Adjusted 2021 2/	Projected 3/	
			2022	2023
Fuel & Purchased Power	\$44,160,937	\$43,422,976	\$44,292,587	\$45,814,244
Production	21,818,487	13,834,914	12,684,818	13,324,439
Transmission	26,437,092	5,809,364	6,252,301	6,495,412
Distribution	9,354,175	9,399,930	10,512,778	11,249,462
Customer Accounting	2,540,494	2,566,030	2,809,745	2,895,512
Customer Service & Information	229,260	230,376	247,593	256,354
Sales	94,822	95,177	99,046	102,864
Administrative & General	19,554,295	18,644,849	19,547,172	21,440,879
Total Operation & Maintenance	<u>\$124,189,562</u>	<u>\$94,003,616</u>	<u>\$96,446,040</u>	<u>\$101,579,166</u>

1/ Includes total North Dakota electric operations Operation and Maintenance expenses.

2/ Excludes Operation and Maintenance costs associated with the Renewable Rider,
Transmission Rider, and Heskett Unit I & II and Lewis & Clark I.

3/ Rider expenses are excluded.

**MONTANA-DAKOTA UTILITIES CO.
TOTAL OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
ITEMS ADJUSTED INDIVIDUALLY**

Function	Per Books 2021	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone & Coyote	Materials	Vehicles & Work Equipment	Company Utilities	Postage
Fuel & Purchased Power	\$44,160,937	\$43,357,896	\$551,071		\$182,810	\$65,059	\$1,678	\$0		
<u>Other O&M</u>										
Production	\$21,818,487	2,075,730	6,322,646		3,965,158	7,463,568	487,782	60,384	\$75,354	\$2,520
Transmission	26,437,092	336,259	3,541,964		21,315,692	(7,669)	213,980	255,749	18,462	59
Distribution	9,354,175		6,305,174		1,800,128		438,668	814,790	139,918	7,717
Customer Accounting	2,540,494		1,390,189		33,245		59	87,180	1,766	278,659
Customer Service & Information	229,260		162,173					2,670		
Sales	94,822		87,233		0		0	2,147	0	
Administrative & General	19,554,295		7,000,429	\$3,873,863	730,877	9,731	26,764	25,296	148,081	113,055
Total Other O&M	\$80,028,625	2,411,989	\$24,809,808	\$3,873,863	\$27,845,100	\$7,465,630	\$1,167,253	\$1,248,216	\$383,581	\$402,010
Total O&M	\$124,189,562	45,769,885	\$25,360,879	\$3,873,863	\$28,027,910	\$7,530,689	\$1,168,931	\$1,248,216	\$383,581	\$402,010
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**MONTANA-DAKOTA UTILITIES CO.
TOTAL OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
ITEMS ADJUSTED INDIVIDUALLY**

Function	Uncollectible Accounts	Advertising	Industry Dues	Insurance	Regulatory Commission Expense	Software Maintenance	COVID	Items Adjusted Individually	Total Items All Other O&M
Fuel & Purchased Power								\$44,158,514	\$2,423
<u>Other O&M</u>									
Production						\$173,923	\$65,240	20,692,305	1,126,182
Transmission						399,432	16,260	26,090,188	346,904
Distribution	(\$510)					68,308	33,960	9,608,153	(253,978)
Customer Accounting	620,922	\$6				7,442	72,667	2,492,135	48,359
Customer Service & Information		63,220					1,029	229,092	168
Sales		4,783					406	94,569	253
Administrative & General		66,092	\$229,847	\$2,278,279	\$321,272	1,243,922	525,386	16,592,894	2,961,401
Total Other O&M	\$620,412	\$134,101	\$229,847	\$2,278,279	\$321,272	\$1,893,027	\$714,948	\$75,799,336	\$4,229,289
Total O&M	\$620,412	\$134,101	\$229,847	\$2,278,279	\$321,272	\$1,893,027	\$714,948	\$119,957,850	\$4,231,712
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**MONTANA-DAKOTA UTILITIES CO.
TOTAL OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
ADJUSTED TWELVE MONTHS ENDING DECEMBER 31, 2021
ITEMS ADJUSTED INDIVIDUALLY**

Function	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone & Coyote	Materials	Vehicles & Work Equipment	Company Utilities	Postage	Uncollectible Accounts
Fuel & Purchased Power	\$43,357,896	\$0		\$0	\$65,059	\$0	\$0			
<u>Other O&M</u>										
Production	2,075,729	2,790,997		766,092	7,463,568	171,308	27,106	\$36,885	\$826	
Transmission	336,259	3,541,964		646,763	(7,669)	213,980	255,749	18,462	59	
Distribution		6,305,174		1,800,128		438,668	814,790	139,918	7,717	(\$510)
Customer Accounting		1,390,189		33,245		59	87,180	1,766	278,659	620,922
Customer Service & Information		162,173					2,670			
Sales		87,233		0		0	2,147	0		
Administrative & General		7,000,429	\$3,161,635	730,877	9,731	26,764	25,296	148,081	113,055	
Total Other O&M	2,411,988	\$21,278,159	\$3,161,635	\$3,977,105	\$7,465,630	\$850,779	\$1,214,938	\$345,112	\$400,316	\$620,412
Total O&M	\$45,769,884	\$21,278,159	\$3,161,635	\$3,977,105	\$7,530,689	\$850,779	\$1,214,938	\$345,112	\$400,316	\$620,412
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MONTANA-DAKOTA UTILITIES CO.
TOTAL OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
ADJUSTED TWELVE MONTHS ENDING DECEMBER 31, 2021
ITEMS ADJUSTED INDIVIDUALLY

Function	Advertising	Industry Dues	Insurance	Regulatory Commission Expense	Software Maintenance	COVID	All Other O&M	Total
Fuel & Purchased Power							\$21	\$43,422,976
<u>Other O&M</u>								
Production					\$173,923	\$138,175	190,305	\$13,834,914
Transmission					399,432	57,461	346,904	\$5,809,364
Distribution					68,308	79,715	(253,978)	\$9,399,930
Customer Accounting	\$6				7,442	98,203	48,359	\$2,566,030
Customer Service & Information	63,220					2,145	168	\$230,376
Sales	4,783					761	253	\$95,177
Administrative & General	66,092	\$229,847	\$2,278,279	\$16,083	1,243,922	633,357	2,961,401	\$18,644,849
Total Other O&M	\$134,101	\$229,847	\$2,278,279	\$16,083	\$1,893,027	\$1,009,817	\$3,293,412	\$50,580,640
Total O&M	\$134,101	\$229,847	\$2,278,279	\$16,083	\$1,893,027	\$1,009,817	\$3,293,433	\$94,003,616
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**MONTANA-DAKOTA UTILITIES CO.
OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Function	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone & Coyote	Vehicles & Work Equipment	Materials	Company Utilities	Postage	Uncollectible Accounts
Fuel & Purchased Power	\$44,226,876	\$0		\$0	\$65,689	\$0	\$0			
<u>Other O&M</u>										
Production	736,562	3,012,213		791,909	7,412,183	36,326	188,439	\$42,546	\$826	
Transmission	336,589	3,825,501		668,559	10,651	342,768	235,378	21,917	59	
Distribution		6,965,864		1,860,792		1,092,019	562,689	178,320	7,717	\$0
Customer Accounting		1,553,181		34,365		116,852	586	3,740	287,789	650,595
Customer Service & Information		176,272				3,579				
Sales		94,796		0		2,884	0	317		
Administrative & General		7,071,813	\$3,261,407	864,897	0	33,899	30,303	157,622	113,055	
Total Other O&M	1,073,151	\$22,699,640	\$3,261,407	\$4,220,522	\$7,422,834	\$1,628,327	\$1,017,395	\$404,462	\$409,446	\$650,595
Total O&M	<u>\$45,300,027</u>	<u>\$22,699,640</u>	<u>\$3,261,407</u>	<u>\$4,220,522</u>	<u>\$7,488,523</u>	<u>\$1,628,327</u>	<u>\$1,017,395</u>	<u>\$404,462</u>	<u>\$409,446</u>	<u>\$650,595</u>
See Page Number:	9	10	14	18	19	21	20	22	24	23

**MONTANA-DAKOTA UTILITIES CO.
OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

Function	Advertising	Industry Dues	Insurance	Regulatory Commission Expense	Software Maintenance	COVID	All Other O&M	Projected 2022 O&M
Fuel & Purchased Power							\$22	\$44,292,587
<u>Other O&M</u>								
Production					\$124,265	\$142,831	196,718	12,684,818
Transmission					392,887	59,397	358,595	6,252,301
Distribution					25,513	82,401	(262,537)	10,512,778
Customer Accounting	\$0				11,136	101,512	49,989	2,809,745
Customer Service & Information	65,351					2,217	174	247,593
Sales	0					787	262	99,046
Administrative & General	61,616	\$229,284	\$2,530,276	\$72,603	1,503,270	654,701	2,962,426	19,547,172
Total Other O&M	\$126,967	\$229,284	\$2,530,276	\$72,603	\$2,057,071	\$1,043,846	\$3,305,627	\$52,153,453
Total O&M	\$126,967	\$229,284	\$2,530,276	\$72,603	\$2,057,071	\$1,043,846	\$3,305,649	\$96,446,040
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**MONTANA-DAKOTA UTILITIES CO.
OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Function	Fuel & Purchased Power	Labor	Benefits	Subcontract Labor	Big Stone & Coyote	Vehicles & Work Equipment	Materials	Company Utilities	Postage	Uncollectible Accounts
Fuel & Purchased Power	\$45,746,990	\$0		\$0	\$67,231	\$0	\$0			
<u>Other O&M</u>										
Production	775,827	3,131,798		812,182	7,823,309	36,639	216,491	\$38,607	\$826	
Transmission	333,985	3,977,053		685,674	10,971	345,732	247,147	21,821	59	
Distribution		7,623,967		1,908,428		1,101,456	590,823	172,969	7,717	\$0
Customer Accounting		1,614,769		35,245		117,868	615	3,740	298,271	657,031
Customer Service & Information		183,268				3,610				
Sales		98,558		0		2,913	0	317		
Administrative & General		7,296,518	\$3,979,334	967,061	0	34,190	31,818	152,435	113,055	
Total Other O&M	1,109,812	23,925,931	\$3,979,334	\$4,408,590	\$7,834,280	\$1,642,408	\$1,086,894	\$389,889	\$419,928	\$657,031
Total O&M	<u>\$46,856,802</u>	<u>\$23,925,931</u>	<u>\$3,979,334</u>	<u>\$4,408,590</u>	<u>\$7,901,511</u>	<u>\$1,642,408</u>	<u>\$1,086,894</u>	<u>\$389,889</u>	<u>\$419,928</u>	<u>\$657,031</u>
See Page Number:	9	10	14	18	19	21	20	22	24	23

**MONTANA-DAKOTA UTILITIES CO.
OPERATION & MAINTENANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

Function	Advertising	Industry Dues	Insurance	Regulatory Commission Expense	Software Maintenance	COVID	All Other O&M	Projected 2023 O&M
Fuel & Purchased Power							\$23	\$45,814,244
<u>Other O&M</u>								
Production					\$140,519	\$146,487	201,754	13,324,439
Transmission					444,277	60,918	367,775	6,495,412
Distribution					28,850	84,510	(269,258)	11,249,462
Customer Accounting	\$0				12,593	104,111	51,269	2,895,512
Customer Service & Information	67,024					2,274	178	256,354
Sales	0					807	269	102,864
Administrative & General	63,193	\$226,557	\$2,844,554	\$322,541	1,699,898	671,461	3,038,264	21,440,879
Total Other O&M	\$130,217	\$226,557	\$2,844,554	\$322,541	\$2,326,137	\$1,070,568	\$3,390,251	55,764,922
Total O&M	\$130,217	\$226,557	\$2,844,554	\$322,541	\$2,326,137	\$1,070,568	\$3,390,274	\$101,579,166
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**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Projected 2022	2023
Fuel and Purchased Power	\$43,357,896	\$44,226,876	\$45,746,990
Production	2,075,730	736,562	775,827
Transmission	336,259	336,589	333,985
Total	<u>\$45,769,885</u>	<u>\$45,300,027</u>	<u>\$46,856,802</u>

Projected costs recovered through the Fuel and Purchased Power Cost Adjustment, by account:

	Per Books 2021	Projected 2022	2023
Fuel and Purchased Power Costs			
Accounts 501 Coal and 547 Gas	\$32,871,576	\$17,844,472	\$18,502,725
Account 502 Reagent 1/	1,719,674	736,562	775,827
Account 502 Sand 1/	356,056	0	0
Account 555 Energy	12,499,218	22,841,302	23,830,979
Accounts 555 Demand and 547 Pipeline Charges	3,211,901	3,541,102	3,413,286
Account 575 Market Admin. 1/	336,259	336,589	333,985
Total Fuel and Purchased Power Costs	<u>\$50,994,684</u>	<u>\$45,300,027</u>	<u>\$46,856,802</u>
Other			
Deferred Fuel and Purchased Power Costs	(5,224,799)	0	0
Total Fuel and Purchased Power Costs	<u>\$45,769,885</u>	<u>\$45,300,027</u>	<u>\$46,856,802</u>
Less:			
Wholesale Sales Revenue 2/	\$1,185,619	\$0	\$0
Sale of RECs Revenue 2/	356,100	0	0
Total Revenue	<u>\$1,541,719</u>	<u>\$0</u>	<u>\$0</u>
Net System Cost	<u>\$44,228,166</u>	<u>\$45,300,027</u>	<u>\$46,856,802</u>

1/ Account 502 is recorded as production expense and account 575 is transmission expense.

2/ Projected costs associated with the Fuel and Purchased Power - Sales for Resale have been excluded from the total Fuel and Purchased Power expense along with the revenues as they are an equal offset to the Fuel and Purchased Power adjustment.

MONTANA-DAKOTA UTILITIES CO.
LABOR EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023

	Per Books 2021	Adjusted Per Books 2021	Projected	
			2022 1/	2023 2/
Fuel & Purchased Power	\$551,071	\$0	\$0	\$0
Production	6,322,646	2,790,997	3,012,213	3,131,798
Transmission	3,541,964	3,541,964	3,825,501	3,977,053
Distribution	6,305,174	6,305,174	6,965,864	7,623,967
Customer Accounting	1,390,189	1,390,189	1,553,181	1,614,769
Customer Service & Info	162,173	162,173	176,272	183,268
Sales	87,233	87,233	94,796	98,558
A&G	7,000,429	7,000,429	7,071,813	7,296,518
Total Labor Expense	<u>\$25,360,879</u>	<u>\$21,278,159</u>	<u>\$22,699,640</u>	<u>\$23,925,931</u>

	Per Books 2021	Adjusted Per Books 2021	Projected	
			2022 1/	2023 2/
5110 Straight Time 2/	\$20,657,491	\$17,319,899	\$18,072,367	\$19,131,989
5120 Premium Time 2/	1,296,730	785,138	811,205	843,410
5130 Bonuses & Comm. 3/	1,449,653	1,429,949	1,429,949	1,429,949
5131 Incentive Comp. 4/	1,677,146	1,499,436	2,134,393	2,258,988
5150 Meals 3/	3,121	3,118	3,118	3,118
5193 Vacation 2/	276,738	240,619	248,608	258,477
	<u>\$25,360,879</u>	<u>\$21,278,159</u>	<u>\$22,699,640</u>	<u>\$23,925,931</u>

- 1/ Projected 2022 and 2023 values reflect the removal of labor reported in the Renewable Rider, and labor reported to Heskett Unit I and II, and Lewis & Clark Unit I operations being retired. See Schedule G-1, pages 12-13. The projected balances also include employee additions, see Schedule G-1, pages 12-13.
- 2/ Reflects a 3.32% for 2022 and 3.97% for 2023 based on the weighted average increases of 3.5% in 2022 and 4.5% in 2023 for non-union and 3.0% for union as shown on Schedule G-1, Pages 12-13.
- 3/ Adjusted to reflect ongoing stock compensation, miscellaneous bonuses and meals.
- 4/ Reflects an average incentive level of 11.65% applied to straight time and vacation.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
LABOR EXPENSE SUPPORT
PER BOOKS 2021**

	2021 Total Per Books	Renewable Rider	Heskett Unit 1 & 2 and Lewis & Clark Unit 1	Adjusted 2021 Per Books Total
Fuel & Purchased Power				
Straight Time	\$441,219		(\$441,219)	\$0
Premium Time	96,340		(96,340)	0
Bonuses & Commissions	210		(210)	0
Incentive Compensation	12,023		(12,023)	0
Vacation/Other Non-Prod.	1,279		(1,279)	0
Fuel & Purchased Power Total	\$551,071		(\$551,071)	\$0
Production				
Straight Time	\$5,335,633	(\$519,242)	(\$2,377,131)	\$2,439,260
Premium Time	571,428	(11,130)	(404,122)	156,176
Bonuses & Commissions	19,497	0	(19,494)	3
Incentive Compensation	329,173	(44,674)	(121,013)	163,486
Taxable Meals	3	(3)	0	0
Vacation/Other Non-Prod.	66,912	(4,871)	(29,969)	32,072
Production Total	\$6,322,646	(\$579,920)	(\$2,951,729)	\$2,790,997
Transmission				
Straight Time	\$3,112,981			\$3,112,981
Premium Time	173,515			173,515
Bonuses & Commissions	6,748			6,748
Incentive Compensation	206,553			206,553
Taxable Meals	1,303			1,303
Vacation/Other Non-Prod.	40,864			40,864
Transmission Total	\$3,541,964			\$3,541,964
Distribution				
Straight Time	\$5,449,484			\$5,449,484
Premium Time	415,053			415,053
Bonuses & Commissions	9,631			9,631
Incentive Compensation	354,907			354,907
Taxable Meals	1,743			1,743
Vacation/Other Non-Prod.	74,356			74,356
Distribution Total	\$6,305,174			\$6,305,174
Customer Accounts				
Straight Time	\$1,263,368			\$1,263,368
Premium Time	30,224			30,224
Bonuses & Commissions	1,824			1,824
Incentive Compensation	79,027			79,027
Taxable Meals	11			11
Vacation/Other Non-Prod.	15,735			15,735
Customer Accounts Total	\$1,390,189			\$1,390,189
Customer Service				
Straight Time	\$150,939			\$150,939
Bonuses & Commissions	34			34
Incentive Compensation	9,362			9,362
Vacation/Other Non-Prod.	1,838			1,838
Customer Service Total	\$162,173			\$162,173
Sales				
Straight Time	\$81,160			\$81,160
Bonuses & Commissions	34			34
Incentive Compensation	5,052			5,052
Taxable Meals	5			5
Vacation/Other Non-Prod.	982			982
Sales Total	\$87,233			\$87,233
A&G				
Straight Time	\$4,822,707			\$4,822,707
Premium Time	10,170			10,170
Bonuses & Commissions	1,411,675			1,411,675
Incentive Compensation	681,049			681,049
Taxable Meals	56			56
Vacation/Other Non-Prod.	74,772			74,772
A&G Total	\$7,000,429			\$7,000,429
	\$25,360,879	(\$579,920)	(\$3,502,800)	\$21,278,159
Straight Time	\$20,657,491	(\$519,242)	(\$2,818,350)	\$17,319,899
Premium Time	1,296,730	(11,130)	(500,462)	785,138
Bonuses & Commissions	1,449,653	0	(19,704)	1,429,949
Incentive Compensation	1,677,146	(44,674)	(133,036)	1,499,436
Taxable Meals	3,121	(3)	0	3,118
Vacation/Other Non-Prod.	276,738	(4,871)	(31,248)	240,619
	\$25,360,879	(\$579,920)	(\$3,502,800)	\$21,278,159

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
LABOR EXPENSE SUPPORT
PROJECTED 2022 AND 2023**

Case No. PU-22-____
Statement G
Schedule G-1
Page 12 of 31

	Projected 2022 1/	2022 Additional Positions 2/	Total Projected 2022	Projected 2023 1/	2023 Additional Positions 3/	Total Projected 2023
Fuel & Purchased Power						
Straight Time	\$0		\$0	\$0		\$0
Premium Time	0		0	0		0
Bonuses & Commissions	0		0	0		0
Incentive Compensation	0		0	0		0
Vacation/Other Non-Prod.	0		0	0		0
Fuel & Purchased Power Total	\$0		\$0	\$0		\$0
Production						
Straight Time	\$2,520,243		\$2,520,243	\$2,620,297		\$2,620,297
Premium Time	161,361		161,361	167,767		167,767
Bonuses & Commissions	3		3	3		3
Incentive Compensation	297,469		297,469	309,278		309,278
Taxable Meals	0		0	0		0
Vacation/Other Non-Prod.	33,137		33,137	34,453		34,453
Production Total	\$3,012,213		\$3,012,213	\$3,131,798		\$3,131,798
Transmission						
Straight Time	\$3,216,332		\$3,216,332	\$3,344,020		\$3,344,020
Premium Time	179,276		179,276	186,393		186,393
Bonuses & Commissions	6,748		6,748	6,748		6,748
Incentive Compensation	379,621		379,621	394,692		394,692
Taxable Meals	1,303		1,303	1,303		1,303
Vacation/Other Non-Prod.	42,221		42,221	43,897		43,897
Transmission Total	\$3,825,501		\$3,825,501	\$3,977,053		\$3,977,053
Distribution						
Straight Time	\$5,630,407	\$137,512	\$5,767,919	\$5,996,905	\$342,150	\$6,339,055
Premium Time	428,833		428,833	445,858		445,858
Bonuses & Commissions	9,631		9,631	9,631		9,631
Incentive Compensation	664,893	16,020	680,913	707,945	39,860	747,805
Taxable Meals	1,743		1,743	1,743		1,743
Vacation/Other Non-Prod.	76,825		76,825	79,875		79,875
Distribution Total	\$6,812,332	\$153,532	\$6,965,864	\$7,241,957	\$382,010	\$7,623,967
Customer Accounts						
Straight Time	\$1,305,312	\$39,935	\$1,345,247	\$1,398,653		\$1,398,653
Premium Time	31,227		31,227	32,467		32,467
Bonuses & Commissions	1,824		1,824	1,824		1,824
Incentive Compensation	153,963	4,652	158,615	164,912		164,912
Taxable Meals	11		11	11		11
Vacation/Other Non-Prod.	16,257		16,257	16,902		16,902
Customer Accounts Total	\$1,508,594	\$44,587	\$1,553,181	\$1,614,769		\$1,614,769
Customer Service						
Straight Time	\$155,950		\$155,950	\$162,141		\$162,141
Bonuses & Commissions	34		34	34		34
Incentive Compensation	18,389		18,389	19,119		19,119
Vacation/Other Non-Prod.	1,899		1,899	1,974		1,974
Customer Service Total	\$176,272		\$176,272	\$183,268		\$183,268
Sales						
Straight Time	\$83,855		\$83,855	\$87,184		\$87,184
Bonuses & Commissions	34		34	34		34
Incentive Compensation	9,887		9,887	10,280		10,280
Taxable Meals	5		5	5		5
Vacation/Other Non-Prod.	1,015		1,015	1,055		1,055
Sales Total	\$94,796		\$94,796	\$98,558		\$98,558

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
LABOR EXPENSE SUPPORT
PROJECTED 2022 AND 2023**

	Projected 2022 1/	2022 Additional Positions 2/	Total Projected 2022	Projected 2023 1/	2023 Additional Positions 3/	Total Projected 2023
A&G						
Straight Time	\$4,982,821		\$4,982,821	\$5,180,639		\$5,180,639
Premium Time	10,508		10,508	10,925		10,925
Bonuses & Commissions	1,411,675		1,411,675	1,411,675		1,411,675
Incentive Compensation	589,499		589,499	612,902		612,902
Taxable Meals	56		56	56		56
Vacation/Other Non-Prod.	77,254		77,254	80,321		80,321
A&G Total	\$7,071,813		\$7,071,813	\$7,296,518		\$7,296,518
	\$22,501,521	\$198,119	\$22,699,640	\$23,543,921	\$382,010	\$23,925,931
Straight Time	\$17,894,920	\$177,447	\$18,072,367	\$18,789,839	\$342,150	\$19,131,989
Premium Time	811,205		811,205	843,410		843,410
Bonuses & Commissions	1,429,949		1,429,949	1,429,949		1,429,949
Incentive Compensation	2,113,721	20,672	2,134,393	2,219,128	39,860	2,258,988
Taxable Meals	3,118		3,118	3,118		3,118
Vacation/Other Non-Prod.	248,608		248,608	258,477		258,477
	\$22,501,521	\$198,119	\$22,699,640	\$23,543,921	\$382,010	\$23,925,931

1/ Projected 2022 and 2023 Straight Time, Premium Time, and Vacation/Other Non-Productive time is inflated at 3.32% for 2022 and 3.97% for 2023. Bonus & Commissions and Taxable Meals projected period will reflect the adjusted 2021 costs. Incentive Compensation reflects the average incentive level of 11.65% of Adjusted 2021 and Total Projected 2022 Straight Time and Vacation/Other time.

3.32% 2022 Labor Increase

3.97% 2023 Labor Increase

11.65% Average Incentive

2/ The Company expects to hire additional staff for the Customer Experience Team to replace turnover from 2021. The Company also expects to hire positions and promoting a current position to help set up the Distribution Outage Management System.

Customer Service - 2022 Straight Time Adjustment:

CSR I 2022 base salary:	\$35,360
Replacement position FTE:	12.81
Total new base salary:	\$452,962
Allocation to MDU Electric:	13.59% (2021 call time)
	\$61,558
Allocation to North Dakota:	64.873042% (Factor #85)
Straight Time Adjustment:	\$39,935

Distribution Outage - 2022 Straight Time Adjustment:

System Support Engineer:	\$110,000
System Administrator:	81,000
Manager of OT Dist. Systems:	20,000 (promotion)
Total new salaries:	\$211,000
Allocate to North Dakota:	65.171411% (Factor #118)
Straight Time Adjustment:	\$137,512

3/ The Company expects to hire the remaining positions to support the Distribution Outage Management System in 2023.

Distribution Outage - 2023 Straight Time Adjustment:

System Operators:	\$434,000 (4 positions)
Business Analyst:	81,000
Supervisor-Field Ops:	10,000 (promotion)
Total new salaries:	\$525,000
Allocate to North Dakota:	65.171411% (Factor #118)
Straight Time Adjustment:	\$342,150

**MONTANA-DAKOTA UTILITIES CO.
BENEFITS EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books	Adjusted	Projected 1/	
	2021	Per Books 2021	2022	2023
Medical/Dental	\$2,786,093	\$2,417,926	\$2,692,774	\$3,010,429
Pension expense	(256,060)	(256,060)	(286,659)	(115,065)
Post-retirement	(812,430)	(830,882)	(1,042,757)	(902,193)
401 K	2,003,092	1,716,017	1,778,312	1,859,175
Workers compensation	115,042	81,461	85,143	90,405
Other benefits	38,126	33,173	34,594	36,583
Total Benefits Expense	<u>\$3,873,863</u>	<u>\$3,161,635</u>	<u>\$3,261,407</u>	<u>\$3,979,334</u>

1/ Projected 2022 and 2023 values reflect the removal of labor reported in the Renewable Rider, labor reported to Heskett Unit I and II, and Lewis & Clark Unit I operations being retired. See Schedule G-1, page 15. The projected balances also include the addition of benefits for employee additions, see Schedule G-1, pages 16-17. Annual inflationary factors are also outlined on Schedule G-1, pages 16-17.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BENEFITS EXPENSE SUPPORT**

	2021 Per Books	Renewable Rider	Heskett & Lewis & Clark	2021 Adjusted Total
Medical/Dental	\$2,786,093	(\$73,036)	(\$295,131)	\$2,417,926
Pension expense	(256,060)			(256,060)
Post-retirement	(812,430)	(1,987)	(16,465)	(830,882)
401 K	2,003,092	(45,026)	(242,049)	1,716,017
Workers compensation	115,042	(5,429)	(28,152)	81,461
Other benefits	38,126	(1,013)	(3,940)	33,173
Total Benefits Expense	<u>\$3,873,863</u>	<u>(\$126,491)</u>	<u>(\$585,737)</u>	<u>\$3,161,635</u>

	Projected 2022 1/	Adjustment for New positions in 2022 6/	Total Projected 2022	Projected 2023 1/	Adjustment for New positions in 2023 6/	Total Projected 2023
Medical/Dental 2/	\$2,659,719	\$33,055	\$2,692,774	2,962,051	\$48,378	\$3,010,429
Pension expense 3/	(286,659)		(286,659)	(115,065)		(115,065)
Post-retirement 4/	(1,042,757)		(1,042,757)	(902,193)		(902,193)
401 K 5/	1,772,989	5,323	1,778,312	1,848,911	10,264	1,859,175
Workers compensation 5/	84,166	977	85,143	88,523	1,882	90,405
Other benefits 5/	34,274	320	34,594	35,967	616	36,583
Total Benefits Expense	<u>\$3,221,732</u>	<u>\$39,675</u>	<u>\$3,261,407</u>	<u>\$3,918,194</u>	<u>\$61,140</u>	<u>\$3,979,334</u>

1/ 2022 and 2023 projected benefits are based on the below inflationary factors:

2/ Medical/Dental percentage increase based on actual 2022 medical premium increase: 10.00%

3/ Total Company pension expense based on the 2022 actuarial estimate.

	Per Books 2021	Actuarial Estimate	
		2022	2023
Bargaining	(\$225,888)	(\$344,911)	(\$20,000)
Non-Bargaining	(501,830)	(469,776)	(307,000)
Total	<u>(\$727,718)</u>	<u>(\$814,687)</u>	<u>(\$327,000)</u>
Increase		11.95%	-59.86%

4/ Total Company post-retirement expense based on the 2022 actuarial estimate.

	Per Books	Actuarial Estimate	
		2022	2023
Total	(\$2,225,984)	(\$2,793,707)	(\$2,417,000)
Increase		25.50%	-13.48%

5/ Adjusted based on the straight time labor increase percentage for:

2022:	3.32%
2023:	3.97%

6/ See Statement G, Schedule G-1, pages 16-17.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BENEFIT COST CALCULATION FOR
2022 LABOR ADJUSTMENTS**

2022 CTX Additions:

	Medical 1/	Dental 3/	
Company paid benefits:	\$462.92	\$21.23	
# of Employees:	12.81	12.81	
	\$5,930.01	\$271.96	
# of Pay periods:	26.00	26.00	
Annual Company paid benefits:	\$154,180.26	\$7,070.96	
HSA Company Contribute: 2/	12,810.00		
Total Annual Company paid benefits:	\$166,990.26	\$7,070.96	
Allocation to MDU Electric:	13.59%	13.59%	
	\$22,694	\$961	
Allocation to North Dakota:	64.873042%	64.873042%	
Total ND Electric:	\$14,722	\$623	\$15,345
401K			
Total Salaries:	\$452,962		
Company 401K Match:	13,589	4/	
Allocation to MDU Electric:	13.59%		
	\$1,847		
Allocation to North Dakota:	64.873042%		
Total ND Electric:	\$1,198		

	Workers Compensation
Total Salaries:	\$452,962
Workers Comp. Ratio:	0.5500% 5/
	\$2,491
Allocation to MDU Electric:	13.59%
	\$339
Allocation to North Dakota:	64.873042%
Total ND Electric:	\$220
	Other Benefits
Total Salaries:	\$452,962
Other Benefits Ratio:	0.1800% /6
	\$815
Allocation to MDU Electric:	13.59%
	\$111
Allocation to North Dakota:	64.873042%
Total ND Electric:	\$72

2022 Distribution Management Additions:

	Medical 1/	Dental 3/	
Company paid benefits:	\$462.92	\$21.23	
# of Employees:	2.00	2.00	
	\$925.84	\$42.46	
# of Pay periods:	26.00	26.00	
Annual Company paid benefits:	\$24,071.84	\$1,103.96	
HSA Company Contribute: 2/	2,000.00		
Total Annual Company paid benefits:	\$26,071.84	\$1,103.96	
Allocation to North Dakota:	65.171411%	65.171411%	
Total ND Electric:	\$16,991	\$719	\$17,710
401K			
Total Salaries:	\$211,000		
Company 401K Match:	6,330	4/	
Allocation to North Dakota:	65.171411%		
Total ND Electric:	\$4,125		

	Workers Compensation
Total Salaries:	\$211,000
Workers Comp. Ratio:	0.5500% 5/
	\$1,161
Allocation to North Dakota:	65.171411%
Total ND Electric:	\$757
	Other Benefits
Total Salaries:	\$211,000
Other Benefits Ratio:	0.1800% 6/
	\$380
Allocation to North Dakota:	65.171411%
Total ND Electric:	\$248

Total 2022 Benefit Additions:

Medical/Dental	\$33,055
401 K	\$5,323
Workers compensation	\$977
Other benefits	\$320

- 1/ Assumes current Medical HSA Plan 2, employee and spouse.
- 2/ Number of employees/FTE x \$1,000 annual Company contribution to HSA.
- 3/ Assumes current Dental Basic plan, employee +1.
- 4/ Assumes Company match of 3%.
- 5/ Ratio of total North Dakota 2021 Straight Time and Vacation/Non Productive time to total North Dakota 2021 Workers Compensation.
- 6/ Ratio of total North Dakota 2021 Straight Time and Vacation/Non Productive time to total North Dakota 2021 Other Benefits.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BENEFIT COST CALCULATION FOR
2023 LABOR ADJUSTMENTS**

2023 Distribution Management Additions:

	Medical 1/	Dental 3/	
Company paid benefits:	\$509.21	\$23.35	
# of Employees:	5.00	5.00	
	\$2,546.05	\$116.75	
# of Pay periods:	26.00	26.00	
Annual Company paid benefits:	\$66,197.30	\$3,035.50	
HSA Company Contribute: 2/	5,000.00		
Total Annual Company paid benefits:	\$71,197.30	\$3,035.50	
Allocation to North Dakota:	65.171411%	65.171411%	
Total ND Electric:	\$46,400	\$1,978	\$48,378
	401K		
Total Salaries:	\$525,000		
Company 401K Match:	15,750	4/	
Allocation to North Dakota:	65.171411%		
Total ND Electric:	\$10,264		

	Workers Compensation
Total Salaries:	\$525,000
Workers Comp. Ratio:	0.5500% 5/
	\$2,888
Allocation to North Dakota:	65.171411%
Total ND Electric:	\$1,882
	Other Benefits
Total Salaries:	\$525,000
Other Benefits Ratio:	0.1800% 6/
	\$945
Allocation to North Dakota:	65.171411%
Total ND Electric:	\$616

1/ Assumes current Medical HSA Plan 2, employee and spouse, inflated by 10 percent.

2/ Number of employees/FTE x \$1,000 annual Company contribution to HSA.

3/ Assumes current Dental Basic plan, employee +1, inflated 10 percent.

4/ Assumes Company match of 3%.

5/ Ratio of total North Dakota 2021 Straight Time and Vacation/Non Productive time to total North Dakota 2021
Workers Compensation.

6/ Ratio of total North Dakota 2021 Straight Time and Vacation/Non Productive time to total North Dakota 2021 Other Benefits.

**MONTANA-DAKOTA UTILITIES CO.
SUBCONTRACT LABOR EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

<u>All Other</u>	Per Books 2021	Adjusted 2021	Projected 2022 1/	Projected 2023 2/
Fuel and Purchased Power	\$182,810	\$0	\$0	\$0
Production	3,965,158	766,092	791,909	812,182
Transmission	21,315,692	646,763	668,559	685,674
Distribution	1,800,128	1,800,128	1,860,792	1,908,428
Customer Accounting	33,245	33,245	34,365	35,245
Sales	0	0	0	0
Administrative & General	730,877	730,877	864,897 3/	967,061 3/
Total	\$28,027,910	\$3,977,105	\$4,220,522	\$4,408,590

1/ Adjusted to reflect inflation of 3.37 percent.

2/ Adjusted to reflect inflation of 2.56 percent.

3/ Based on known projects for Building and Grounds in 2022 and 2023.

<u>Per Books 2021</u>	Per Books 2021	Renewable Rider	Transmission Rider	Heskett I & II and Lewis & Clark I	Adjusted 2021
Fuel and Purchased Power	\$182,810	\$0	\$0	\$182,810	\$0
Production	3,965,158	2,458,093	0	740,973	766,092
Transmission	21,315,692	0	20,668,929	0	646,763
Distribution	1,800,128	0	0	0	1,800,128
Customer Accounting	33,245	0	0	0	33,245
Sales	0	0	0	0	0
Administrative & General	730,877	0	0	0	730,877
Total	\$28,027,910	\$2,458,093	\$20,668,929	\$923,783	\$3,977,105

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BIG STONE & COYOTE
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Adjusted 2021	Projected 1/ 2022 2023	
<u>Big Stone and Coyote</u>				
Fuel and Purchased Power	\$65,059	\$65,059	\$65,689	\$67,231
Production	7,463,568	7,463,568	7,412,183	7,823,309
Transmission	(7,669)	(7,669)	10,651	10,971
A&G	9,731	2/ 9,731	0	0
Total	<u>\$7,530,689</u>	<u>\$7,530,689</u>	<u>\$7,488,523</u>	<u>\$7,901,511</u>

	Per Books 2021	Adjusted 2021	Projected 1/ 2022 2023	
<u>Big Stone</u>				
Fuel and Purchased Power	\$53,400	\$53,400	\$53,232	\$54,829
Production	3,854,330	3,854,330	3,253,558	3,394,633
Transmission	649	649	0	0
Total	<u>\$3,908,379</u>	<u>\$3,908,379</u>	<u>\$3,306,790</u>	<u>\$3,449,462</u>

	Per Books 2021	Adjusted 2021	Projected 1/ 2022 2023	
<u>Coyote</u>				
Fuel and Purchased Power	\$11,659	\$11,659	\$12,457	\$12,402
Production	3,609,238	3,609,238	4,158,625	4,428,676
Transmission	(8,318)	(8,318)	10,651	10,971
A&G	9,731	2/ 9,731	0	0
Total	<u>\$3,622,310</u>	<u>\$3,622,310</u>	<u>\$4,181,733</u>	<u>\$4,452,049</u>

1/ Reflects expected cost of operation for 2022 and 2023 with a normalized outage schedule.

2/ Reflects one time expense that will not be repeated.

**MONTANA-DAKOTA UTILITIES CO.
MATERIALS EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023**

All Other	Per Books 2021	Adjusted 2021	Projected 2022 1/	Projected 2023 3/
Fuel & Purchased Power	\$1,678	\$0	\$0	\$0
Production	487,782	171,308	188,439	216,491 4/
Transmission	213,980	213,980	235,378	247,147
Distribution	438,668	438,668	562,689 2/	590,823
Customer Accounting	59	59	586 2/	615
Sales	0	0	0	0
Administrative & General	26,764	26,764	30,303 2/	31,818
Total	\$1,168,931	\$850,779	\$1,017,395	\$1,086,894

Per Books 2021	Total	Renewable Rider	Heskett I & II and Lewis & Clark I	Adjusted 2021
Fuel & Purchased Power	\$1,678	\$0	\$1,678	\$0
Production	487,782	91,416	225,058	171,308
Transmission	213,980	0	0	213,980
Distribution	438,668	0	0	438,668
Customer Accounting	59	0	0	59
Sales	0	0	0	0
Administrative & General	26,764	0	0	26,764
Total	\$1,168,931	\$91,416	\$226,736	\$850,779

1/ Reflects the adjusted 2021 total expected increase of material cost of 10%.

2/ Material expense adjusted to reflect current trends.

3/ Reflects expected increase of material cost from projected 2022 by 5%.

4/ Reflects materials associated with implementation of Heskett IV.

MONTANA-DAKOTA UTILITIES CO.
VEHICLES & WORK EQUIPMENT EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023

	Per Books 2021	Adjusted 2021	Projected 1/ 2/	
<u>All Other</u>			2022	2023
Fuel & Purchased Power	\$0	\$0	\$0	\$0
Production	60,384	27,106	36,326	36,639
Transmission	255,749	255,749	342,768	345,732
Distribution	814,790	814,790	1,092,019	1,101,456
Customer Accounting	87,180	87,180	116,852	117,868
Customer Service & Information	2,670	2,670	3,579	3,610
Sales	2,147	2,147	2,884	2,913
Administrative & General	25,296	25,296	33,899	34,190
Total	<u>\$1,248,216</u>	<u>1,214,938</u>	<u>\$1,628,327</u>	<u>\$1,642,408</u>

- 1/ Increase reflects changes in projected plant and proposed depreciation rates.
2/ Reflects an increase in projected fuel expenses based on U.S. Energy Information Administration Short-Term Energy Outlook Released on March 8, 2022. See Statement Workpaper G, Schedule G-1, page 24 for additional information.

	Per Books 2021	Renewable Rider	L&C and Heskett	Adjusted 2021
<u>All Other</u>				
Fuel & Purchased Power	\$0			\$0
Production	60,384	\$26,689	\$6,589	27,106
Transmission	255,749			255,749
Distribution	814,790			814,790
Customer Accounting	87,180			87,180
Customer Service & Information	2,670			2,670
Sales	2,147			2,147
Administrative & General	25,296			25,296
Total	<u>\$1,248,216</u>	<u>\$26,689</u>	<u>\$6,589</u>	<u>\$1,214,938</u>

MONTANA-DAKOTA UTILITIES CO.
COMPANY UTILITIES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023

<u>Utilities - Total</u>	Per Books	Adjusted	Projected	
	2021	2021	2022	2023
Production	\$75,354	36,885	\$42,546	\$38,607
Transmission	18,462	18,462	21,917	21,821
Distribution	139,918	139,918	178,320	172,969
Customer Accounting	1,766	1,766	3,740	3,740
Sales	0	0	317	317
Administrative & General	148,081	148,081	157,622	152,435
Total	<u>\$383,581</u>	<u>345,112</u>	<u>\$404,462</u>	<u>\$389,889</u>

<u>Utilities</u>	Per Books	Adjusted	Projected 1/	
	2021	2021	2022	2023
Production	\$18,325	\$6,176	\$6,176	\$6,176
Transmission	4,817	4,817	6,484	6,484
Distribution	27,753	27,753	32,938	32,938
Customer Accounting	1,766	1,766	3,740	3,740
Sales	0	0	317	317
Administrative & General	16,165	16,165	14,613	14,613
Total	<u>\$68,826</u>	<u>\$56,677</u>	<u>\$64,268</u>	<u>\$64,268</u>

<u>Company Consumption - Electric</u>	Per Books	Adjusted	Projected 1/	
	2021	2021	2022	2023
Production	\$7,434	\$5,828	\$2,450	\$2,450
Transmission	13,037	13,037	14,604	14,604
Distribution	78,368	78,368	99,307	99,307
Administrative & General	99,151	99,151	98,341	98,341
Total	<u>\$197,990</u>	<u>\$196,384</u>	<u>\$214,702</u>	<u>\$214,702</u>

<u>Company Consumption - Gas</u>	Per Books	Adjusted	Projected 2/	Projected 3/
	2021	2021	2022	2023
Production	\$49,595	\$24,881	\$33,920	\$29,981
Transmission	608	608	\$829	\$733
Distribution	33,797	33,797	\$46,075	\$40,724
Administrative & General	32,765	32,765	\$44,668	\$39,481
Total	<u>\$116,765</u>	<u>\$92,051</u>	<u>\$125,492</u>	<u>\$110,919</u>

1/ Based on three year (2018, 2019, 2021) average annual expense.

2/ Based on a Weather Normalized 2021 reflecting a 12.25% increase in volumes and an increase in projected cost of gas of \$5.752 per dk for Natural Gas and \$14.2073 per dk for Propane.

3/ Based on a Weather Normalized 2021 reflecting a 12.25% increase in volumes and an increase in projected cost of gas of \$5.082 per dk for Natural Gas and \$14.2073 per dk for Propane.

**MONTANA-DAKOTA UTILITIES CO.
UNCOLLECTIBLE ACCOUNTS EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books 2021	Adjusted 2021	Projected	
			2022	2023
Distribution	(\$510)	(\$510)	\$0	\$0
Customer Accounting 1/	620,922	620,922	650,595	657,031
Total	<u>\$620,412</u>	<u>\$620,412</u>	<u>\$650,595</u>	<u>\$657,031</u>

1/ Based on a five year average of net write-offs to projected revenues:

	2022	2023
Total Pro Forma Sales Revenue	<u>\$171,209,147</u>	<u>\$172,902,977</u>
Five-Year Average Write-Offs	<u>0.38%</u>	<u>0.38%</u>
	<u>\$650,595</u>	<u>\$657,031</u>

	Net Write Offs	Sales Revenue	% Write Off to Revenue
12 Months Ending:			
12/31/2017	\$679,860	\$202,052,028	0.34%
12/31/2018	941,295	208,486,472	0.45%
12/31/2019	626,237	203,444,808	0.31%
12/31/2020	545,407	192,008,541	0.28%
12/31/2021	994,496	201,346,739	0.49%
Total	<u>\$3,787,295</u>	<u>\$1,007,338,588</u>	<u>0.38%</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
POSTAGE
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books	Adjusted Per Books	Projected	
	2021	2021	2022 1/	2023 2/
Production	\$2,520	\$826	\$826	\$826
Transmission	59	59	59	59
Distribution	7,717	7,717	7,717	7,717
Customer Accounting	278,659	278,659	287,789	298,271
A&G	113,055	113,055	113,055	113,055
Total	<u>\$402,010</u>	<u>\$400,316</u>	<u>\$409,446</u>	<u>\$419,928</u>

	Per Books	Renewable	Heskett	Adjusted Per Books
	2021	Rider	and L&C	2021
Production	\$2,520	\$606	\$1,088	\$826
Transmission	59	0	0	59
Distribution	7,717	0	0	7,717
Customer Accounting	278,659	0	0	278,659
A&G	113,055	0	0	113,055
Total	<u>\$402,010</u>	<u>\$606</u>	<u>\$1,088</u>	<u>\$400,316</u>

- 1/ Reflects a 4.45% postage increase, as shown in Statement Workpaper G, Schedule G-1, page 22, which is partially offset by the annualized year end 2021 electronic billing level.
- 2/ Reflects inflation rate of 2.56% increase.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books	Adjusted	Projected	
	2021	2021	2022 1/	2023 2/
Production	\$173,923	\$173,923	\$124,265	\$140,519
Transmission	399,432	399,432	392,887	444,277
Distribution	68,308	68,308	25,513	28,850
Customer Accounting	7,442	7,442	11,136	12,593
A&G	1,243,922	1,243,922	1,503,270	1,699,898
Total	\$1,893,027	\$1,893,027	\$2,057,071	\$2,326,137

1/ Projected 2022 based on estimated levels.

2/ Projected 2023 reflects a five year average increase of 13.08% found on
Statement Workpaper G, Schedule G-1, page 44.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Per Books 2021	Adjusted 2021	Projected	
			2022 1/	2023 2/
Customer Accounting	\$6	\$6	\$0	\$0
Customer Service & Information	63,220	63,220	65,351	67,024
Sales	4,783	4,783	0	0
A&G	66,092	66,092	61,616	63,193
Total	<u>\$134,101</u>	<u>\$134,101</u>	<u>\$126,967</u>	<u>\$130,217</u>

1/ Eliminates promotional advertising expense and advertising expenses not applicable to North Dakota electric operations, and reflects inflation rate of 3.37% increase.

2/ Reflects inflation rate of 2.56% increase.

MONTANA-DAKOTA UTILITIES CO.
INDUSTRY DUES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023

<u>Description</u>	Per Books	Projected	
	2021	2022	2023
Ashley Chamber of Commerce	\$88	\$88	\$88
American Petroleum Institute Membership	\$250	\$250	\$250
Beulah Chamber of Commerce	0 1/	700 2/	700
Bismarck-Mandan Chamber of Commerce	4,600	4,600	4,600
Bismarck-Mandan Home Builders Association	221	221	221
Crosby Area Chamber of Commerce	150	150	150
Dickinson Area Builders Association	209	209	209
Dickinson Area Chamber of Commerce	295	295	295
Downtown Bismarck Community Foundation	2,550	2,700 2/	2,700
Downtown Business Association of Bismarck	945	945	945
Economic Development Assoc. of North Dakota	230	230 2/	230
Edison Electric Institute	88,016	91,781 3/	91,781
Elgin Community Betterment	75	75	75
Elgin Lions Club	70	70	70
Ellendale Chamber of Commerce	92	92	92
Hebron Business Club	13	13	13
Home Builders Association Membership	281	281	281
International Right-Of-Way	0	164 2/	164
Lignite Energy Council	67,542	64,680 2/	64,680
Linton Chamber of Commerce	0	23 2/	23
Mandan Progress Association	104	104	104
Midwest Energy Association	5,448	9,513 2/	9,513
Minnesota Safety Council	192	192	192
MISO	662	662	662
Napoleon Business Association	33	33	33
North American Energy Markets	1986	1,966 2/	1,966
North Central Electric Association	7,762	7,762	7,762
North Dakota EPA	113	562 2/	562
North Dakota Safety Countil	331	331	331
Open Access Technology International, Inc.	397	397	397
Stark Development Corporation	115	115	115
Theodore Roosevelt Express	230	230	230
Utilities Telecom Council	0	1669 2/	1669
Utility Shareholders of North Dakota	29,900	29,900	29,900
West Associates	5,562	4,893 2/	4,893
Western Region Economic Development	115	115	115
Williston Area Chamber of Commerce	397	397	397
Willison Rotary Club	113	113	113
Wishek Association of Commerce	35	36 2/	36
Other/Corporate Charges	10,725	2,727 2/	0 4/
Total	<u>\$229,847</u>	<u>\$229,284</u>	<u>\$226,557</u>

1/ Paid 2021 Dues in 2020.

2/ Reflects 2022 actual expense through January 2022.

3/ Reflects 2022 actual expense through February and projected March through December.

4/ Not applicable to North Dakota electric operations.

**MONTANA-DAKOTA UTILITIES CO.
INSURANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books 2021	Adjusted 2021	Projected	
			2022 1/	2023 2/
Directors & Officer's Liability Insurance	\$145,243	\$145,243	\$174,768	\$192,245
General Liability:				
Fiduciary Liability	12,278	12,278	12,498	13,748
Employment Liability	5,426	5,426	5,536	6,090
Excess Liability	961,334	961,334	1,135,947	1,288,084
Property - All Risk	490,844	490,844	467,181	564,551
Blanket Crime	6,140	6,140	6,355	6,991
Special Contingency	630	630	587	587
Hired and Non-owned Aircraft Liability	520	520	699	769
Self Insurance 3/	303,991	303,991	278,874	278,874
Coyote Insurance	182,272	182,272	232,485	255,734
Big Stone Insurance	169,601	169,601	215,346	236,881
Total Insurance Expense	<u>\$2,278,279</u>	<u>\$2,278,279</u>	<u>\$2,530,276</u>	<u>\$2,844,554</u>

- 1/ Projected 2022 reflects insurance expense at the current levels as of January 2022.
2/ Projected 2023 reflects an increase of 10 percent, with an additional \$38,542 added to excess liability and \$50,652 added to Property - All Risk for Heskett IV.
3/ Projected 2022 and 2023 Self Insurance based on a 5 year historical average.

**MONTANA-DAKOTA UTILITIES CO.
REGULATORY COMMISSION EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books 2021	Adjusted 2021	Projected	
			2022	2023
Rate Case Amortization 1/	\$0	\$0	\$0	\$249,938
Recurring Level of Expense 2/	321,272	16,083	52,001	52,001
Depreciation Study Expense 3/	0	0	20,602	20,602
Regulatory Commission Expense	<u>\$321,272</u>	<u>16,083</u>	<u>\$72,603</u>	<u>\$322,541</u>

	Per Books 2021	Transmission Rider	Adjusted 2021
<u>Per Books 2021</u>			
Regulatory Commission Expense	\$321,272	\$305,189	\$16,083

1/ Reflects a three year amortization of rate case expense.

2/ Reflects a three year average and projected regulatory commission expense.

3/ Expenses related to the Common and Electric Depreciation studies amortized over five years.

MONTANA-DAKOTA UTILITIES CO.
COVID EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023

	Per Books 2021 1/	Adjusted 2021	Projected	
			2022 2/	2023 3/
Production	\$65,240	\$27,825	\$142,831	\$146,487
Transmission	16,260	16,260	59,397	60,918
Distribution	33,960	33,960	82,401	84,510
Customer Accounts	72,667	72,667	101,512	104,111
Customer Service	1,029	1,029	2,217	2,274
Sales	406	406	787	807
A&G	525,386	525,386	654,701	671,461
Total	<u>\$714,948</u>	<u>\$677,533</u>	<u>\$1,043,846</u>	<u>\$1,070,568</u>

1/ Includes the following costs:

External Auditing
Collection Agency Fees
Commercial Air Service
Corporate Aircraft
Personal Vehicle Use
Meals
Other Reimbursable Expense
Office Supplies
Safety Training Materials & Expense

2/ Reflects the adjusted 2021 total increased by inflation of 3.37 percent.

3/ Adjusted to reflect inflation of 2.56 percent.

	Per Books 2021	Renewable Rider	L&C and Heskett	Adjusted 2021	Normalizing Adjustment 4/	Normalized Adjusted 2021
Production	\$65,240	\$7,451	\$29,964	\$27,825	\$110,350	\$138,175
Transmission	16,260			16,260	41,201	57,461
Distribution	33,960			33,960	45,755	79,715
Customer Accounts	72,667			72,667	25,536	98,203
Customer Service	1,029			1,029	1,116	2,145
Sales	406			406	355	761
A&G	525,386			525,386	107,971	633,357
Total	<u>\$714,948</u>	<u>\$7,451</u>	<u>\$29,964</u>	<u>\$677,533</u>	<u>\$332,284</u>	<u>\$1,009,817</u>

4/ Normalizing Adjustment to reflect 2016-2019 average costs, as seen in Statement Workpaper G, Schedule G-1, page 50.

**MONTANA-DAKOTA UTILITIES CO.
ALL OTHER O&M
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books	Adjusted	Projected	
All Other	2021	2021	2022 1/	2023 2/
Fuel & Purchased Power	\$2,423	\$21	\$22	\$23
Production	1,126,182	190,305	196,718	201,754
Transmission	346,904	346,904	358,595	367,775
Distribution 3/	(253,978)	(253,978)	(262,537)	(269,258)
Customer Accounting	48,359	48,359	49,989	51,269
Customer Service & Information	168	168	174	178
Sales	253	253	262	269
Administrative & General	2,961,401	2,961,401	2,962,426 3/	3,038,264
Total Other O&M	\$4,231,712	3,293,433	\$3,305,649	\$3,390,274

1/ Adjusted to reflect inflation of 3.37 percent.

2/ Adjusted to reflect inflation of 2.56 percent.

3/ Adjusted to exclude the Electric Depreciation Study included in Regulatory Commission Expense of \$95,554.

Per Books 2021	Per Books	Lewis & Clark I & Heskett I & II	Renewable Rider	Adjusted 2021
	2021			
Fuel & Purchased Power	\$2,423	\$2,402	\$0	\$21
Production	1,126,182	260,482	675,395	190,305
Transmission	346,904	0	0	346,904
Distribution	(253,978)	0	0	(253,978)
Customer Accounting	48,359	0	0	48,359
Customer Service & Information	168	0	0	168
Sales	253	0	0	253
Administrative & General	2,961,401	0	0	2,961,401
Total Other O&M	\$4,231,712	\$262,884	\$675,395	\$3,293,433

MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF DEPRECIATION EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023

	Per Books	Adjusted	Projected 3/	
	2021	2021	2022 1/	2023 2/
Steam Production	\$6,982,072	\$3,413,865	\$5,103,708	\$5,109,259
Other Production	14,123,451	3,180,740	3,565,094	3,643,189
Heskett Unit IV Gas Turbine	0	0	0	1,082,742
Transmission	4,654,269	3,951,326	3,872,945	3,929,539
Distribution	7,066,758	7,066,758	10,168,849	10,628,911
General	443,155	443,155	564,408	704,013
General - Intangible	823,279	789,544	1,022,254	1,442,104
Common	1,028,170	1,028,170	1,087,565	1,218,699
Common - Intangible	1,428,146	1,428,146	1,564,803	1,720,419
Amort. - Power Plant Decomm.	500,000	500,000	0	647,584
Amort. of Retired Power Plants	(22,878)	(22,878)	0	0
Amort. - Unrecovered Plant	85,930	85,930	0	0
Amort. - Wind Decomm.	584,244	0	0	0
Amort. - Pref. Stock Redemption	20,943	20,943	20,943	20,943
Amort. - Gain/Loss on Buildings	62,095	62,095	62,095	62,095
Amort. - Excess Deferred Income Taxes	1,078,557	0	0	0
Amort. - L&C and Heskett Reg Asset Amortization	4,570,946	15,927,953 4/	15,927,953 4/	0
Total	<u>\$43,429,137</u>	<u>\$37,875,747</u>	<u>\$42,960,617</u>	<u>\$30,209,497</u>

1/ Depreciation/amortization expense on 2022 projected reserve for depreciation, Statement H, Schedule H-2 page 1.

2/ Depreciation/amortization expense on 2023 projected reserve for depreciation, Statement H, Schedule H-2 page 2.

3/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study found in Exhibit No. LEK-1.

4/ Adjusted 2021 balance reflects the 2022 Regulatory Asset Amortization based on the Lewis & Clark Unit I and Heskett Units I & II Regulatory Asset Balances.

MONTANA-DAKOTA UTILITIES CO.
CALCULATION OF COMPOSITE DEPRECIATION RATES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021

	Adjusted 2021 Plant	Annual Depreciation	%
<u>Depreciation</u>			
Steam Production	\$210,983,315	\$5,109,032	2.42%
Other Production	110,245,411	3,498,065	3.17%
Total Production	<u>\$321,228,726</u>	<u>\$8,607,097</u>	2.68%
Transmission	\$231,554,545	\$3,877,105	1.67%
Distribution	\$308,954,293	\$9,931,965	3.21%
General			
Other	\$6,451,573	\$451,693	7.00%
Structures and Improvements	1,150,765	17,722	1.54%
Computer Equipment	51,673	6,252	12.10%
Transportation Equipment	5,335,563	452,360	8.48%
Work Equipment	8,087,869	638,075	7.89%
Total General	<u>\$21,077,443</u>	<u>\$1,566,102</u>	7.43%
Common			
Other	\$7,373,128	\$352,793	4.78%
Structures and Improvements	27,528,501	233,992	0.85%
Computer Equipment	2,222,953	444,590	20.00%
Transportation Equipment	3,457,356	229,511	6.64%
Total Common	<u>\$40,581,938</u>	<u>\$1,260,886</u>	3.11%
Total	\$923,396,945	\$25,243,155	2.73%
<u>Amortization 1/</u>			
General - Intangible	\$8,335,643	\$930,720	
Common - Intangible	19,550,680	1,506,804	
Amort. of Retired Power Plants	0	(22,878)	
Amort. - Unrecovered Plant	0	85,930	
Amort. - Gen. Facility Decomm.	0	500,000	
Pref. Stock Redemption	0	20,943	
Gain/Loss on Buildings	0	62,095	
Acquisition Adjustment	7,381,702	0	
Total Amortization	<u>\$35,268,025</u>	<u>\$3,083,614</u>	
Total Plant	<u>\$958,664,970</u>	<u>\$28,326,769</u>	

1/ Amortization period varies for each asset group or balance.

**MONTANA-DAKOTA UTILITIES CO.
DEPRECIATION EXPENSE AT PROPOSED RATES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Adjusted Plant - Year End 2021	Proposed Rate 1/	Annual Depreciation	To Clearing Accounts	Annual Depreciation	Adjusted 2021 Actual Depr. Exp.
	<u>Steam Production Plant</u>						
810	<u>Heskett Units 1 & 2</u>						
310	Land						
311	Structures & Improvements	\$6,790,812	0.64%	\$43,461		\$43,461	
312	Boiler Plant Equipment	662,751	0.92%	6,097		6,097	
314	Turbogenerator Units	754,807	0.16%	1,208		1,208	
316	Miscellaneous Equipment	1,994,176	2.73%	54,441		54,441	
	Total Heskett Units 1 & 2	\$10,202,546		\$105,207		\$105,207	
820	<u>Lewis & Clark Unit 1</u>						
310	Land						
311	Structures & Improvements	\$121,509	1.42%	\$1,725		\$1,725	
	Total Lewis & Clark Unit 1	\$121,509		\$1,725		\$1,725	
830	<u>Coyote</u>						
310	Land						
311	Structures & Improvements	\$21,307,907	1.30%	\$277,003		\$277,003	
312	Boiler Plant Equipment	57,621,810	1.79%	1,031,430		1,031,430	
314	Turbogenerator Units	12,490,345	2.53%	316,006		316,006	
315	Accessory Equipment	5,399,276	1.43%	77,210		77,210	
316	Miscellaneous Equipment	2,683,822	3.84%	103,059		103,059	
	Total Coyote	\$99,503,160		\$1,804,708	\$0	\$1,804,708	
861	<u>Big Stone</u>						
310	Land						
311	Structures & Improvements	\$23,097,092	3.02%	\$697,532		\$697,532	
312	Boiler Plant Equipment	60,583,845	3.55%	2,150,726		2,150,726	
314	Turbogenerator Units	9,664,374	1.55%	149,798		149,798	
315	Accessory Equipment	\$5,916,456	2.82%	166,844		\$166,844	
316	Miscellaneous Equipment	1,173,006	2.77%	32,492		32,492	
	Total Big Stone	\$100,434,773		\$3,197,392	\$0	\$3,197,392	
	<u>Other Steam Production</u>						
310	Land	\$721,327					
	Total Other Steam Production	\$721,327					

1/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study.

**MONTANA-DAKOTA UTILITIES CO.
DEPRECIATION EXPENSE AT PROPOSED RATES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Adjusted Plant - Year End 2021	Proposed Rate 1/	Annual Depreciation	To Clearing Accounts	Annual Depreciation	Adjusted 2021 Actual Depr. Exp.
	<u>Steam Production Plant Summary</u>						
310	Land	\$721,327					
311	Structures & Improvements	51,317,320		\$1,019,721		\$1,019,721	\$750,960
312	Boiler Plant Equipment	118,868,406		3,188,253		3,188,253	1,751,548
314	Turbogenerator Units	22,909,526		467,012		467,012	493,824
315	Accessory Equipment	11,315,732		244,054		244,054	176,578
316	Miscellaneous Equipment	5,851,004		189,992		189,992	240,955
	Total Steam Production Plant	\$210,983,315		\$5,109,032	\$0	\$5,109,032	\$3,413,865
	<u>Other Production Plant</u>						
851	<u>Glendive Turbine Unit 1</u>						
341	Structures & Improvements	\$1,761,883	2.67%	\$47,042		\$47,042	
342	Fuel Holders, Producers & Acces.	891,904	2.02%	18,016		18,016	
344	Generators	4,842,867	0.27%	13,076		13,076	
345	Accessory Equipment	1,591,112	7.24%	115,197		115,197	
346	Miscellaneous Equipment	316,223	2.79%	8,823		8,823	
	Total Glendive Turbine Unit 1	\$9,403,989		\$202,154	\$0	\$202,154	
850	<u>Glendive Turbine Unit 2</u>						
344	Generators	\$11,834,644	2.75%	\$325,453		\$325,453	
852	<u>Miles City Turbine</u>						
341	Structures & Improvements	\$273,404	1.05%	\$2,871		\$2,871	
342	Fuel Holders, Producers & Acces.	114,844	5.36%	6,156		6,156	
344	Generators	2,620,180	2.24%	58,692		58,692	
345	Accessory Equipment	614,232	8.27%	50,797		50,797	
346	Miscellaneous Equipment	45,053	4.11%	1,852		1,852	
	Total Miles City Turbine	\$3,667,713		\$120,368	\$0	\$120,368	
855	<u>Portable Generator</u>						
341	Structures & Improvements	\$134,021	3.03%	\$4,061		\$4,061	
342	Fuel Holders, Producers & Acces.	96,626	3.01%	2,908		2,908	
344	Generators	888,535	3.05%	27,100		27,100	
345	Accessory Equipment	471,363	4.20%	19,797		19,797	
	Total Portable Generator	\$1,590,545		\$53,866	\$0	\$53,866	

1/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study.

**MONTANA-DAKOTA UTILITIES CO.
DEPRECIATION EXPENSE AT PROPOSED RATES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Adjusted Plant - Year End 2021	Proposed Rate 1/	Annual Depreciation	To Clearing Accounts	Annual Depreciation	Adjusted 2021 Actual Depr. Exp.
857	<u>Ormat</u>						
341	Structures & Improvements	\$498,385	3.29%	\$16,397		\$16,397	
344	Generators	8,678,508	3.39%	294,201		294,201	
345	Accessory Equipment	1,568,612	4.24%	66,509		66,509	
	Total Ormat	<u>\$10,745,505</u>		<u>\$377,107</u>	<u>\$0</u>	<u>\$377,107</u>	
872	<u>Heskett Unit III Gas Turbine</u>						
341	Structures & Improvements	\$5,048,504	2.97%	\$149,941		\$149,941	
342	Fuel Holders, Producers & Acces.	782,372	3.10%	24,254		24,254	
344	Generators	26,574,769	2.31%	613,877		613,877	
345	Accessory Equipment	3,255,671	5.48%	178,411		178,411	
346	Miscellaneous Equipment	894,438	3.81%	34,078		34,078	
	Total Heskett Unit III Gas Turbine	<u>\$36,555,754</u>		<u>\$1,000,561</u>	<u>\$0</u>	<u>\$1,000,561</u>	
872	<u>Lewis & Clark Unit II RICE</u>						
341	Structures	\$9,536,537	3.78%	\$360,481		\$360,481	
342	Fuel Holders, Producers & Acces.	2,121,054	3.66%	77,631		77,631	
344	Generators	18,386,907	3.64%	669,283		669,283	
345	Accessory Equipment	\$4,054,131	5.07%	205,544		\$205,544	
346	Miscellaneous Equipment	2,321,250	4.55%	105,617		105,617	
	Total Lewis & Clark Unit II RICE	<u>\$36,419,879</u>		<u>\$1,418,556</u>	<u>\$0</u>	<u>\$1,418,556</u>	
	<u>Other Production</u>						
310	Land	<u>\$27,382</u>					
	Total Other Production	<u>\$27,382</u>					
	<u>Other Production Plant Summary</u>						
340	Land	\$27,382					
341	Structures & Improvements	17,252,734		\$580,793		\$580,793	\$417,219
342	Fuel Holders, Producers & Acces.	4,006,800		128,965		128,965	161,726
344	Generators	73,826,410		2,001,682		2,001,682	2,056,304
345	Accessory Equipment	11,555,121		636,255		636,255	440,181
346	Miscellaneous Equipment	3,576,964		150,370		150,370	105,310
	Total Other Production Plant	<u>\$110,245,411</u>		<u>\$3,498,065</u>	<u>\$0</u>	<u>\$3,498,065</u>	<u>\$3,180,740</u>

1/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study.

**MONTANA-DAKOTA UTILITIES CO.
DEPRECIATION EXPENSE AT PROPOSED RATES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Adjusted Plant - Year End 2021	Proposed Rate 1/	Annual Depreciation	To Clearing Accounts	Annual Depreciation	Adjusted 2021 Actual Depr. Exp.
	<u>Transmission Plant</u>						
350.1	Land	\$1,427,006					
350.2	Rights of Way	2,529,118	1.29%	\$32,626		\$32,626	\$40,123
352	Structures & Improvements	1,271	2.00%	25		25	0
353	Station Equipment	104,067,561	1.47%	1,529,793		1,529,793	1,776,479
354	Towers & Fixtures	1,190,319	1.90%	22,616		22,616	45,991
355	Poles & Fixtures	64,661,935	2.06%	1,332,036		1,332,036	1,191,065
356	Overhead Conductor & Devices	53,648,933	1.64%	879,843		879,843	816,698
357	Underground Conduit	1,594,297	1.99%	31,727		31,727	32,045
358	Underground Conductor & Devices	2,434,105	1.99%	48,439		48,439	48,925
	Total Transmission Plant	\$231,554,545		\$3,877,105	\$0	\$3,877,105	\$3,951,326
	<u>Distribution Plant</u>						
360.1	Land	\$2,787,448					
360.2	Rights of Way	223,490	0.83%	\$1,855		\$1,855	\$2,794
362	Station Equipment	61,184,975	2.05%	1,254,292		1,254,292	1,162,719
364	Poles, Towers & Fixtures	25,915,302	3.76%	974,415		974,415	782,544
365	Overhead Conductors & Devices	22,638,560	3.08%	697,268		697,268	575,680
366	Underground Conduit	200,238	1.53%	3,064		3,064	3,587
367	Underground Conductor & Devices	97,554,608	4.07%	3,970,473		3,970,473	2,037,096
368	Line Transformers	53,269,662	2.16%	1,150,625		1,150,625	971,713
369	Services	26,378,280	2.29%	604,063		604,063	427,965
370	Meters	12,330,610	7.41%	913,698		913,698	883,202
371	Installation on Cust. Premises	1,636,104	9.52%	155,757		155,757	79,178
373	Street Lighting & Signal System	4,835,016	4.27%	206,455		206,455	140,280
	Total Distribution Plant	\$308,954,293		\$9,931,965	\$0	\$9,931,965	\$7,066,758
	<u>General Plant</u>						
389	Land	\$115,287					
390	Structures & Improvements	1,150,765	1.54%	\$17,722		\$17,722	\$9,290
391.1	Office Furniture & Equipment	99,983	8.30%	8,299		8,299	6,661
391.4	Computer Equip. - Prime	0	57.10%	0		0	2,082
391.5	Computer Equip. - Other	51,673	12.10%	6,252		6,252	4,608
392.1	Trans. Equip., Non - Unitized	638,164	0.00%	0	\$0	0	0
392.2	Trans. Equip., Unitized	4,697,399	9.63%	452,360	452,360	0	0

1/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study.

**MONTANA-DAKOTA UTILITIES CO.
DEPRECIATION EXPENSE AT PROPOSED RATES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Adjusted Plant - Year End 2021	Proposed Rate 1/	Annual Depreciation	To Clearing Accounts	Annual Depreciation	Adjusted 2021 Actual Depr. Exp.
394.1	Tools, Shop & Garage Equip.	\$3,715,463	4.82%	\$179,085		\$179,085	\$184,181
395	Laboratory Equipment	393,929	10.31%	40,614		40,614	19,853
396.1	Trailers-Work Equipment	506,592	2.94%	14,894	14,894	0	0
396.2	Power Operated Equipment	7,581,277	8.22%	623,181	623,181	0	0
397.1	Radio Communication Equip. - Fixed	467,680	6.98%	32,644		32,644	29,774
397.2	Radio Communication Equip. - Mobile	113,488	6.87%	7,797		7,797	7,570
397.3	General Telephone Comm. Equip.	0	7.42%	0		0	836
397.5	Supervisory & Telemetering Equip.	42,063	14.27%	6,002		6,002	4,206
397.6	Scada System	1,217,336	9.79%	119,177		119,177	120,356
397.8	Network Equipment	247,415	22.87%	56,584		56,584	51,796
398	Miscellaneous Equipment	38,929	3.83%	1,491		1,491	1,942
	Total General Plant	\$21,077,443		\$1,566,102	\$1,090,435	\$475,667	\$443,155
303	General - Intangible	\$8,335,643		\$930,720		\$930,720	\$789,544
	<u>Common Plant - Electric</u>						
389	Land	\$1,465,394					
390	Structures & Improvements	27,528,501	0.85%	\$233,992		\$233,992	\$234,100
391.1	Office Furniture & Equipment	1,014,216	6.67%	67,648		67,648	69,036
391.3	Computer Equip. - PC	1,432,366	20.00%	286,473		286,473	286,026
391.5	Computer Equip. - Other	790,587	20.00%	158,117		158,117	158,354
392.1	Transport Equip. - Trailers	6,065	0.00%	0	\$0	0	0
392.2	Transport Equip.-Vehicles	3,451,291	6.65%	229,511	229,511	0	0
392.3	Aircraft Equipment	1,970,847	4.00%	78,834		78,834	78,834
393	Stores Equipment	57,340	3.33%	1,909		1,909	1,658
394.1	Tools, Shop & Garage Equip.	318,077	5.56%	17,685		17,685	17,871
394.3	Vehicle Maintenance Equipment	17,989	5.00%	899		899	913
394.4	Vehicle Refueling Equipment	0	5.00%	0		0	(325)
397.1	Radio Communication Equip. - Fixed	1,051,048	6.67%	70,105		70,105	63,953
397.2	Radio Communication Equip. - Mobile	463,116	6.67%	30,890		30,890	30,890
397.3	General Telephone Comm. Equip.	263,766	10.00%	26,377		26,377	26,377
397.5	Supervisory & Telemetering Equip.	6,063	6.67%	404		404	340
397.8	Network Equipment	138,526	20.00%	27,705		27,705	29,878
398	Miscellaneous Equipment	606,746	5.00%	30,337		30,337	30,265
	Total Common Plant	\$40,581,938		\$1,260,886	\$229,511	\$1,031,375	\$1,028,170

1/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study.

**MONTANA-DAKOTA UTILITIES CO.
DEPRECIATION EXPENSE AT PROPOSED RATES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

Acct. No.	Account	Adjusted Plant - Year End 2021	Proposed Rate 1/	Annual Depreciation	To Clearing Accounts	Annual Depreciation	Adjusted 2021 Actual Depr. Exp.
303	Common - Intangible	\$19,550,680		\$1,506,804		\$1,506,804	\$1,428,146
114	Acquisition Adjustment	\$7,381,702	0.00%	\$0		\$0	\$0
	Total Electric Plant in Service	<u>\$958,664,970</u>		<u>\$27,680,679</u>	<u>\$1,319,946</u>	<u>\$26,360,733</u>	<u>\$21,301,704</u>
403.5	Amort. - Power Plant Decommissioning			\$500,000		\$500,000	\$500,000
403.5	Amort. - Wind Decommissioning			584,244		0	0
405.1	Amort. Of Retired Power Plants			(22,878)		(22,878)	(22,878)
407.1	Amort. - Unrecovered Plant			85,930		85,930	85,930
407.3	Amort. - Preferred Stock Redemption			20,943		\$20,943	\$20,943
407.3	Amort. - of Gain/Loss on Buildings			62,095		62,095	62,095
407.3	Amort. - L&C and Heskett Reg Asset Amortization			4,570,946		4,570,946	15,927,953 2/
	Total Depreciation and Amortization			<u>\$33,481,959</u>	<u>\$1,319,946</u>	<u>\$31,577,769</u>	<u>\$37,875,747</u>

1/ Proposed Production, Transmission, Distribution, and General depreciation rates per 2020 year end Depreciation Study.

2/ Balance reflects the 2022 Regulatory Asset Amortization based on the Lewis & Clark Unit I and Heskett Units I & II Regulatory Asset Balances.

**MONTANA-DAKOTA UTILITIES CO.
ACCUMULATED RESERVE FOR DEPRECIATION
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022**

	Adjusted Accumulated Reserve 2021	2022 Average Plant In Service 1/	Composite Rate 2/	2022		Accumulated Reserve 12/31/2022	2022 Average Balance
				Depreciation/ Amortization Expense	Retirements/ Removal 3/		
Steam Production	\$99,383,549	\$210,897,024	2.42%	\$5,103,708	(\$2,447,406)	\$102,039,851	\$100,711,700
Other Production	30,402,978	112,463,545	3.17%	3,565,094	(485,080)	33,482,992	31,942,985
Total Production	<u>\$129,786,527</u>	<u>\$323,360,569</u>		<u>\$8,668,802</u>	<u>(\$2,932,486)</u>	<u>\$135,522,843</u>	<u>\$132,654,685</u>
Transmission	\$63,550,092	\$231,912,894	1.67%	\$3,872,945	(\$4,492,158)	\$61,672,859 10/	\$62,611,476
Distribution	\$93,098,025	\$316,786,565	3.21%	\$10,168,849	(\$3,274,916)	\$99,991,958	\$96,544,992
General							
Other	\$2,246,661	\$7,462,755	7.00%	\$522,393	(\$377,417)	\$2,391,637	\$2,319,149
Structures & Improvements	550,574	2,334,087	1.54%	35,945	(67,320)	519,199	534,887
Computer Equipment	8,373	50,162	12.10%	6,070	(3,023)	11,420	9,897
Transportation	1,569,440	5,743,223	8.48%	487,025	(312,130)	1,744,335	1,656,888
Work Equipment	2,789,637	8,334,408	7.89%	657,585	(473,140)	2,974,082	2,881,860
Total General	<u>\$7,164,685</u>	<u>\$23,924,635</u>		<u>\$1,709,018</u>	<u>(\$1,233,030)</u>	<u>\$7,640,673</u>	<u>\$7,402,681</u>
General - Intangible	\$3,734,670	\$8,804,265	4/	\$1,022,254	\$0	\$4,756,924	\$4,245,797
Common							
Other	\$3,563,102	\$7,949,832	4.78%	\$380,002	(\$142,301)	\$3,800,803	\$3,681,953
Structures & Improvements	7,480,351	27,436,734	0.85%	233,212	(531,300)	7,182,263	7,331,307
Computer Equipment	885,765	2,371,756	20.00%	474,351	(42,903)	1,317,213	1,101,489
Vehicles	878,135	3,517,096	6.64%	233,535	(66,727)	1,044,943	961,539
Total Common	<u>\$12,807,353</u>	<u>\$41,275,418</u>		<u>\$1,321,100</u>	<u>(\$783,231)</u>	<u>\$13,345,222</u>	<u>\$13,076,288</u>
Common - Intangible	\$11,577,468	\$19,867,969	4/	\$1,564,803	(\$82,113)	\$13,060,158	\$12,318,813
Acquisition Adjustment	\$7,381,181	\$7,381,702	0.00%	\$0	\$0	\$7,381,181	\$7,381,181
Amort. - Power Plant Decommissioning	<u>(\$14,250)</u>	<u>\$0</u>	4/	<u>\$0</u> 6/	<u>\$0</u>	<u>(\$14,250)</u>	<u>(\$14,250)</u>
Total Accumulated Reserve	<u><u>\$329,085,751</u></u>	<u><u>\$973,314,017</u></u>		<u><u>\$28,327,771</u></u>	<u><u>(\$12,797,934)</u></u>	<u><u>\$343,357,568</u></u>	<u><u>\$336,221,663</u></u>
Book Depreciation Expense				<u>\$26,949,626</u> 9/			
Amort. - of Preferred Stock Redemption			5/	\$20,943		7/	7/
Amort. - of Gain/Loss on Buildings			5/	62,095		8/	8/
Amort. - Lewis & Clark Unit I and Heskett Units I & II Regulatory Asset			5/	15,927,953		11/	11/
Total Depreciation/Amortization Expense				<u>\$42,960,617</u>			

1/ See Statement B, page 1.

2/ Composite rates based on proposed depreciation rates by account. See Statement H, Schedule H-1, page 1.

3/ Based on the three-year average of retirements found in Statement Workpaper B, Schedule B-1, page 1.

4/ Amortization based on the life of each item.

5/ Amortized.

6/ See Statement D, Schedule D-1, Page 9.

7/ The balance is included in the Preferred Stock Redemption on Statement D, Page 5.

8/ The balance is included in the (Gain)/Loss on Sale of Buildings on Statement D page 6.

9/ Excludes depreciation on vehicles and work equipment, which are charged to a clearing account.

10/ Mandan Substation (\$10,410,567) reclassified from integrated system to FERC jurisdiction during 2022.

11/ The balance is included in the Lewis & Clark Unit I and Heskett Units I & II Regulatory Asset on Statement D, Page 11.

**MONTANA-DAKOTA UTILITIES CO.
ACCUMULATED RESERVE FOR DEPRECIATION
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

	Accumulated Reserve 12/31/2022	2023 Average Plant In Service 1/	Composite Rate 2/	2023 Depreciation/ Amortization Expense	Retirements/ Removal 3/	Accumulated Reserve 12/31/2023	2023 Average Balance	
Steam Production	\$102,039,851	\$211,126,409	2.42%	\$5,109,259	(\$2,445,405)	\$104,703,705	\$103,371,778	
Other Production	33,482,992	114,927,084	3.17%	3,643,189	(504,599)	36,621,582	35,052,287	
Heskett Unit IV Gas Turbine	0	46,469,597	2.33%	1,082,742	0	1,082,742	1,082,742	10/
Total Production	\$135,522,843	\$372,523,090		\$9,835,190	(\$2,950,004)	\$142,408,029	\$139,506,807	
Transmission	\$61,672,859	\$235,301,764	1.67%	\$3,929,539	(\$4,506,062)	\$61,096,336	\$61,384,598	
Distribution	\$99,991,958	\$331,118,734	3.21%	\$10,628,911	(\$3,440,960)	\$107,179,909	\$103,585,934	
General								
Other	\$2,391,637	\$9,224,506	7.00%	\$645,715	(\$495,725)	\$2,541,627	\$2,466,632	
Structures & Improvements	519,199	3,414,524	1.54%	52,584	(205,768)	366,015	442,607	
Computer Equipment	11,420	47,227	12.10%	5,714	(2,846)	14,288	12,854	
Transportation	1,744,335	6,298,540	8.48%	534,116	(359,827)	1,918,624	1,831,480	
Work Equipment	2,974,082	9,018,446	7.89%	711,555	(501,985)	3,183,652	3,078,867	
Total General	\$7,640,673	\$28,003,243		\$1,949,684	(\$1,566,151)	\$8,024,206	\$7,832,440	
General - Intangible	\$4,756,924	\$10,469,858	4/	\$1,442,104	\$0	\$6,199,028	\$5,477,976	
Common								
Other	\$3,800,803	\$9,322,507	4.78%	\$445,616	(\$164,562)	\$4,081,857	\$3,941,330	
Structures & Improvements	7,182,263	27,399,833	0.85%	232,899	(527,758)	6,887,404	7,034,834	
Computer Equipment	1,317,213	2,700,919	20.00%	540,184	(48,647)	1,808,750	1,562,982	
Vehicles	1,044,943	3,704,711	6.64%	245,993	(69,033)	1,221,903	1,133,423	
Total Common	\$13,345,222	\$43,127,970		\$1,464,692	(\$810,000)	\$13,999,914	\$13,672,569	
Common - Intangible	\$13,060,158	\$21,332,370	4/	\$1,720,419	(\$84,778)	\$14,695,799	\$13,877,979	
Acquisition Adjustment	\$7,381,181	\$7,381,702	0.00%	\$0	\$0	\$7,381,181	\$7,381,181	
Amort. - Power Plant Decommissioning	(\$14,250)	\$0	4/	\$647,584	\$0	\$633,334	\$309,542	
Total Accumulated Reserve	<u>\$343,357,568</u>	<u>\$1,049,258,731</u>		<u>\$31,618,123</u>	<u>(\$13,357,955)</u>	<u>\$361,617,736</u>	<u>\$353,029,026</u>	
Book Depreciation Expense				<u>\$30,126,459</u>	9/			
Amort. - of Preferred Stock Redemption			5/	\$20,943		7/	7/	
Amort. - of Gain/Loss on Buildings			5/	62,095		8/	8/	
Amort. - Lewis & Clark Unit I and Heskett Units I & II Regulatory Asset			11/	0				
Total Depreciation/Amortization Expense				<u>\$30,209,497</u>				

1/ See Statement B, page 1.

2/ Composite rates based on proposed depreciation rates by account. See Statement H, Schedule H-1, page 1.

3/ Based on the three-year average of retirements found in Statement Workpaper B, Schedule B-1, page 1.

4/ Amortization based on the life of each item.

5/ Amortized.

6/ See Statement D, Schedule D-1, Page 9.

7/ The balance is included in the Preferred Stock Redemption on Statement D, Page 5.

8/ The balance is included in the (Gain)/Loss on Sale of Buildings on Statement D page 6.

9/ Excludes depreciation on vehicles and work equipment, which are charged to a clearing account.

10/ Depreciation recorded as full year.

11/ Moved to Generation Rider.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
INTANGIBLE PLANT AMORTIZATION RATES
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

	Total Plant	Amortization
General Intangible - Base Depreciation	\$8,335,643	\$930,720
2022 General Intangible Additions	937,243	91,534
2022 General Intangible Depreciation	<u>\$9,272,886</u>	<u>\$1,022,254</u>
General Intangible - Base Depreciation		\$1,022,254
2022 General Intangible Additions		183,068
2023 General Intangible Additions	\$2,393,941	236,782
2023 General Intangible Depreciation	<u>\$11,666,827</u>	<u>\$1,442,104</u>
Common Intangible - Base Depreciation	\$19,550,680	\$1,506,804
2022 Common Intangible Additions	716,691	57,999
2022 Common Intangible Retirements		<u>0</u> 1/
2022 Common Intangible Depreciation	<u>\$20,267,371</u>	<u>\$1,564,803</u>
Common Intangible - Base Depreciation		\$1,506,804
2022 Common Intangible Additions	\$716,691	115,998
2023 Common Intangible Additions	2,379,004	105,828
2023 Common Intangible Retirements	<u>(82,113)</u>	<u>(8,211)</u> 1/
2023 Common Intangible Depreciation	<u>\$23,280,953</u>	<u>\$1,720,419</u>

1/ Estimate expected life for retirements is 10 years.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
INTANGIBLE PLANT AMORTIZATION RATES
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023**

		Amount	Expected Life	Amortization
	<u>2022 General Intangible Additions</u>			
FP-317026	Upgrade Distribution SCADA System	\$746,552	5	\$149,310
FP-318714	Install DMS & SCADA Software	100,293	5	20,059
FP-312056	Upgrade GIS Data Addition SCADA	76,662	7	10,952
FP-321508	Upgrade TRI Software	13,736	5	2,747
		<u>\$937,243</u>		<u>\$183,068</u>
			First year:	\$91,534
	<u>2022 Common Intangible Additions</u>			
FP-100575	Customer Self Service Web	\$38,178	10	\$3,818
FP-316051	Replace GIS Landbase	462,457	7	66,065
FP-319697	Upgrade CC&B	114,348	5	22,870
FP-321271	Create New Datasets for ThroughSpot	74,099	5	14,820
FP-321576	Bottomline Transform Licenses	5,839	5	1,168
FP-321785	Install Powerplan Patch	21,770	3	7,257
		<u>\$716,691</u>		<u>\$115,998</u>
			First year:	\$57,999
	<u>2023 General Intangible Additions</u>			
FP-312056	Upgrade GIS Data Addition SCADA	\$77,615	7	\$11,088
FP-316300	Install Outage Management System	2,146,511	5	429,302
FP-319703	IT Network Equipment	156,002	5	31,200
FP-321700	Upgrade TRI Software	13,813	7	1,973
		<u>\$2,393,941</u>		<u>\$473,563</u>
			First year:	\$236,782
	<u>2023 Common Intangible Additions</u>			
FP-100550	Upgrade Work Asset Management	\$2,159,275	12	\$179,940
FP-100575	Upgrade Customer Self Service Web/IVR	37,711	10	3,771
FP-321271	Create New Datasets for ThoughtSpot	33,993	5	6,799
FP-321544	Upgrade Powerplan Production	148,025	7	21,146
		<u>\$2,379,004</u>		<u>\$211,656</u>
			First year:	\$105,828

**MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF TAXES OTHER THAN INCOME
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

Type of Tax	Per Books	Adjusted	Projected	
	2021	2021	2022	2023
Ad Valorem:				
Production	\$2,293,640	\$2,024,193	\$2,037,495	\$2,347,268
Transmission	1,431,668	1,201,737	1,203,628	1,221,216
Distribution	1,417,578	1,417,578	1,453,417	1,519,173
General	132,143	132,143	149,984	175,552
Common	150,291	150,291	152,843	159,703
Intangible	170,283	170,283	175,073	194,184
Total Ad Valorem Taxes	<u>\$5,595,603</u>	<u>\$5,096,225</u>	<u>\$5,172,440</u>	<u>\$5,617,096</u>
O&M Related Taxes - Other:				
Payroll Taxes	\$1,667,585	\$1,379,449	\$1,493,636	\$1,574,326
Delaware Franchise	24,256	24,256	24,256	24,256
Total O&M Related Taxes	<u>\$1,691,841</u>	<u>\$1,403,705</u>	<u>\$1,517,892</u>	<u>\$1,598,582</u>
Electric Production Taxes:				
Montana Electric 1/	\$102,195	\$78,345	\$79,767	\$81,939
North Dakota Coal Conversion 2/	367,864	201,950	50,826	53,234
Wind Generation	487,957	0	0	0
Total Electric Production	<u>\$958,016</u>	<u>\$280,295</u>	<u>\$130,593</u>	<u>\$135,173</u>
Other:				
Highway Use Tax	\$4,213	\$4,213	\$4,213	\$4,213
Secretary of State	1,353	1,353	1,353	1,353
Total Other	<u>\$5,566</u>	<u>\$5,566</u>	<u>\$5,566</u>	<u>\$5,566</u>
Total Taxes Other Than Income	<u><u>\$8,251,026</u></u>	<u><u>\$6,785,791</u></u>	<u><u>\$6,826,491</u></u>	<u><u>\$7,356,417</u></u>

1/ Montana Wholesale Energy Tax and Generation Tax. See Statement Workpaper I, Page 1.
2/ See Statement Workpaper I, Page 2.

**MONTANA-DAKOTA UTILITIES CO.
AD VALOREM TAXES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Effective Tax Rate	Projected 2022		Projected 2023	
		Avg. Plant Balance 1/	Ad Valorem Tax	Avg. Plant Balance 1/	Ad Valorem Tax
Production	0.6301%	\$323,360,569	\$2,037,495	\$372,523,090	\$2,347,268
Transmission	0.5190%	231,912,894	1,203,628	235,301,764	1,221,216
Distribution	0.4588%	316,786,565	1,453,417	331,118,734	1,519,173
General	0.6269%	23,924,635	149,984	28,003,243	175,552
Common	0.3703%	41,275,418	152,843	43,127,970	159,703
Intangible	0.6106%	28,672,234	175,073	31,802,228	194,184
Total Ad Valorem Taxes		<u>\$965,932,315</u>	<u>\$5,172,440</u>	<u>\$1,041,877,029</u>	<u>\$5,617,096</u>

1/ See Statement B, page 1.

<u>Per Books 2021</u>	<u>Total</u>	<u>Renewable Rider</u>	<u>Transmission Rider</u>	<u>Adjusted</u>
Production	\$2,293,640	\$269,447		\$2,024,193
Transmission	1,431,668		\$229,931	1,201,737
Distribution	1,417,578			1,417,578
General	132,143			132,143
Common	150,291			150,291
Intangible	170,283			170,283
	<u>\$5,595,603</u>	<u>\$269,447</u>	<u>\$229,931</u>	<u>\$5,096,225</u>

Development of Effective Tax Rate:

<u>Function</u>	<u>Plant Balance @ 12/31/2021 1/</u>	<u>Adjusted Ad Valorem Tax @ 12/31/2021</u>	<u>Effective Tax Rate</u>
Production	\$321,228,726	\$2,024,193	0.6301%
Transmission	231,554,545	1,201,737	0.5190%
Distribution	308,954,293	1,417,578	0.4588%
General	21,077,443	132,143	0.6269%
Common	40,581,938	150,291	0.3703%
Intangible	27,886,323	170,283	0.6106%
Total	<u>\$951,283,268</u>	<u>\$5,096,225</u>	

1/ Plant balance excludes assets from Lewis and Clark Unit I and Heskett Unit I & II, and assets included in the renewable rider and transmission rider.

**MONTANA-DAKOTA UTILITIES CO.
PAYROLL TAXES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022 - 2023**

	Per Books 2021	Adjusted 2021	Projected	
			2022	2023
Labor Expense 1/	\$25,360,879	\$21,278,159	\$22,699,640	\$23,925,931
Payroll Taxes	\$1,667,585	\$1,379,449	\$1,493,636	\$1,574,326
% Payroll Taxes to Labor	6.58%	6.48%	6.58%	6.58%

1/ See Statement G, Schedule G-1, page 10 for per books and projected labor.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
CALCULATION OF INCOME TAXES
PROJECTED 2022 - 2023**

	Projected	
	2022	2023
<u>Operating Revenues</u>		
Sales Revenues	\$171,209,147	\$172,902,977
Sales for Resale	0	0
Other Revenues	3,896,420	3,898,165
Total Operating Revenues	\$175,105,567	\$176,801,142
<u>Operating Expenses</u>		
Operation and Maintenance		
Cost of Fuel & Purchased Power	\$44,292,587	\$45,814,244
Other O&M	52,153,453	55,764,922
Total O&M	\$96,446,040	\$101,579,166
Depreciation and Amortization Expense	42,960,617	30,209,497
Taxes Other Than Income	6,826,491	7,356,417
Total Operating Expenses	\$146,233,148	\$139,145,080
Operating Income	\$28,872,419	\$37,656,062
Adjustments to Taxable Income:		
AFUDC Equity Add Back	\$270,123	\$441,456
Other Adjustments to Taxable Income	(\$797,546)	(\$797,546)
Interest 1/	(12,799,686)	(13,333,236)
Total Adjustments to Taxable Income	(\$13,327,109)	(\$13,689,326)
Taxable Income	\$15,545,310	\$23,966,736
Federal & State Income Taxes	\$3,793,817	\$5,849,058
Plant Related Excess Deferred - ARAM	(1,389,725)	(926,911)
Total Income Taxes	\$2,404,092	\$4,922,147

1/ See Statement J, Schedule J-1 page 1.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
INTEREST EXPENSE DEDUCTION
PROJECTED 2022 - 2023**

	Projected	
	2022	2023
Rate Base 1/	\$586,603,391	\$612,177,981
Weighted Cost of Debt 2/	2.182%	2.178%
Interest Expense	<u>\$12,799,686</u>	<u>\$13,333,236</u>

1/ See Statement A, page 3.

2/ See Statement E, page 1. Includes short and long-term debt.

MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF ACCUMULATED DEFERRED INCOME TAXES
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023

	Per Books 2020	Per Books 2021	Average Balance 2021	Adjusted Per Books 2021 1/	Average Adjusted 2021
Liberalized Depreciation	\$178,202,905	\$181,321,549	\$179,762,228	\$119,663,976	\$114,171,735
Contribution in Aid of Construction	(5,580,557)	(6,207,356)	(5,893,957)	(6,207,356)	(5,893,957)
Full Normalization 2/	205,641	0	102,821	0	102,821
Gain/Loss on Sale of Buildings	251,579	236,425	244,002	236,425	244,002
Unamortized Loss on Debt	395,230	316,293	355,762	316,293	355,762
Customer Advances	(500,577)	(291,025)	(395,801)	(291,025)	(395,801)
Accelerated Amortization	223,607	4,181	113,894	0	0
Investment Tax Credit	(1,630,837)	(1,756,486)	(1,693,662)	0	0
Decommissioning	(308,019)	(572,628)	(440,324)	0	0
Renewable Rider Regulatory Liability	(609,743)	(1,885,338)	(1,247,541)	0	0
Retired Power Plant	(5,583)	0	(2,792)	0	(2,792)
Lewis & Clark Unit 1 Regulatory Asset	0	6,140,675	3,070,338	0	0
Provision for Pensions & Benefits	0	0	0	0	0
Provision for Post Retirements	0	0	0	0	0
Total	<u>\$170,643,646</u>	<u>\$177,306,290</u>	<u>\$173,974,968</u>	<u>\$113,718,313</u>	<u>\$108,581,770</u>

	Projected 2022			Projected 2023		
	Activity	Year End	Average	Activity	Year End	Average
Liberalized Depreciation	\$1,467,477	\$121,131,453	\$120,343,774 3/	\$1,571,094	\$122,702,547	\$121,859,251 3/
Contribution in Aid of Construction	0	(6,207,356)	(6,207,356)	0	(6,207,356)	(6,207,356)
Full Normalization 2/	0	0	0	0	0	0
Gain/Loss on Sale of Buildings	(15,151)	221,274	228,849	(15,151)	206,123	213,698
Unamortized Loss on Debt	(74,146)	242,147	279,220	(74,146)	168,001	205,074
Customer Advances	13	(291,012)	(291,019)	0	(291,012)	(291,012)
Accelerated Amortization 4/	0	0	0	0	0	0
Investment Tax Credit 4/	0	0	0	0	0	0
Decommissioning 4/	0	0	0	0	0	0
Renewable Rider Regulatory Liability 4/	0	0	0	0	0	0
Retired Power Plant	0	0	0	0	0	0
Lewis & Clark Unit 1 Regulatory Asset 4/	0	0	0	0	0	0
Provision for Pensions & Benefits	4,027,556	4,027,556	2,013,778	20,208	4,047,764	4,037,660
Provision for Post Retirements	855,224	855,224	427,612	149,368	1,004,592	929,908
Total	<u>\$6,260,973</u>	<u>\$119,979,286</u>	<u>\$116,794,858</u>	<u>\$1,651,373</u>	<u>\$121,630,659</u>	<u>\$120,747,223</u>

1/ Adjusted per books 2021 reflects year end 2021 per books deferred tax balances less any balances included in the Renewable or Transmission rider, Heskett Unit I & II, and balances included in the deferred accounting treatment for Lewis & Clark Unit I.

2/ South Georgia normalization fully amortized in 2021.

3/ Average Liberalized Depreciation balances based on monthly proration methodology.

4/ Items are related to the Renewable Rider, Transmission Rider, or retirement of Lewis & Clark Unit I and Heskett Unit I & II.

**MONTANA-DAKOTA UTILITIES CO.
LIBERALIZED DEPRECIATION
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023**

Beg. Balance & Monthly Changes	Month	Year	Weighting For Projection	Monthly Increments	Balance/ Increments	Average Balance
Balance	December	2021	100.00%			\$119,663,976
Increment	January	2022	91.78%	\$122,290	\$112,238	119,776,214
Increment	February	2022	84.11%	122,290	102,858	119,879,072
Increment	March	2022	75.62%	122,290	92,476	119,971,548
Increment	April	2022	67.40%	122,290	82,423	120,053,971
Increment	May	2022	58.90%	122,290	72,029	120,126,000
Increment	June	2022	50.68%	122,290	61,977	120,187,977
Increment	July	2022	42.19%	122,290	51,594	120,239,571
Increment	August	2022	33.70%	122,290	41,212	120,280,783
Increment	September	2022	25.48%	122,290	31,159	120,311,942
Increment	October	2022	16.99%	122,290	20,777	120,332,719
Increment	November	2022	8.77%	122,290	10,725	120,343,444
Increment	December	2022	0.27%	122,287	330	120,343,774
Total				\$1,467,477	\$679,798	
Balance	December	2022	100.00%			\$121,131,453
Increment	January	2023	91.78%	\$130,925	\$120,163	121,251,616
Increment	February	2023	84.11%	130,925	110,121	121,361,737
Increment	March	2023	75.62%	130,925	99,005	121,460,742
Increment	April	2023	67.40%	130,925	88,243	121,548,985
Increment	May	2023	58.90%	130,925	77,115	121,626,100
Increment	June	2023	50.68%	130,925	66,353	121,692,453
Increment	July	2023	42.19%	130,925	55,237	121,747,690
Increment	August	2023	33.70%	130,925	44,122	121,791,812
Increment	September	2023	25.48%	130,925	33,360	121,825,172
Increment	October	2023	16.99%	130,925	22,244	121,847,416
Increment	November	2023	8.77%	130,925	11,482	121,858,898
Increment	December	2023	0.27%	130,919	353	121,859,251
Total				\$1,571,094	\$727,798	

**MONTANA-DAKOTA UTILITIES CO.
DEFERRED INCOME TAX ON PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2021**

	<u>Projected 2022 Year End</u>	<u>Projected 2023 Year End</u>
<u>Depreciation Adjustment</u>		
Tax Depreciation:		
2021 and Prior Vintages	\$31,126,543	\$25,692,021
2022 Year End Additions	3,214,272	5,604,036
2023 Year End Additions		<u>6,112,100</u>
Total Tax Depreciation	<u>\$34,340,815</u>	<u>\$37,408,157</u>
 Book Depreciation: 1/		
Projected 2022	\$28,327,771	
Projected 2023		<u>\$30,970,539</u>
Total Book Depreciation	<u>\$28,327,771</u>	<u>\$30,970,539</u>
 Tax to Book Depreciation Difference	<u><u>\$6,013,044</u></u>	<u><u>\$6,437,618</u></u>
 <u>Deferred Income Taxes - Current</u>	<u><u>\$1,467,477</u></u>	<u><u>\$1,571,094</u></u>

1/ Includes depreciation on sub-plant accounts charged to clearing accounts and excludes amortization from Boiler Decommissioning, Retired Power Plant Decommissioning, Unrecovered Plant, Preferred Stock Redemption, Gain/Loss on Buildings and Excess Deferred Income Taxes.

**MONTANA-DAKOTA UTILITIES CO.
TAX DEPRECIATION ON 2022 PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022 - 2023**

	2022 Plant Additions	Annual Depreciation	Book Depr. for Taxes 1/	2022 Deferred Tax Calculation			2023 Deferred Tax Calculation		
				Tax Depreciation 2/	Book/Tax Difference	Deferred Income Taxes 3/	Tax Depreciation 2/	Book/Tax Difference	Deferred Income Taxes 3/
Steam Production	\$2,274,824	\$55,051	\$27,526	\$85,306	\$57,780	\$14,101	\$164,220	\$109,169	\$26,643
Other Production	4,921,348	156,007	78,004	246,067	168,063	41,016	467,528	311,521	76,026
Total Production	<u>\$7,196,172</u>	<u>\$211,058</u>	<u>\$105,530</u>	<u>\$331,373</u>	<u>\$225,843</u>	<u>\$55,117</u>	<u>\$631,748</u>	<u>\$420,690</u>	<u>\$102,669</u>
Transmission	\$15,619,412	\$260,844	\$130,422	\$585,728	\$455,306	\$111,117	\$1,127,565	\$866,721	\$211,522
Distribution	\$18,939,459	\$607,957	\$303,979	\$710,230	\$406,251	\$99,145	\$1,367,240	\$759,283	\$185,302
General									
Other	\$2,399,781	\$167,985	\$83,993	\$342,929	\$258,936	\$63,193	\$587,706	\$419,721	\$102,432
Structures & Improvements	2,433,963	37,483	18,742	33,856	15,114	3,689	62,407	24,924	6,083
Computer Equipment	0	0	0	0	0	0	0	0	0
Transportation	1,127,449	95,608	47,804	225,490	177,686	43,364	360,784	265,176	64,716
Work Equipment	966,218	76,235	38,118	138,073	99,955	24,394	236,627	160,392	39,144
Total General	<u>\$6,927,411</u>	<u>\$377,311</u>	<u>\$188,657</u>	<u>\$740,348</u>	<u>\$551,691</u>	<u>\$134,640</u>	<u>\$1,247,524</u>	<u>\$870,213</u>	<u>\$212,375</u>
General - Intangible	\$937,244	\$183,068	\$91,534	\$312,383	\$220,849	\$53,898	\$416,605	\$233,537	\$56,994
Common									
Other	\$1,295,708	\$61,935	\$30,968	\$185,157	\$154,189	\$37,630	\$317,319	\$255,384	\$62,326
Structures & Improvements	347,766	2,956	1,478	4,837	3,359	820	8,917	5,961	1,455
Computer Equipment	340,508	68,102	34,051	68,102	34,051	8,310	108,963	40,861	9,972
Vehicles	186,206	12,364	6,182	37,241	31,059	7,580	59,586	47,222	11,524
Total Common	<u>\$2,170,188</u>	<u>\$145,357</u>	<u>\$72,679</u>	<u>\$295,337</u>	<u>\$222,658</u>	<u>\$54,340</u>	<u>\$494,785</u>	<u>\$349,428</u>	<u>\$85,277</u>
Common - Intangible	<u>\$716,690</u>	<u>\$115,998</u>	<u>\$57,999</u>	<u>\$238,873</u>	<u>\$180,874</u>	<u>\$44,142</u>	<u>\$318,569</u>	<u>\$202,571</u>	<u>\$49,437</u>
Total Additions	<u><u>\$52,506,576</u></u>	<u><u>\$1,901,593</u></u>	<u><u>\$950,800</u></u>	<u><u>\$3,214,272</u></u>	<u><u>\$2,263,472</u></u>	<u><u>\$552,399</u></u>	<u><u>\$5,604,036</u></u>	<u><u>\$3,702,443</u></u>	<u><u>\$903,576</u></u>

1/ Annual depreciation divided by 2 to reflect first year depreciation for half-year convention.

2/ Tax depreciation rates are:

	<u>Tax Rates = Yr 1</u>	<u>Tax Rates = Yr 2</u>	
Steam Production	3.750%	7.219%	(20 Yr.)
Other Production	5.000%	9.500%	(15 Yr.)
Transmission	3.750%	7.219%	(20 Yr.)
Distribution	3.750%	7.219%	(20 Yr.)
General & Common	14.290%	24.490%	(7 Yr.)
Transportation & Computer	20.000%	32.000%	(5 Yr.)
Structures & Improvements	1.391%	2.564%	(39 Yr.)
Intangible	33.330%	44.450%	(3 Yr.)

3/ Tax Rate 24.4049%

**MONTANA-DAKOTA UTILITIES CO.
TAX DEPRECIATION ON 2023 PLANT ADDITIONS
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2023**

	2023 Plant Additions	Annual Depreciation	Book Depr. for Taxes 1/	Tax Depreciation 2/	Book/Tax Difference	Deferred Income Taxes 3/
Steam Production	\$3,076,756	\$74,457	\$37,229	\$115,378	\$78,149	\$19,072
Other Production	995,408	31,554	15,777	49,770	33,993	8,296
Heskett IV	46,469,597	1,082,742	1,082,742 4/	2,323,480	1,240,738	302,801
Total Production	<u>\$50,541,761</u>	<u>\$1,188,753</u>	<u>\$1,135,748</u>	<u>\$2,488,628</u>	<u>\$1,352,880</u>	<u>\$330,169</u>
Transmission	\$10,567,106	\$176,471	\$88,236	\$396,266	\$308,030	\$75,174
Distribution	\$16,440,755	\$527,748	\$263,874	\$616,528	\$352,654	\$86,065
General						
Other	\$1,996,863	\$139,780	\$69,890	\$285,352	\$215,462	\$52,583
Structures & Improvements	0	0	0	0	0	0
Computer Equipment	0	0	0	0	0	0
Transportation	655,143	55,556	27,778	131,029	103,251	25,198
Work Equipment	1,376,983	108,644	54,322	196,771	142,449	34,765
Total General	<u>\$4,028,989</u>	<u>\$303,980</u>	<u>\$151,990</u>	<u>\$613,152</u>	<u>\$461,162</u>	<u>\$112,546</u>
General - Intangible	\$2,393,942	\$473,563	\$236,782	\$797,901	\$561,119	\$136,941
Common						
Other	\$1,756,506	\$83,961	\$41,981	\$251,005	\$209,024	\$51,012
Structures & Improvements	637,489	5,419	2,710	8,867	6,157	1,503
Computer Equipment	409,368	81,874	40,937	81,874	40,937	9,991
Vehicles	324,785	21,566	10,783	64,957	54,174	13,221
Total Common	<u>\$3,128,148</u>	<u>\$192,820</u>	<u>\$96,411</u>	<u>\$406,703</u>	<u>\$310,292</u>	<u>\$75,727</u>
Common - Intangible	<u>\$2,379,004</u>	<u>\$211,656</u>	<u>\$105,828</u>	<u>\$792,922</u>	<u>\$687,094</u>	<u>\$167,685</u>
Total Additions	<u><u>\$89,479,705</u></u>	<u><u>\$3,074,991</u></u>	<u><u>\$2,078,869</u></u>	<u><u>\$6,112,100</u></u>	<u><u>\$4,033,231</u></u>	<u><u>\$984,307</u></u>

1/ Annual depreciation divided by 2 to reflect first year depreciation for half-year convention.

2/ Tax depreciation rates are:	Tax Rates = Yr 1	
Steam Production	3.750%	(20 Yr.)
Other Production	5.000%	(15 Yr.)
Transmission	3.750%	(20 Yr.)
Distribution	3.750%	(20 Yr.)
General & Common	14.290%	(7 Yr.)
Transportation & Computer	20.000%	(5 Yr.)
Structures & Improvements	1.391%	(39 Yr.)
Intangible	33.330%	(3 Yr.)

3/ Tax Rate 24.4049%

4/ Heskett IV book depreciation at full year value.

MONTANA-DAKOTA UTILITIES CO.
CALCULATION OF RECORDED STATE AND FEDERAL INCOME TAXES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021

	Per Books 2021
Operating Revenues	<u>\$213,635,142</u>
Operating Expense:	
O&M Expense	\$124,189,562
Depreciation Expense	43,429,137
Taxes Other than Income	8,251,026
Total Operating Expense	<u>\$175,869,725</u>
Operating Income	\$37,765,417
Interest Expense	\$16,031,713
Book Taxable Income before Adjustments	\$21,733,704
Deductions and Adjustments to Book Income:	
Tax Deductions	\$18,822,222
Total Deductions and Adjustments	<u>\$18,822,222</u>
Taxable Income - Before State Income Tax	\$2,911,482
Less: State and Local Income Taxes	35,500
Federal Taxable Income	<u>\$2,875,982</u>
Federal Income Taxes @ 21%	\$603,956
Credits and Adjustments	(10,073,173)
State Income Taxes	35,500
Federal and State Income Taxes	<u>(\$9,433,717)</u>
Closing/Filing - Federal and State	(894,400)
Total Federal and State Income Taxes	<u><u>(\$10,328,117)</u></u>

**MONTANA-DAKOTA UTILITIES CO.
INCOME TAX DEDUCTIONS
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021**

	Per Books 2021
<u>Timing Deductions & Adjustments</u>	
AFUDC Debt/Capitalized Interest	(1,091,564)
Bad Debts Expense	374,200
Customer Advances	858,648
F&PP Deferral	3,495,248
Incentive Compensation	1,144,670
ND Generation Rider	(55,601)
ND Renewable Rider	(1,355,954)
ND Transmission Rider	(2,523,452)
Prepaid Expenses	(2,438)
Property Insurance Recovery	(342,421)
Sundry Reserve	58,953
Vacation Pay	(85,735)
Capacity Revenue	58,133
WAPA Demand Revenue	35,044
Deferred Pension Expense	193,469
Deferred Post Retirement Expense (FAS 106)	596,985
Deferred Compensation - Officers	(89,490)
Unamortied Loss on Reaquired Debt	(303,007)
Preferred Stock Redemption	(20,943)
ND Renewable Rider - Noncurrent	(5,226,798)
Miscellaneous - Noncurrent	(710,623)
Regulatory Commission Expense	43,060
Deferred Medicare Part D	49,836
Payroll Tax Deferral	561,361
Abandoned Power Plant Cost Recovery	(85,930)
Retired Power Plant	22,878
Gain/Loss on Sale of Buildings	(62,095)
ND Generation Rider - Noncurrent	26,123,210
Plant Closure	(16,778,783)
Property Related Timing Differences	15,624,788
<u>Permanent Deductions & Adjustments</u>	
Total AFUDC CWIP	(347,688)
Total AFUDC Property	(538,193)
100% Entertainment	(378)
Penalties	(22,255)
Transportation Fringe - Parking	(35,884)
Fuel Tax Credit	(6,311)
Peformance Share Program	54,128
Executive Compensation	(795,473)
Unrealized Gain/Loss on Deferred Compensation	8,387
Accrued Tax Interest	240
 Total M-1 Deductions	 <u><u>\$18,822,222</u></u>

**MONTANA-DAKOTA UTILITIES CO.
DEFERRED INCOME TAXES
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021**

	Per Books 2021
<u>Timing Deductions & Adjustments:</u>	
AFUDC - Debt/Capitalized Interest	(\$264,576)
Capacity Revenue	14,131
WAPA Demand Revenue	8,518
Deferred Pension Expense	47,538
Deferred Postretirement Benefits Costs (FAS 106)	146,688
Deferred Compensation - Directors	(21,989)
Bad Debt Expense	91,323
Incentive Compensation	281,263
Property Insurance	(83,873)
Vacation Pay	(21,066)
Customer Advances	209,552
Prepaid Expenses	(605)
F&PP Deferral	853,012
ND Generation Rider	(13,569)
Unamortized Loss on Debt	(74,134)
Preferred Stock Redemption	(5,111)
ND Transmission Rider	(615,846)
ND Renewable Rider	(1,606,514)
Miscellaneous	(172,734)
Sundry Reserves	14,440
Regulatory Commission Expense	10,509
Medicare Part D	12,246
Payroll Tax Deferral	137,935
Abandoned Power Plant Cost Recovery	(20,971)
Retired Power Plant	5,583
Gain/Loss on Sale of Buildings	(17,034)
Genreation Rider - L&C	6,375,343
Property Timing Differences	3,813,214
Plant Closure	(4,095,259)
 <u>Amortization of Excess ADITs</u>	
TCJA Excess Plant Related - ARAM	(2,608,999)
South Georgia Normalization	(205,641)
 <u>Other Deferred Income Tax Adjustments</u>	
Closing/Filing and Out of Period	1,078,733
 Total Deferred Income Taxes	<u><u>\$3,272,107</u></u>

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
Embedded Class Cost of Service Study
Cost of Service by Component
Projected 2023

	Total North Dakota	Demand Prod. & Trans.	Residential Rate 10 Demand Distribution	Energy	Customer	Total Residential Rate 10
Rate Base	612,177,981	160,495,630	35,164,242	713,472	99,086,391	295,459,735
Operating Income for Proposed Return	45,992,932	12,058,038	2,641,890	53,603	7,444,361	22,197,892
Current Operating Income	32,733,915	(16,716,048)	(3,325,469)	31,099,209	(3,675,795)	7,381,897
Increase in Operating Income	13,259,017	28,774,086	5,967,359	(31,045,606)	11,120,156	14,815,995
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	9,289,347	1,926,485	(10,022,672)	3,589,998	4,783,158
Total Increase in Revenue	17,539,519	38,063,433	7,893,844	(41,068,278)	14,710,154	19,599,153
Total Revenue Before Increase	176,801,142	450,901	176,436	56,451,889	14,184,912	71,264,138
Total Cost of Service Required from Rates	194,340,661	38,514,334	8,070,280	15,383,611	28,895,066	90,863,291
Less: Other Operating Revenues	3,898,165	450,901	176,436	143,729	723,544	1,494,610
Revenue Required from Rates	190,442,496	38,063,433	7,893,844	15,239,882	28,171,522	89,368,681
Projected Rate of Return Before Increase	5.347%					2.498%
Projected Billing Units						
Kwh	2,102,279,600	763,404,470	763,404,470	763,404,470		
Kw Demand	3,497,016					
Bills	1,160,940				962,028	
Unit Cost of Service						
\$ per Kwh		0.050	0.010	0.020		
\$ per Kw Demand						
\$ per Customer Per Month					29.28	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

75.5951%
7.513%

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	Total North Dakota	Demand Prod. & Trans.	Small General Rate 20 Demand Distribution	Energy	Customer	Total Small General Rate 20
Rate Base	612,177,981	18,412,178	4,827,974	84,269	15,855,610	39,180,031
Operating Income for Proposed Return	45,992,932	1,383,307	362,726	6,331	1,191,232	2,943,596
Current Operating Income	32,733,915	(1,917,677)	(456,581)	3,729,889	289,540	1,645,171
Increase in Operating Income	13,259,017	3,300,984	819,307	(3,723,558)	901,692	1,298,425
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	1,065,680	264,503	(1,202,103)	291,100	419,180
Total Increase in Revenue	17,539,519	4,366,664	1,083,810	(4,925,661)	1,192,792	1,717,605
Total Revenue Before Increase	176,801,142	51,729	24,224	6,742,633	3,399,917	10,218,503
Total Cost of Service Required from Rates	194,340,661	4,418,393	1,108,034	1,816,972	4,592,709	11,936,108
Less: Other Operating Revenues	3,898,165	51,729	24,224	0	109,588	185,541
Revenue Required from Rates	190,442,496	4,366,664	1,083,810	1,816,972	4,483,121	11,750,567
Projected Rate of Return Before Increase	5.347%					4.199%
Projected Billing Units						
Kwh	2,102,279,600	90,166,359	90,166,359	90,166,359		
Kw Demand	3,497,016					
Bills	1,160,940				128,160	
Unit Cost of Service						
\$ per Kwh		0.048	0.012	0.020		
\$ per Kw Demand						
\$ per Customer Per Month					34.98	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Irrigation Rate 25				Total Irrigation Rate 25
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	259,275	436,659	1,474	125,401	822,809
Operating Income for Proposed Return	45,992,932	19,479	32,806	111	9,421	61,817
Current Operating Income	32,733,915	(27,003)	(17,148)	7,253	3,485	(33,413)
Increase in Operating Income	13,259,017	46,482	49,954	(7,142)	5,936	95,230
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	15,006	16,127	(2,306)	1,916	30,743
Total Increase in Revenue	17,539,519	61,488	66,081	(9,448)	7,852	125,973
Total Revenue Before Increase	176,801,142	730	34,133	41,232	27,637	103,732
Total Cost of Service Required from Rates	194,340,661	62,218	100,214	31,784	35,489	229,705
Less: Other Operating Revenues	3,898,165	730	2,190	0	809	3,729
Revenue Required from Rates	190,442,496	61,488	98,024	31,784	34,680	225,976
Projected Rate of Return Before Increase	5.347%					(4.061%)
Projected Billing Units						
Kwh	2,102,279,600			1,577,312		
Kw Demand	3,497,016	10,040	10,040			
Bills	1,160,940				588	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		6.12	9.76			
\$ per Customer Per Month					58.98	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Large General Primary Rate 30				Total LG Primary Rate 30
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	38,159,157	10,116,683	209,694	176,453	48,661,987
Operating Income for Proposed Return	45,992,932	2,866,897	760,066	15,754	13,257	3,655,974
Current Operating Income	32,733,915	(3,974,377)	3,903,285	2,749,448	13,969	2,692,325
Increase in Operating Income	13,259,017	6,841,274	(3,143,219)	(2,733,694)	(712)	963,649
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	2,208,617	(1,014,748)	(882,538)	(230)	311,101
Total Increase in Revenue	17,539,519	9,049,891	(4,157,967)	(3,616,232)	(942)	1,274,750
Total Revenue Before Increase	176,801,142	107,205	6,428,062	8,137,573	50,542	14,723,382
Total Cost of Service Required from Rates	194,340,661	9,157,096	2,270,095	4,521,341	49,600	15,998,132
Less: Other Operating Revenues	3,898,165	107,205	49,978	0	2,542	159,725
Revenue Required from Rates	190,442,496	9,049,891	2,220,117	4,521,341	47,058	15,838,407
Projected Rate of Return Before Increase	5.347%					5.533%
Projected Billing Units						
Kwh	2,102,279,600			226,484,074		
Kw Demand	3,497,016	507,096	507,096			
Bills	1,160,940				480	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		17.85	4.38			
\$ per Customer Per Month					98.04	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Large General Secondary Rate 30				Total LG Secondary Rate 30
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	129,945,645	24,137,545	675,473	11,484,153	166,242,816
Operating Income for Proposed Return	45,992,932	9,762,816	1,813,454	50,748	862,804	12,489,822
Current Operating Income	32,733,915	(13,534,185)	16,213,955	14,020,467	669,122	17,369,359
Increase in Operating Income	13,259,017	23,297,001	(14,400,501)	(13,969,719)	193,682	(4,879,537)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	7,521,135	(4,649,015)	(4,509,943)	62,528	(1,575,295)
Total Increase in Revenue	17,539,519	30,818,136	(19,049,516)	(18,479,662)	256,210	(6,454,832)
Total Revenue Before Increase	176,801,142	365,071	24,589,142	33,043,955	3,154,588	61,152,756
Total Cost of Service Required from Rates	194,340,661	31,183,207	5,539,626	14,564,293	3,410,798	54,697,924
Less: Other Operating Revenues	3,898,165	365,071	121,109	0	85,597	571,777
Revenue Required from Rates	190,442,496	30,818,136	5,418,517	14,564,293	3,325,201	54,126,147
Projected Rate of Return Before Increase	5.347%					10.448%
Projected Billing Units						
Kwh	2,102,279,600			722,746,179		
Kw Demand	3,497,016	2,202,914	2,202,914			
Bills	1,160,940				54,792	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		13.99	2.46			
\$ per Customer Per Month					60.69	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	TOD Large General Rate 31 Primary					Total TOD LG Primary Rate 31
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	417,480	55,552	2,294	5,012	480,338
Operating Income for Proposed Return	45,992,932	31,365	4,174	172	377	36,088
Current Operating Income	32,733,915	(43,482)	46,080	30,248	137	32,983
Increase in Operating Income	13,259,017	74,847	(41,906)	(30,076)	240	3,105
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	24,163	(13,529)	(9,710)	77	1,001
Total Increase in Revenue	17,539,519	99,010	(55,435)	(39,786)	317	4,106
Total Revenue Before Increase	176,801,142	1,172	67,900	89,254	1,235	159,561
Total Cost of Service Required from Rates	194,340,661	100,182	12,465	49,468	1,552	163,667
Less: Other Operating Revenues	3,898,165	1,172	275	0	71	1,518
Revenue Required from Rates	190,442,496	99,010	12,190	49,468	1,481	162,149
Projected Rate of Return Before Increase	5.347%					6.867%
Projected Billing Units						
Kwh	2,102,279,600			2,478,000		
Kw Demand	3,497,016	4,870	4,870			
Bills	1,160,940				12	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		20.33	2.50			
\$ per Customer Per Month					123.42	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	TOD Large General Rate 31 Secondary				Total TOD LG Secondary Rate 31
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	2,490,601	462,653	12,947	136,089	3,102,290
Operating Income for Proposed Return	45,992,932	187,119	34,759	973	10,224	233,075
Current Operating Income	32,733,915	(259,405)	330,832	268,817	11,225	351,469
Increase in Operating Income	13,259,017	446,524	(296,073)	(267,844)	(1,001)	(118,394)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	144,154	(95,583)	(86,470)	(323)	(38,222)
Total Increase in Revenue	17,539,519	590,678	(391,656)	(354,314)	(1,324)	(156,616)
Total Revenue Before Increase	176,801,142	6,996	497,836	633,477	45,926	1,184,235
Total Cost of Service Required from Rates	194,340,661	597,674	106,180	279,163	44,602	1,027,619
Less: Other Operating Revenues	3,898,165	6,996	2,322	0	998	10,316
Revenue Required from Rates	190,442,496	590,678	103,858	279,163	43,604	1,017,303
Projected Rate of Return Before Increase	5.347%					11.329%
Projected Billing Units						
Kwh	2,102,279,600			13,853,295		
Kw Demand	3,497,016	38,840	38,840			
Bills	1,160,940				624	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		15.21	2.67			
\$ per Customer Per Month					69.88	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Demand Prod. & Trans.	Space Heating Rate 32 Demand Distribution	Energy	Customer	Total Space Heating Rate 32
Rate Base	612,177,981	7,953,631	3,269,726	53,484	239,617	11,516,458
Operating Income for Proposed Return	45,992,932	597,556	245,655	4,018	18,002	865,231
Current Operating Income	32,733,915	(828,394)	286,294	1,149,513	3,722	611,135
Increase in Operating Income	13,259,017	1,425,950	(40,639)	(1,145,495)	14,280	254,096
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	460,350	(13,120)	(369,808)	4,610	82,032
Total Increase in Revenue	17,539,519	1,886,300	(53,759)	(1,515,303)	18,890	336,128
Total Revenue Before Increase	176,801,142	22,346	804,171	2,668,509	155,103	3,650,129
Total Cost of Service Required from Rates	194,340,661	1,908,646	750,412	1,153,206	173,993	3,986,257
Less: Other Operating Revenues	3,898,165	22,346	16,406	0	3,147	41,899
Revenue Required from Rates	190,442,496	1,886,300	734,006	1,153,206	170,846	3,944,358
Projected Rate of Return Before Increase	5.347%					5.307%
Projected Billing Units						
Kwh	2,102,279,600			57,227,301		
Kw Demand	3,497,016	270,438	270,438			
Bills	1,160,940				7,236	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		6.97	2.71			
\$ per Customer Per Month					23.61	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Small Municipal Rate 40 Energy	Customer	Total Sm Municipal Rate 40
Rate Base	612,177,981	611,128	278,749	3,057	455,014	1,347,948
Operating Income for Proposed Return	45,992,932	45,914	20,942	230	34,185	101,271
Current Operating Income	32,733,915	(63,650)	8,855	63,311	3,652	12,167
Increase in Operating Income	13,259,017	109,564	12,087	(63,081)	30,533	89,104
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	35,371	3,902	(20,365)	9,857	28,764
Total Increase in Revenue	17,539,519	144,935	15,989	(83,446)	40,390	117,868
Total Revenue Before Increase	176,801,142	1,717	47,985	149,358	88,393	287,453
Total Cost of Service Required from Rates	194,340,661	146,652	63,974	65,912	128,783	405,321
Less: Other Operating Revenues	3,898,165	1,717	1,398	0	3,085	6,200
Revenue Required from Rates	190,442,496	144,935	62,576	65,912	125,698	399,121
Projected Rate of Return Before Increase	5.347%					0.903%
Projected Billing Units						
Kwh	2,102,279,600			3,270,836		
Kw Demand	3,497,016	7,221	7,221			
Bills	1,160,940				3,252	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		20.07	8.67			
\$ per Customer Per Month					38.65	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Municipal Lighting Primary Rate 41				Total Mun Lighting Pri Rate 41
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	73,136	50,595	1,087	43,298	168,116
Operating Income for Proposed Return	45,992,932	5,495	3,801	82	3,253	12,631
Current Operating Income	32,733,915	(7,617)	(4,593)	43,160	(6,044)	24,907
Increase in Operating Income	13,259,017	13,112	8,394	(43,078)	9,297	(12,276)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	4,233	2,710	(13,907)	3,001	(3,962)
Total Increase in Revenue	17,539,519	17,345	11,104	(56,985)	12,298	(16,238)
Total Revenue Before Increase	176,801,142	206	250	80,434	308	81,198
Total Cost of Service Required from Rates	194,340,661	17,551	11,354	23,449	12,606	64,960
Less: Other Operating Revenues	3,898,165	206	250	0	308	764
Revenue Required from Rates	190,442,496	17,345	11,104	23,449	12,298	64,196
Projected Rate of Return Before Increase	5.347%					14.815%
Projected Billing Units						
Kwh	2,102,279,600	1,174,555	1,174,555	1,174,555		
Kw Demand	3,497,016					
Bills	1,160,940					
Unit Cost of Service						
\$ per Kwh		0.015	0.009	0.020		
\$ per Kw Demand						
\$ per Customer Per Month						

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total Mun Lighting Sec Rate 41
Municipal Lighting Secondary Rate 41						
Rate Base	612,177,981	684,416	530,295	11,340	5,180,201	6,406,252
Operating Income for Proposed Return	45,992,932	51,420	39,841	852	389,189	481,302
Current Operating Income	32,733,915	(71,284)	(50,151)	496,218	242,017	616,800
Increase in Operating Income	13,259,017	122,704	89,992	(495,366)	147,172	(135,498)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	39,613	29,053	(159,923)	47,513	(43,744)
Total Increase in Revenue	17,539,519	162,317	119,045	(655,289)	194,685	(179,242)
Total Revenue Before Increase	176,801,142	1,922	2,660	899,801	927,156	1,831,539
Total Cost of Service Required from Rates	194,340,661	164,239	121,705	244,512	1,121,841	1,652,297
Less: Other Operating Revenues	3,898,165	1,922	2,660	0	927,156	931,738
Revenue Required from Rates	190,442,496	162,317	119,045	244,512	194,685	720,559
Projected Rate of Return Before Increase	5.347%					9.628%
Projected Billing Units						
Kwh	2,102,279,600	12,133,777	12,133,777	12,133,777		
Kw Demand	3,497,016					
Bills	1,160,940					
Unit Cost of Service						
\$ per Kwh		0.013	0.010	0.020		
\$ per Kw Demand						
\$ per Customer Per Month						

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	3,614,654	917,374	21,777	28,185	4,581,990
Operating Income for Proposed Return	45,992,932	271,569	68,922	1,636	2,118	344,245
Current Operating Income	32,733,915	(376,476)	186,475	321,805	(103)	131,702
Increase in Operating Income	13,259,017	648,045	(117,553)	(320,169)	2,221	212,543
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	209,213	(37,950)	(103,362)	717	68,619
Total Increase in Revenue	17,539,519	857,258	(155,503)	(423,531)	2,938	281,162
Total Revenue Before Increase	176,801,142	10,154	361,355	893,077	4,752	1,269,338
Total Cost of Service Required from Rates	194,340,661	867,412	205,852	469,546	7,690	1,550,500
Less: Other Operating Revenues	3,898,165	10,154	4,533	0	432	15,119
Revenue Required from Rates	190,442,496	857,258	201,319	469,546	7,258	1,535,381
Projected Rate of Return Before Increase	5.347%					2.874%
Projected Billing Units						
Kwh	2,102,279,600			23,520,600		
Kw Demand	3,497,016	50,995	50,995			
Bills	1,160,940				60	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		16.81	3.95			
\$ per Customer Per Month					120.97	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Municipal Pumping Secondary Rate 48				Total Mun Pumping Sec Rate 48
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	3,248,887	710,038	20,884	779,634	4,759,443
Operating Income for Proposed Return	45,992,932	244,089	53,345	1,569	58,574	357,577
Current Operating Income	32,733,915	(338,380)	373,290	333,164	9,346	377,419
Increase in Operating Income	13,259,017	582,469	(319,945)	(331,595)	49,228	(19,842)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	188,043	(103,290)	(107,051)	15,893	(6,406)
Total Increase in Revenue	17,539,519	770,512	(423,235)	(438,646)	65,121	(26,248)
Total Revenue Before Increase	176,801,142	9,128	586,190	888,946	158,000	1,642,264
Total Cost of Service Required from Rates	194,340,661	779,640	162,955	450,300	223,121	1,616,016
Less: Other Operating Revenues	3,898,165	9,128	3,564	0	5,442	18,134
Revenue Required from Rates	190,442,496	770,512	159,391	450,300	217,679	1,597,882
Projected Rate of Return Before Increase	5.347%					7.930%
Projected Billing Units						
Kwh	2,102,279,600			22,345,983		
Kw Demand	3,497,016	83,685	83,685			
Bills	1,160,940				3,636	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		9.21	1.90			
\$ per Customer Per Month					59.87	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Demand Prod. & Trans.	Outdoor Lighting Rate 52 Demand Distribution	Energy	Customer	Total Outdoor Lighting Rate 52
Rate Base	612,177,981	364,916	304,846	3,731	2,106,867	2,780,360
Operating Income for Proposed Return	45,992,932	27,416	22,903	280	158,289	208,888
Current Operating Income	32,733,915	(38,007)	(28,821)	213,857	64,265	211,294
Increase in Operating Income	13,259,017	65,423	51,724	(213,577)	94,024	(2,406)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	21,121	16,698	(68,951)	30,354	(778)
Total Increase in Revenue	17,539,519	86,544	68,422	(282,528)	124,378	(3,184)
Total Revenue Before Increase	176,801,142	1,026	1,529	362,968	369,165	734,688
Total Cost of Service Required from Rates	194,340,661	87,570	69,951	80,440	493,543	731,504
Less: Other Operating Revenues	3,898,165	1,026	1,529	0	369,165	371,720
Revenue Required from Rates	190,442,496	86,544	68,422	80,440	124,378	359,784
Projected Rate of Return Before Increase	5.347%					7.600%
Projected Billing Units						
Kwh	2,102,279,600	3,992,165	3,992,165	3,992,165		
Kw Demand	3,497,016					
Bills	1,160,940					
Unit Cost of Service						
\$ per Kwh		0.022	0.017	0.020		
\$ per Kw Demand						
\$ per Customer Per Month						

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Interruptible Demand Response Rate 38				Total IT Demand Response Rate 38
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	3,543,377	1,540,416	29,530	19,711	5,133,035
Operating Income for Proposed Return	45,992,932	266,214	115,731	2,219	1,481	385,645
Current Operating Income	32,733,915	(369,051)	612,495	350,510	2,855	596,809
Increase in Operating Income	13,259,017	635,265	(496,764)	(348,291)	(1,374)	(211,164)
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	205,087	(160,374)	(112,441)	(444)	(68,172)
Total Increase in Revenue	17,539,519	840,352	(657,138)	(460,732)	(1,818)	(279,336)
Total Revenue Before Increase	176,801,142	9,955	1,002,793	1,097,443	7,424	2,117,615
Total Cost of Service Required from Rates	194,340,661	850,307	345,655	636,711	5,606	1,838,279
Less: Other Operating Revenues	3,898,165	9,955	7,609	0	284	17,848
Revenue Required from Rates	190,442,496	840,352	338,046	636,711	5,322	1,820,431
Projected Rate of Return Before Increase	5.347%					11.627%
Projected Billing Units						
Kwh	2,102,279,600			31,986,100		
Kw Demand	3,497,016	104,175	104,175			
Bills	1,160,940				48	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		8.07	3.24			
\$ per Customer Per Month					110.88	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total Contract - Tesoro
Rate Base	612,177,981	13,574,838	2,181,953	90,605	10,728	15,858,124
Operating Income for Proposed Return	45,992,932	1,019,878	163,930	6,807	806	1,191,421
Current Operating Income	32,733,915	(1,413,857)	668,231	1,347,466	(370)	601,468
Increase in Operating Income	13,259,017	2,433,735	(504,301)	(1,340,659)	1,176	589,953
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	785,700	(162,807)	(432,814)	380	190,457
Total Increase in Revenue	17,539,519	3,219,435	(667,108)	(1,773,473)	1,556	780,410
Total Revenue Before Increase	176,801,142	38,135	1,156,715	3,727,070	1,363	4,923,283
Total Cost of Service Required from Rates	194,340,661	3,257,570	489,607	1,953,597	2,919	5,703,693
Less: Other Operating Revenues	3,898,165	38,135	10,779	0	163	49,077
Revenue Required from Rates	190,442,496	3,219,435	478,828	1,953,597	2,756	5,654,616
Projected Rate of Return Before Increase	5.347%					3.793%
Projected Billing Units						
Kwh	2,102,279,600			98,750,754		
Kw Demand	3,497,016	161,517	161,517			
Bills	1,160,940				12	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		19.93	2.96			
\$ per Customer Per Month					229.67	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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	Total North Dakota	Contract - Sabin				Total Contract - Sabin
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base	612,177,981	4,463,205	1,183,205	24,928	4,911	5,676,249
Operating Income for Proposed Return	45,992,932	335,321	88,894	1,873	369	426,457
Current Operating Income	32,733,915	(464,854)	193,639	381,356	283	110,423
Increase in Operating Income	13,259,017	800,175	(104,745)	(379,483)	86	316,034
Related Taxes for Increase						
State & Federal Income Taxes	4,280,502	258,326	(33,816)	(122,511)	28	102,026
Total Increase in Revenue	17,539,519	1,058,501	(138,561)	(501,994)	114	418,060
Total Revenue Before Increase	176,801,142	12,538	404,061	1,039,459	1,270	1,457,328
Total Cost of Service Required from Rates	194,340,661	1,071,039	265,500	537,465	1,384	1,875,388
Less: Other Operating Revenues	3,898,165	12,538	5,842	0	70	18,450
Revenue Required from Rates	190,442,496	1,058,501	259,658	537,465	1,314	1,856,938
Projected Rate of Return Before Increase	5.347%					1.945%
Projected Billing Units						
Kwh	2,102,279,600			27,167,840		
Kw Demand	3,497,016	55,225	55,225			
Bills	1,160,940				12	
Unit Cost of Service						
\$ per Kwh				0.020		
\$ per Kw Demand		19.17	4.70			
\$ per Customer Per Month					109.50	

Operating Income/Inverse of Federal income tax rate:
Operating Income for Proposed Return:

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Rate Base

Allocation Factor	Total North Dakota	Residential Rate 10				Total Residential Rate 10
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Electric Plant in Service						
Production Plant						
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		372,523,090	153,969,753	0	0	153,969,753
Transmission Plant	2	235,301,764	97,253,984	0	0	97,253,984
Distribution Plant						
Land & Rights of Way	4	3,007,365	0	1,182,101	0	1,182,101
Station Equipment	4	72,632,242	0	28,549,460	0	28,549,460
Poles, OH & UG Conductors & Conduit						
Customer Related 83%	7	128,514,594	0	0	107,382,163	107,382,163
Demand Related 17%	4	25,579,643	0	10,054,557	0	10,054,557
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	18,548,454	18,548,454
Demand Related 36%	5	19,766,511	0	9,912,555	0	9,912,555
Services	10	27,193,804	0	0	21,638,049	21,638,049
Meters	8	12,509,383	0	0	7,379,147	7,379,147
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	49,698,673	154,947,813	204,646,486
General, Common & Intangible Plant	13	95,060,753	25,434,454	5,031,605	15,687,265	46,153,324
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	6,565,174	6,565,174
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	25,434,454	5,031,605	22,252,439	52,718,498
Acquisition Adjustment	29	7,381,702	3,050,976	0	0	3,050,976
Total Electric Plant in Service		1,049,258,731	279,709,167	54,730,278	177,200,252	511,639,697

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Allocation Factor	Total North Dakota	Residential Rate 10				Total Residential Rate 10
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	57,660,395	0	0	57,660,395
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	57,660,395	0	0	57,660,395
Transmission Plant	2	61,384,598	25,371,237	0	0	25,371,237
Distribution Plant						
Rights of Way	4	143,560	0	56,429	0	56,429
Station Equipment	4	16,362,608	0	6,431,629	0	6,431,629
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	3,007,028	32,114,908	35,121,936
Line Transformers	19	20,292,634	0	3,649,256	0	10,477,773
Services	10	15,950,026	0	0	12,691,400	12,691,400
Meters	8	4,667,223	0	0	2,753,143	2,753,143
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	13,144,342	54,387,968	67,532,310
General, Common & Intangible Plant	13	35,694,527	9,550,427	1,889,326	5,890,438	17,330,191
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	4,308,383	4,308,383
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	9,550,427	1,889,326	10,198,821	21,638,574
Acquisition Adjustment	29	7,381,181	3,050,760	0	0	3,050,760
Amort. - Power Plant Decommissioning	2	309,542	127,939	0	0	127,939
Less: Total Accumulated Reserve for Depreciation		353,029,026	95,760,758	15,033,668	64,586,789	175,381,215
Net Electric Plant in Service		696,229,705	183,948,409	39,696,610	112,613,463	336,258,482
Additions						
Materials & Supplies	13	13,868,468	3,710,647	734,064	2,288,624	6,733,335
Prepayments	26	1,105,632	294,737	57,671	186,721	539,129
Fuel Stocks	1	1,960,046	0	0	713,472	713,472
Unamortized Loss on Debt	26	838,282	223,467	43,726	141,570	408,763
Gain/(Loss) on Sale of Building	13	875,617	234,280	46,347	144,497	425,124
Unamortized Redemption of Preferred Stock	26	207,687	55,365	10,833	35,074	101,272
Provision for Pension & Benefits	23	15,608,892	3,725,257	767,833	3,490,310	7,983,400
Provision for Post Retirement	23	3,678,752	877,980	180,965	822,607	1,881,552
Total Additions		38,143,376	9,121,733	1,841,439	7,109,403	18,786,047
Total Before Deductions		734,373,081	193,070,142	41,538,049	713,472	355,044,529

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		Residential Rate 10				Total Residential	
	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Rate 10
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	32,188,540	6,298,284	0	20,391,956	58,878,780
Customer Advances For Construction	26	1,447,877	385,972	75,523	0	244,519	706,014
Total Deductions		122,195,100	32,574,512	6,373,807	0	20,636,475	59,584,794
Total Rate Base		612,177,981	160,495,630	35,164,242	713,472	99,086,391	295,459,735
Rate of Return - Per Books		5.347%					2.498%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	56,308,160	13,461,368	69,769,528
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	0	56,308,160	13,461,368	69,769,528

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	Allocation Factor	Total North Dakota	Residential Rate 10				Total Residential Rate 10
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	38,203	38,203
NSF Check Fees	7	34,041	0	0	0	28,444	28,444
Other Miscellaneous Service Revenue	27	9,294	2,455	530	0	1,503	4,488
Rent from Electric Property							
Facilities Rental	27	1,250,571	330,410	71,303	0	202,277	603,990
Pole Attachments	15	77,937	0	5,085	0	54,311	59,396
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	7,293	0	0	0	7,293
Miscellaneous	27	17,621	4,656	1,005	0	2,850	8,511
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	143,729	34,361	178,090
2-Year Average KVAR Penalty	14	584,936	0	87,795	0	273,722	361,517
Sales of Construction & Sundry Junk Material	14	43,398	0	6,514	0	20,308	26,822
Patronage Dividends	23	15,145	3,615	745	0	3,387	7,747
Joint Use Agreements	8	82,144	0	0	0	48,456	48,456
Big Stone Miscellaneous	29	207,328	85,692	0	0	0	85,692
Miscellaneous	23	70,310	16,780	3,459	0	15,722	35,961
Total Other Revenues		3,898,165	450,901	176,436	143,729	723,544	1,494,610
Total Operating Revenues		176,801,142	450,901	176,436	56,451,889	14,184,912	71,264,138

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Residential Rate 10 Energy	Customer	Total Residential Rate 10
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	6,638,043	0	6,638,043
Purchased Power - Energy	1	23,830,979	0	0	8,674,661	0	8,674,661
Purchased Power - Capacity	2	3,747,271	1,548,807	0	0	0	1,548,807
Other Production	2	13,324,439	5,507,204	0	0	0	5,507,204
Total Production Expense		59,138,683	7,056,011	0	15,312,704	0	22,368,715
Transmission Expense							
	2	6,495,412	2,684,658	0	0	0	2,684,658
Distribution Expense							
	14	11,249,462	0	1,688,468	0	5,264,213	6,952,681
Customer Accounts Expense	12	2,895,512	0	0	0	2,135,943	2,135,943
Customer Service & Info. Expense	12	256,354	0	0	0	189,106	189,106
Sales Expense	7	102,864	0	0	0	85,950	85,950
Administrative & General Expenses	24	21,440,879	5,117,134	1,054,720	0	4,794,403	10,966,257
Total Electric O&M Expenses		101,579,166	14,857,803	2,743,188	15,312,704	12,469,615	45,383,310
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	1,548,807	0	15,312,704	0	16,861,511
Other O&M Expenses		55,764,922	13,308,996	2,743,188	0	12,469,615	28,521,799
Total Operation & Maintenance Expenses		101,579,166	14,857,803	2,743,188	15,312,704	12,469,615	45,383,310
Depreciation Expense							
Production Plant	2	9,835,190	4,065,041	0	0	0	4,065,041
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	4,065,041	0	0	0	4,065,041
Transmission Plant	2	3,929,539	1,624,141	0	0	0	1,624,141
Distribution Plant							
Rights of Way	4	7,440	0	2,924	0	0	2,924
Station Equipment	4	2,351,115	0	924,150	0	0	924,150
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	325,474	0	3,476,042	3,801,516
Line Transformers	19	1,784,594	0	320,926	0	600,520	921,446
Services	10	880,074	0	0	0	700,273	700,273
Meters	8	404,962	0	0	0	238,883	238,883
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	1,573,474	0	5,015,718	6,589,192
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	1,203,200	238,025	0	742,100	2,183,325
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	542,377	542,377
Total Plant		5,147,330	1,203,200	238,025	0	1,284,477	2,725,702

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	Allocation Factor	Total North Dakota	Residential Rate 10				Total Residential Rate 10
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	267,657	0	0	0	267,657
Amort. Of Preferred Stock Redemption	26	20,943	5,584	1,092	0	3,537	10,213
Total Depreciation Expense		30,209,497	7,165,623	1,812,591	0	6,303,732	15,281,946
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	970,163	0	0	0	970,163
Transmission Plant	30	1,221,216	504,748	0	0	0	504,748
Distribution Plant	14	1,519,173	0	228,018	0	710,901	938,919
General, Common & Intangible Plant	13	529,439	141,657	28,023	0	87,370	257,050
Total Ad Valorem Taxes		5,617,096	1,616,568	256,041	0	798,271	2,670,880
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	415,111	85,561	0	388,930	889,602
Total Taxes Other Than Income Taxes		7,356,417	2,031,679	341,602	0	1,187,201	3,560,482
Total Operating Expense		139,145,080	24,055,105	4,897,381	15,312,704	19,960,548	64,225,738
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	3,616,809	780,518	0	2,214,215	6,611,542
Taxable Income		23,966,736	(27,221,013)	(5,501,463)	41,139,185	(7,989,851)	426,858
Less: State Income Tax	44	1,032,966	(1,173,225)	(237,113)	1,773,098	(344,362)	18,398
Federal Taxable Income		22,933,770	(26,047,788)	(5,264,350)	39,366,087	(7,645,489)	408,460
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(5,470,035)	(1,105,514)	8,266,878	(1,605,553)	85,776
State Income Taxes	44	1,032,966	(1,173,225)	(237,113)	1,773,098	(344,362)	18,398
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(244,896)	(52,849)	0	(149,926)	(447,671)
Federal and State Income Taxes		4,922,147	(6,888,156)	(1,395,476)	10,039,976	(2,099,841)	(343,497)
Total Operating Expenses		144,067,227	17,166,949	3,501,905	25,352,680	17,860,707	63,882,241
Total Operating Income		32,733,915	(16,716,048)	(3,325,469)	31,099,209	(3,675,795)	7,381,897

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Rate Base

Allocation Factor	Total North Dakota	Small General Rate 20				Total Small General Rate 20
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Electric Plant in Service						
Production Plant						
Wind Production Plant	2	372,523,090	17,663,525	0	0	17,663,525
Total Production Plant	3	0	0	0	0	0
Transmission Plant	2	372,523,090	17,663,525	0	0	17,663,525
Distribution Plant						
Land & Rights of Way	4	235,301,764	11,157,050	0	0	11,157,050
Station Equipment	4	3,007,365	0	162,300	0	162,300
Poles, OH & UG Conductors & Conduit	4	72,632,242	0	3,919,780	0	3,919,780
Customer Related 83%	7	128,514,594	0	0	13,884,144	13,884,144
Demand Related 17%	4	25,579,643	0	1,380,469	0	1,380,469
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	6,834,981	6,834,981
Demand Related 36%	5	19,766,511	0	1,360,973	0	1,360,973
Services	10	27,193,804	0	0	2,679,030	2,679,030
Meters	8	12,509,383	0	0	1,588,828	1,588,828
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	6,823,522	24,986,983	31,810,505
General, Common & Intangible Plant	13	95,060,753	2,917,859	690,828	2,529,739	6,138,426
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	848,854	848,854
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	2,917,859	690,828	3,378,593	6,987,280
Acquisition Adjustment	29	7,381,702	350,010	0	0	350,010
Total Electric Plant in Service		1,049,258,731	32,088,444	7,514,350	28,365,576	67,968,370

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	Allocation Factor	Total North Dakota	Small General Rate 20				Total Small General Rate 20
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	6,614,844	0	0	0	6,614,844
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	6,614,844	0	0	0	6,614,844
Transmission Plant	2	61,384,598	2,910,607	0	0	0	2,910,607
Distribution Plant							
Rights of Way	4	143,560	0	7,748	0	0	7,748
Station Equipment	4	16,362,608	0	883,049	0	0	883,049
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	412,858	0	4,152,347	4,565,205
Line Transformers	19	20,292,634	0	501,035	0	2,516,263	3,017,298
Services	10	15,950,026	0	0	0	1,571,336	1,571,336
Meters	8	4,667,223	0	0	0	592,788	592,788
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	1,804,690	0	8,832,734	10,637,424
General, Common & Intangible Plant	13	35,694,527	1,095,632	259,400	0	949,896	2,304,928
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	557,059	557,059
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	1,095,632	259,400	0	1,506,955	2,861,987
Acquisition Adjustment	29	7,381,181	349,985	0	0	0	349,985
Amort. - Power Plant Decommissioning	2	309,542	14,677	0	0	0	14,677
Less: Total Accumulated Reserve for Depreciation		353,029,026	10,985,745	2,064,090	0	10,339,689	23,389,524
Net Electric Plant in Service		696,229,705	21,102,699	5,450,260	0	18,025,887	44,578,846
Additions							
Materials & Supplies	13	13,868,468	425,688	100,785	0	369,065	895,538
Prepayments	26	1,105,632	33,812	7,918	0	29,890	71,620
Fuel Stocks	1	1,960,046	0	0	84,269	0	84,269
Unamortized Loss on Debt	26	838,282	25,636	6,003	0	22,662	54,301
Gain/(Loss) on Sale of Building	13	875,617	26,877	6,363	0	23,302	56,542
Unamortized Redemption of Preferred Stock	26	207,687	6,351	1,487	0	5,615	13,453
Provision for Pension & Benefits	23	15,608,892	427,365	105,422	0	552,409	1,085,196
Provision for Post Retirement	23	3,678,752	100,723	24,846	0	130,193	255,762
Total Additions		38,143,376	1,046,452	252,824	84,269	1,133,136	2,516,681
Total Before Deductions		734,373,081	22,149,151	5,703,084	84,269	19,159,023	47,095,527

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	Allocation Factor	Total North Dakota	Small General Rate 20				Total Small General Rate 20
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	3,692,694	864,741	0	3,264,271	7,821,706
Customer Advances For Construction	26	1,447,877	44,279	10,369	0	39,142	93,790
Total Deductions		122,195,100	3,736,973	875,110	0	3,303,413	7,915,496
Total Rate Base		612,177,981	18,412,178	4,827,974	84,269	15,855,610	39,180,031
Rate of Return - Per Books		5.347%					4.20%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	6,742,633	3,290,329	10,032,962
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	0	6,742,633	3,290,329	10,032,962

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	Allocation Factor	Total North Dakota	Small General Rate 20				Total Small General Rate 20
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	4,940	4,940
NSF Check Fees	7	34,041	0	0	0	3,678	3,678
Other Miscellaneous Service Revenue	27	9,294	281	73	0	241	595
Rent from Electric Property							
Facilities Rental	27	1,250,571	37,906	9,790	0	32,378	80,074
Pole Attachments	15	77,937	0	698	0	7,022	7,720
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	837	0	0	0	837
Miscellaneous	27	17,621	534	138	0	456	1,128
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	12,054	0	44,141	56,195
Sales of Construction & Sundry Junk Material	14	43,398	0	894	0	3,275	4,169
Patronage Dividends	23	15,145	415	102	0	536	1,053
Joint Use Agreements	8	82,144	0	0	0	10,433	10,433
Big Stone Miscellaneous	29	207,328	9,831	0	0	0	9,831
Miscellaneous	23	70,310	1,925	475	0	2,488	4,888
Total Other Revenues		3,898,165	51,729	24,224	0	109,588	185,541
Total Operating Revenues		176,801,142	51,729	24,224	6,742,633	3,399,917	10,218,503

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total Small General Rate 20
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	784,025	0	784,025
Purchased Power - Energy	1	23,830,979	0	0	1,024,572	0	1,024,572
Purchased Power - Capacity	2	3,747,271	177,680	0	0	0	177,680
Other Production	2	13,324,439	631,791	0	0	0	631,791
Total Production Expense		59,138,683	809,471	0	1,808,597	0	2,618,068
Transmission Expense							
	2	6,495,412	307,986	0	0	0	307,986
Distribution Expense							
	14	11,249,462	0	231,823	0	848,910	1,080,733
Customer Accounts Expense	12	2,895,512	0	0	0	325,875	325,875
Customer Service & Info. Expense	12	256,354	0	0	0	28,851	28,851
Sales Expense	7	102,864	0	0	0	11,114	11,114
Administrative & General Expenses	24	21,440,879	587,042	144,811	0	758,806	1,490,659
Total Electric O&M Expenses		101,579,166	1,704,499	376,634	1,808,597	1,973,556	5,863,286
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	177,680	0	1,808,597	0	1,986,277
Other O&M Expenses		55,764,922	1,526,819	376,634	0	1,973,556	3,877,009
Total Operation & Maintenance Expenses		101,579,166	1,704,499	376,634	1,808,597	1,973,556	5,863,286
Depreciation Expense							
Production Plant	2	9,835,190	466,345	0	0	0	466,345
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	466,345	0	0	0	466,345
Transmission Plant	2	3,929,539	186,323	0	0	0	186,323
Distribution Plant							
Rights of Way	4	7,440	0	402	0	0	402
Station Equipment	4	2,351,115	0	126,884	0	0	126,884
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	44,687	0	449,440	494,127
Line Transformers	19	1,784,594	0	44,063	0	221,288	265,351
Services	10	880,074	0	0	0	86,702	86,702
Meters	8	404,962	0	0	0	51,435	51,435
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	216,036	0	808,865	1,024,901
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	138,032	32,680	0	119,672	290,384
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	70,127	70,127
Total Plant		5,147,330	138,032	32,680	0	189,799	360,511

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total Small General Rate 20
Amort. Of Decomm. Of Power Plants	29	647,584	30,706	0	0	0	30,706
Amort. Of Preferred Stock Redemption	26	20,943	640	150	0	566	1,356
Total Depreciation Expense		30,209,497	822,046	248,866	0	999,230	2,070,142
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	111,298	0	0	0	111,298
Transmission Plant	30	1,221,216	57,905	0	0	0	57,905
Distribution Plant	14	1,519,173	0	31,306	0	114,640	145,946
General, Common & Intangible Plant	13	529,439	16,251	3,848	0	14,089	34,188
Total Ad Valorem Taxes		5,617,096	185,454	35,154	0	128,729	349,337
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	47,622	11,747	0	61,556	120,925
Total Taxes Other Than Income Taxes		7,356,417	233,076	46,901	0	190,285	470,262
Total Operating Expense		139,145,080	2,759,621	672,401	1,808,597	3,163,071	8,403,690
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	414,923	107,163	0	354,427	876,513
Taxable Income		23,966,736	(3,122,815)	(755,340)	4,934,036	(117,581)	938,300
Less: State Income Tax	44	1,032,966	(134,593)	(32,555)	212,657	(5,068)	40,441
Federal Taxable Income		22,933,770	(2,988,222)	(722,785)	4,721,379	(112,513)	897,859
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(627,527)	(151,785)	991,490	(23,628)	188,550
State Income Taxes	44	1,032,966	(134,593)	(32,555)	212,657	(5,068)	40,441
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(28,095)	(7,256)	0	(23,998)	(59,349)
Federal and State Income Taxes		4,922,147	(790,215)	(191,596)	1,204,147	(52,694)	169,642
Total Operating Expenses		144,067,227	1,969,406	480,805	3,012,744	3,110,377	8,573,332
Total Operating Income		32,733,915	(1,917,677)	(456,581)	3,729,889	289,540	1,645,171

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Rate Base

	Allocation Factor	Total North Dakota	Irrigation Rate 25			Total Irrigation Rate 25
			Demand Prod. & Trans.	Demand Distribution	Energy Customer	
Electric Plant in Service						
Production Plant	2	372,523,090	248,734	0	0	248,734
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		372,523,090	248,734	0	0	248,734
Transmission Plant	2	235,301,764	157,111	0	0	157,111
Distribution Plant						
Land & Rights of Way	4	3,007,365	0	14,679	0	14,679
Station Equipment	4	72,632,242	0	354,518	0	354,518
Poles, OH & UG Conductors & Conduit						
Customer Related 83%	7	128,514,594	0	0	45,012	45,012
Demand Related 17%	4	25,579,643	0	124,854	0	124,854
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	132,412	132,412
Demand Related 36%	5	19,766,511	0	123,091	0	123,091
Services	10	27,193,804	0	0	14,874	14,874
Meters	8	12,509,383	0	0	12,635	12,635
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	617,142	204,933	822,075
General, Common & Intangible Plant	13	95,060,753	41,089	62,481	0	124,319
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	2,752	2,752
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	41,089	62,481	0	127,071
Acquisition Adjustment	29	7,381,702	4,929	0	0	4,929
Total Electric Plant in Service		1,049,258,731	451,863	679,623	0	1,359,920

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	Allocation Factor	Total North Dakota	Irrigation Rate 25				Total Irrigation Rate 25
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	93,149	0	0	0	93,149
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	93,149	0	0	0	93,149
Transmission Plant	2	61,384,598	40,986	0	0	0	40,986
Distribution Plant							
Rights of Way	4	143,560	0	701	0	0	701
Station Equipment	4	16,362,608	0	79,866	0	0	79,866
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	37,340	0	13,462	50,802
Line Transformers	19	20,292,634	0	45,315	0	48,747	94,062
Services	10	15,950,026	0	0	0	8,724	8,724
Meters	8	4,667,223	0	0	0	4,714	4,714
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	163,222	0	75,647	238,869
General, Common & Intangible Plant	13	35,694,527	15,429	23,461	0	7,791	46,681
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	1,806	1,806
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	15,429	23,461	0	9,597	48,487
Acquisition Adjustment	29	7,381,181	4,928	0	0	0	4,928
Amort. - Power Plant Decommissioning	2	309,542	207	0	0	0	207
Less: Total Accumulated Reserve for Depreciation		353,029,026	154,699	186,683	0	85,244	426,626
Net Electric Plant in Service		696,229,705	297,164	492,940	0	143,190	933,294
Additions							
Materials & Supplies	13	13,868,468	5,995	9,115	0	3,027	18,137
Prepayments	26	1,105,632	476	716	0	241	1,433
Fuel Stocks	1	1,960,046	0	0	1,474	0	1,474
Unamortized Loss on Debt	26	838,282	361	543	0	183	1,087
Gain/(Loss) on Sale of Building	13	875,617	378	576	0	191	1,145
Unamortized Redemption of Preferred Stock	26	207,687	89	135	0	45	269
Provision for Pension & Benefits	23	15,608,892	6,018	9,535	0	4,149	19,702
Provision for Post Retirement	23	3,678,752	1,418	2,247	0	978	4,643
Total Additions		38,143,376	14,735	22,867	1,474	8,814	47,890
Total Before Deductions		734,373,081	311,899	515,807	1,474	152,004	981,184

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	Allocation Factor	Total North Dakota	Irrigation Rate 25				Total Irrigation Rate 25
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	52,000	78,210	0	26,288	156,498
Customer Advances For Construction	26	1,447,877	624	938	0	315	1,877
Total Deductions		122,195,100	52,624	79,148	0	26,603	158,375
Total Rate Base		612,177,981	259,275	436,659	1,474	125,401	822,809
Rate of Return - Per Books		5.347%					(4.06%)
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	31,943	41,232	26,828	100,003
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	31,943	41,232	26,828	100,003

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	Allocation Factor	Total North Dakota	Irrigation Rate 25				Total Irrigation Rate 25
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	16	16
NSF Check Fees	7	34,041	0	0	0	12	12
Other Miscellaneous Service Revenue	27	9,294	4	7	0	2	13
Rent from Electric Property							
Facilities Rental	27	1,250,571	535	885	0	257	1,677
Pole Attachments	15	77,937	0	63	0	23	86
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	12	0	0	0	12
Miscellaneous	27	17,621	8	12	0	4	24
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	1,090	0	362	1,452
Sales of Construction & Sundry Junk Material	14	43,398	0	81	0	27	108
Patronage Dividends	23	15,145	6	9	0	4	19
Joint Use Agreements	8	82,144	0	0	0	83	83
Big Stone Miscellaneous	29	207,328	138	0	0	0	138
Miscellaneous	23	70,310	27	43	0	19	89
Total Other Revenues		3,898,165	730	2,190	0	809	3,729
Total Operating Revenues		176,801,142	730	34,133	41,232	27,637	103,732

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Irrigation Rate 25 Energy Customer		Total Irrigation Rate 25
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	13,715	0	13,715
Purchased Power - Energy	1	23,830,979	0	0	17,923	0	17,923
Purchased Power - Capacity	2	3,747,271	2,502	0	0	0	2,502
Other Production	2	13,324,439	8,897	0	0	0	8,897
Total Production Expense		59,138,683	11,399	0	31,638	0	43,037
Transmission Expense							
	2	6,495,412	4,337	0	0	0	4,337
Distribution Expense							
	14	11,249,462	0	20,967	0	6,962	27,929
Customer Accounts Expense	12	2,895,512	0	0	0	1,953	1,953
Customer Service & Info. Expense	12	256,354	0	0	0	173	173
Sales Expense	7	102,864	0	0	0	36	36
Administrative & General Expenses	24	21,440,879	8,267	13,097	0	5,699	27,063
Total Electric O&M Expenses		101,579,166	24,003	34,064	31,638	14,823	104,528
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	2,502	0	31,638	0	34,140
Other O&M Expenses		55,764,922	21,501	34,064	0	14,823	70,388
Total Operation & Maintenance Expenses		101,579,166	24,003	34,064	31,638	14,823	104,528
Depreciation Expense							
Production Plant							
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	6,567	0	0	0	6,567
Transmission Plant							
	2	3,929,539	2,624	0	0	0	2,624
Distribution Plant							
Rights of Way	4	7,440	0	36	0	0	36
Station Equipment	4	2,351,115	0	11,476	0	0	11,476
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	4,042	0	1,457	5,499
Line Transformers	19	1,784,594	0	3,985	0	4,287	8,272
Services	10	880,074	0	0	0	481	481
Meters	8	404,962	0	0	0	409	409
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	19,539	0	6,634	26,173
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs							
Common - Intangible - CC&B & PCAD		6	650,395	0	0	227	227
Total Plant		5,147,330	1,944	2,956	0	1,209	6,109

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Irrigation Rate 25				Total Irrigation Rate 25
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	432	0	0	0	432
Amort. Of Preferred Stock Redemption	26	20,943	9	14	0	5	28
Total Depreciation Expense		30,209,497	11,576	22,509	0	7,848	41,933
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	1,567	0	0	0	1,567
Transmission Plant	30	1,221,216	815	0	0	0	815
Distribution Plant	14	1,519,173	0	2,831	0	940	3,771
General, Common & Intangible Plant	13	529,439	229	348	0	116	693
Total Ad Valorem Taxes		5,617,096	2,611	3,179	0	1,056	6,846
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	671	1,062	0	462	2,195
Total Taxes Other Than Income Taxes		7,356,417	3,282	4,241	0	1,518	9,041
Total Operating Expense		139,145,080	38,861	60,814	31,638	24,189	155,502
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	5,843	9,692	0	2,815	18,350
Taxable Income		23,966,736	(43,974)	(36,373)	9,594	633	(70,120)
Less: State Income Tax	44	1,032,966	(1,895)	(1,568)	413	27	(3,023)
Federal Taxable Income		22,933,770	(42,079)	(34,805)	9,181	606	(67,097)
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(8,837)	(7,309)	1,928	127	(14,091)
State Income Taxes	44	1,032,966	(1,895)	(1,568)	413	27	(3,023)
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(396)	(656)	0	(191)	(1,243)
Federal and State Income Taxes		4,922,147	(11,128)	(9,533)	2,341	(37)	(18,357)
Total Operating Expenses		144,067,227	27,733	51,281	33,979	24,152	137,145
Total Operating Income		32,733,915	(27,003)	(17,148)	7,253	3,485	(33,413)

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Large General Primary Rate 30				Total LG Primary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	36,607,576	0	0	0	36,607,576
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	36,607,576	0	0	0	36,607,576
Transmission Plant	2	235,301,764	23,122,935	0	0	0	23,122,935
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	409,859	0	0	409,859
Station Equipment	4	72,632,242	0	9,898,687	0	0	9,898,687
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	49,104	49,104
Demand Related 17%	4	25,579,643	0	3,486,122	0	0	3,486,122
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0	0
Services	10	27,193,804	0	0	0	0	0
Meters	8	12,509,383	0	0	0	235,368	235,368
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	13,794,668	0	284,472	14,079,140
General, Common & Intangible Plant	13	95,060,753	6,047,251	1,396,603	0	28,802	7,472,656
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	3,002	3,002
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	6,047,251	1,396,603	0	31,804	7,475,658
Acquisition Adjustment	29	7,381,702	725,395	0	0	0	725,395
Total Electric Plant in Service		1,049,258,731	66,503,157	15,191,271	0	316,276	82,010,704

**MONTANA-DAKOTA UTILITIES CO.
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Allocation Factor	Total North Dakota	Large General Primary Rate 30				Total LG Primary Rate 30
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	13,709,233	0	0	13,709,233
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	13,709,233	0	0	13,709,233
Transmission Plant	2	61,384,598	6,032,220	0	0	6,032,220
Distribution Plant						
Rights of Way	4	143,560	0	19,565	0	19,565
Station Equipment	4	16,362,608	0	2,229,979	0	2,229,979
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	1,042,598	14,685	1,057,283
Line Transformers	19	20,292,634	0	0	0	0
Services	10	15,950,026	0	0	0	0
Meters	8	4,667,223	0	0	87,815	87,815
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	3,292,142	102,500	3,394,642
General, Common & Intangible Plant	13	35,694,527	2,270,693	524,413	10,815	2,805,921
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	1,970	1,970
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	2,270,693	524,413	12,785	2,807,891
Acquisition Adjustment	29	7,381,181	725,343	0	0	725,343
Amort. - Power Plant Decommissioning	2	309,542	30,418	0	0	30,418
Less: Total Accumulated Reserve for Depreciation		353,029,026	22,767,907	3,816,555	115,285	26,699,747
Net Electric Plant in Service		696,229,705	43,735,250	11,374,716	200,991	55,310,957
Additions						
Materials & Supplies	13	13,868,468	882,237	203,751	4,202	1,090,190
Prepayments	26	1,105,632	70,076	16,007	333	86,416
Fuel Stocks	1	1,960,046	0	0	209,694	209,694
Unamortized Loss on Debt	26	838,282	53,131	12,137	253	65,521
Gain/(Loss) on Sale of Building	13	875,617	55,702	12,864	265	68,831
Unamortized Redemption of Preferred Stock	26	207,687	13,163	3,007	63	16,233
Provision for Pension & Benefits	23	15,608,892	885,710	213,124	5,810	1,104,644
Provision for Post Retirement	23	3,678,752	208,747	50,230	1,369	260,346
Total Additions		38,143,376	2,168,766	511,120	12,295	2,901,875
Total Before Deductions		734,373,081	45,904,016	11,885,836	213,286	58,212,832

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	Allocation Factor	Total North Dakota	Large General Primary Rate 30				Total LG Primary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	7,653,091	1,748,190	0	36,397	9,437,678
Customer Advances For Construction	26	1,447,877	91,768	20,963	0	436	113,167
Total Deductions		122,195,100	7,744,859	1,769,153	0	36,833	9,550,845
Total Rate Base		612,177,981	38,159,157	10,116,683	209,694	176,453	48,661,987
Rate of Return - Per Books		5.347%					5.53%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	6,378,084	8,137,573	48,000	14,563,657
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	6,378,084	8,137,573	48,000	14,563,657

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	Allocation Factor	Total North Dakota	Large General Primary Rate 30				Total LG Primary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	17	17
NSF Check Fees	7	34,041	0	0	0	13	13
Other Miscellaneous Service Revenue	27	9,294	583	152	0	3	738
Rent from Electric Property							
Facilities Rental	27	1,250,571	78,558	20,431	0	361	99,350
Pole Attachments	15	77,937	0	1,763	0	25	1,788
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	1,734	0	0	0	1,734
Miscellaneous	27	17,621	1,107	288	0	5	1,400
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	24,369	0	503	24,872
Sales of Construction & Sundry Junk Material	14	43,398	0	1,808	0	37	1,845
Patronage Dividends	23	15,145	859	207	0	6	1,072
Joint Use Agreements	8	82,144	0	0	0	1,546	1,546
Big Stone Miscellaneous	29	207,328	20,374	0	0	0	20,374
Miscellaneous	23	70,310	3,990	960	0	26	4,976
Total Other Revenues		3,898,165	107,205	49,978	0	2,542	159,725
Total Operating Revenues		176,801,142	107,205	6,428,062	8,137,573	50,542	14,723,382

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Large General Primary Rate 30				Total LG Primary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	1,950,963	0	1,950,963
Purchased Power - Energy	1	23,830,979	0	0	2,549,538	0	2,549,538
Purchased Power - Capacity	2	3,747,271	368,242	0	0	0	368,242
Other Production	2	13,324,439	1,309,383	0	0	0	1,309,383
Total Production Expense		59,138,683	1,677,625	0	4,500,501	0	6,178,126
Transmission Expense	2	6,495,412	638,299	0	0	0	638,299
Distribution Expense	14	11,249,462	0	468,661	0	9,665	478,326
Customer Accounts Expense	12	2,895,512	0	0	0	2,822	2,822
Customer Service & Info. Expense	12	256,354	0	0	0	250	250
Sales Expense	7	102,864	0	0	0	39	39
Administrative & General Expenses	24	21,440,879	1,216,640	292,754	0	7,981	1,517,375
Total Electric O&M Expenses		101,579,166	3,532,564	761,415	4,500,501	20,757	8,815,237
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	368,242	0	4,500,501	0	4,868,743
Other O&M Expenses		55,764,922	3,164,322	761,415	0	20,757	3,946,494
Total Operation & Maintenance Expenses		101,579,166	3,532,564	761,415	4,500,501	20,757	8,815,237
Depreciation Expense							
Production Plant	2	9,835,190	966,497	0	0	0	966,497
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	966,497	0	0	0	966,497
Transmission Plant	2	3,929,539	386,153	0	0	0	386,153
Distribution Plant							
Rights of Way	4	7,440	0	1,014	0	0	1,014
Station Equipment	4	2,351,115	0	320,422	0	0	320,422
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	112,848	0	1,590	114,438
Line Transformers	19	1,784,594	0	0	0	0	0
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	7,619	7,619
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	434,284	0	9,209	443,493
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	286,071	66,068	0	1,362	353,501
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	248	248
Total Plant		5,147,330	286,071	66,068	0	1,610	353,749

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	Allocation Factor	Total North Dakota	Large General Primary Rate 30			Total LG Primary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	63,638	0	0	63,638
Amort. Of Preferred Stock Redemption	26	20,943	1,327	303	0	1,636
Total Depreciation Expense		30,209,497	1,703,686	500,655	0	2,215,166
Taxes Other Than Income						
Ad Valorem Taxes						
Production Plant	29	2,347,268	230,664	0	0	230,664
Transmission Plant	30	1,221,216	120,008	0	0	120,008
Distribution Plant	14	1,519,173	0	63,290	0	64,595
General, Common & Intangible Plant	13	529,439	33,680	7,778	0	41,618
Total Ad Valorem Taxes		5,617,096	384,352	71,068	0	456,885
Other Taxes						
Other Taxes - Payroll, Franchise, Other	23	1,739,321	98,696	23,749	0	123,092
Total Taxes Other Than Income Taxes		7,356,417	483,048	94,817	0	579,977
Total Operating Expense		139,145,080	5,719,298	1,356,887	4,500,501	11,610,380
Income Taxes						
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	859,926	223,651	0	1,087,529
Taxable Income		23,966,736	(6,472,019)	4,847,524	3,637,072	2,025,473
Less: State Income Tax	44	1,032,966	(278,944)	208,928	156,758	87,298
Federal Taxable Income		22,933,770	(6,193,075)	4,638,596	3,480,314	1,938,175
Federal Income Tax						
@ Current Rate of 21%	21.00%	4,816,092	(1,300,546)	974,105	730,866	407,016
State Income Taxes	44	1,032,966	(278,944)	208,928	156,758	87,298
Credits and Adjustments						
Plant Related Excess Deferred - ARAM	27	(926,911)	(58,226)	(15,143)	0	(73,637)
Federal and State Income Taxes		4,922,147	(1,637,716)	1,167,890	887,624	420,677
Total Operating Expenses		144,067,227	4,081,582	2,524,777	5,388,125	12,031,057
Total Operating Income		32,733,915	(3,974,377)	3,903,285	2,749,448	2,692,325

**MONTANA-DAKOTA UTILITIES CO.
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Rate Base

Allocation Factor	Total North Dakota	Large General Secondary Rate 30				Total LG Secondary Rate 30
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Electric Plant in Service						
Production Plant	2	372,523,090	124,661,954	0	0	124,661,954
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		372,523,090	124,661,954	0	0	124,661,954
Transmission Plant	2	235,301,764	78,741,905	0	0	78,741,905
Distribution Plant						
Land & Rights of Way	4	3,007,365	0	811,421	0	811,421
Station Equipment	4	72,632,242	0	19,597,007	0	19,597,007
Poles, OH & UG Conductors & Conduit						
Customer Related 83%	7	128,514,594	0	0	5,623,767	5,623,767
Demand Related 17%	4	25,579,643	0	6,901,679	0	6,901,679
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	8,266,769	8,266,769
Demand Related 36%	5	19,766,511	0	6,804,206	0	6,804,206
Services	10	27,193,804	0	0	2,335,024	2,335,024
Meters	8	12,509,383	0	0	2,618,841	2,618,841
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	34,114,313	18,844,401	52,958,714
General, Common & Intangible Plant	13	95,060,753	20,593,062	3,453,809	1,907,849	25,954,720
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	343,828	343,828
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	20,593,062	3,453,809	2,251,677	26,298,548
Acquisition Adjustment	29	7,381,702	2,470,229	0	0	2,470,229
Total Electric Plant in Service		1,049,258,731	226,467,150	37,568,122	21,096,078	285,131,350

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Allocation Factor	Total North Dakota	Large General Secondary Rate 30				Total LG Secondary Rate 30
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	46,684,868	0	0	46,684,868
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	46,684,868	0	0	46,684,868
Transmission Plant	2	61,384,598	20,541,878	0	0	20,541,878
Distribution Plant						
Rights of Way	4	143,560	0	38,734	0	38,734
Station Equipment	4	16,362,608	0	4,414,818	0	4,414,818
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	2,064,093	1,681,906	3,745,999
Line Transformers	19	20,292,634	0	2,504,933	3,043,368	5,548,301
Services	10	15,950,026	0	0	1,369,565	1,369,565
Meters	8	4,667,223	0	0	977,084	977,084
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	9,022,578	7,071,923	16,094,501
General, Common & Intangible Plant	13	35,694,527	7,732,525	1,296,877	716,382	9,745,784
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	225,637	225,637
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	7,732,525	1,296,877	942,019	9,971,421
Acquisition Adjustment	29	7,381,181	2,470,055	0	0	2,470,055
Amort. - Power Plant Decommissioning	2	309,542	103,586	0	0	103,586
Less: Total Accumulated Reserve for Depreciation		353,029,026	77,532,912	10,319,455	8,013,942	95,866,309
Net Electric Plant in Service		696,229,705	148,934,238	27,248,667	13,082,136	189,265,041
Additions						
Materials & Supplies	13	13,868,468	3,004,334	503,878	278,337	3,786,549
Prepayments	26	1,105,632	238,634	39,587	22,230	300,451
Fuel Stocks	1	1,960,046	0	0	675,473	675,473
Unamortized Loss on Debt	26	838,282	180,931	30,014	16,854	227,799
Gain/(Loss) on Sale of Building	13	875,617	189,685	31,813	17,573	239,071
Unamortized Redemption of Preferred Stock	26	207,687	44,826	7,436	4,176	56,438
Provision for Pension & Benefits	23	15,608,892	3,016,163	527,058	420,549	3,963,770
Provision for Post Retirement	23	3,678,752	710,859	124,219	99,116	934,194
Total Additions		38,143,376	7,385,432	1,264,005	858,835	10,183,745
Total Before Deductions		734,373,081	156,319,670	28,512,672	675,473	199,448,786

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		Large General Secondary Rate 30				Total	
	Allocation	Total	Demand	Demand		LG Secondary	
	Factor	North Dakota	Prod. & Trans.	Distribution	Energy	Customer	Rate 30
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	26,061,522	4,323,287	0	2,427,707	32,812,516
Customer Advances For Construction	26	1,447,877	312,503	51,840	0	29,111	393,454
Total Deductions		122,195,100	26,374,025	4,375,127	0	2,456,818	33,205,970
Total Rate Base		612,177,981	129,945,645	24,137,545	675,473	11,484,153	166,242,816
Rate of Return - Per Books		5.347%					10.45%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	24,468,033	33,043,955	3,068,991	60,580,979
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	24,468,033	33,043,955	3,068,991	60,580,979

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Large General Secondary Rate 30				Total LG Secondary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	2,001	2,001
NSF Check Fees	7	34,041	0	0	0	1,490	1,490
Other Miscellaneous Service Revenue	27	9,294	1,988	364	0	175	2,527
Rent from Electric Property							
Facilities Rental	27	1,250,571	267,516	48,944	0	23,498	339,958
Pole Attachments	15	77,937	0	3,491	0	2,844	6,335
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	5,904	0	0	0	5,904
Miscellaneous	27	17,621	3,769	690	0	331	4,790
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	60,264	0	33,289	93,553
Sales of Construction & Sundry Junk Material	14	43,398	0	4,471	0	2,470	6,941
Patronage Dividends	23	15,145	2,927	511	0	408	3,846
Joint Use Agreements	8	82,144	0	0	0	17,197	17,197
Big Stone Miscellaneous	29	207,328	69,381	0	0	0	69,381
Miscellaneous	23	70,310	13,586	2,374	0	1,894	17,854
Total Other Revenues		3,898,165	365,071	121,109	0	85,597	571,777
Total Operating Revenues		176,801,142	365,071	24,589,142	33,043,955	3,154,588	61,152,756

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	Allocation	Total	Demand	Demand	Large General Secondary Rate 30		Total
	Factor	North Dakota	Prod. & Trans.	Distribution	Energy	Customer	LG Secondary Rate 30
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	6,284,506	0	6,284,506
Purchased Power - Energy	1	23,830,979	0	0	8,212,656	0	8,212,656
Purchased Power - Capacity	2	3,747,271	1,253,995	0	0	0	1,253,995
Other Production	2	13,324,439	4,458,920	0	0	0	4,458,920
Total Production Expense		59,138,683	5,712,915	0	14,497,162	0	20,210,077
Transmission Expense							
	2	6,495,412	2,173,639	0	0	0	2,173,639
Distribution Expense							
	14	11,249,462	0	1,159,003	0	640,222	1,799,225
Customer Accounts Expense	12	2,895,512	0	0	0	257,287	257,287
Customer Service & Info. Expense	12	256,354	0	0	0	22,779	22,779
Sales Expense	7	102,864	0	0	0	4,501	4,501
Administrative & General Expenses	24	21,440,879	4,143,099	723,984	0	577,679	5,444,762
Total Electric O&M Expenses		101,579,166	12,029,653	1,882,987	14,497,162	1,502,468	29,912,270
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	1,253,995	0	14,497,162	0	15,751,157
Other O&M Expenses		55,764,922	10,775,658	1,882,987	0	1,502,468	14,161,113
Total Operation & Maintenance Expenses		101,579,166	12,029,653	1,882,987	14,497,162	1,502,468	29,912,270
Depreciation Expense							
Production Plant	2	9,835,190	3,291,270	0	0	0	3,291,270
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	3,291,270	0	0	0	3,291,270
Transmission Plant	2	3,929,539	1,314,990	0	0	0	1,314,990
Distribution Plant							
Rights of Way	4	7,440	0	2,007	0	0	2,007
Station Equipment	4	2,351,115	0	634,358	0	0	634,358
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	223,413	0	182,046	405,459
Line Transformers	19	1,784,594	0	220,291	0	267,643	487,934
Services	10	880,074	0	0	0	75,568	75,568
Meters	8	404,962	0	0	0	84,779	84,779
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	1,080,069	0	610,036	1,690,105
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	974,173	163,386	0	90,253	1,227,812
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	28,405	28,405
Total Plant		5,147,330	974,173	163,386	0	118,658	1,256,217

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	Allocation Factor	Total North Dakota	Large General Secondary Rate 30				Total LG Secondary Rate 30
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	216,709	0	0	0	216,709
Amort. Of Preferred Stock Redemption	26	20,943	4,521	750	0	421	5,692
Total Depreciation Expense		30,209,497	5,801,663	1,244,205	0	729,115	7,774,983
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	785,495	0	0	0	785,495
Transmission Plant	30	1,221,216	408,670	0	0	0	408,670
Distribution Plant	14	1,519,173	0	156,516	0	86,458	242,974
General, Common & Intangible Plant	13	529,439	114,693	19,236	0	10,626	144,555
Total Ad Valorem Taxes		5,617,096	1,308,858	175,752	0	97,084	1,581,694
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	336,095	58,731	0	46,862	441,688
Total Taxes Other Than Income Taxes		7,356,417	1,644,953	234,483	0	143,946	2,023,382
Total Operating Expense		139,145,080	19,476,269	3,361,675	14,497,162	2,375,529	39,710,635
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	2,928,357	535,766	0	257,222	3,721,345
Taxable Income		23,966,736	(22,039,555)	20,691,701	18,546,793	521,837	17,720,776
Less: State Income Tax	44	1,032,966	(949,905)	891,812	799,367	22,491	763,765
Federal Taxable Income		22,933,770	(21,089,650)	19,799,889	17,747,426	499,346	16,957,011
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(4,428,827)	4,157,977	3,726,959	104,863	3,560,972
State Income Taxes	44	1,032,966	(949,905)	891,812	799,367	22,491	763,765
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(198,281)	(36,277)	0	(17,417)	(251,975)
Federal and State Income Taxes		4,922,147	(5,577,013)	5,013,512	4,526,326	109,937	4,072,762
Total Operating Expenses		144,067,227	13,899,256	8,375,187	19,023,488	2,485,466	43,783,397
Total Operating Income		32,733,915	(13,534,185)	16,213,955	14,020,467	669,122	17,369,359

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	TOD Large General Rate 31 Primary						Total
	Allocation	Total	Demand	Demand			TOD LG Primary
	Factor	North Dakota	Prod. & Trans.	Distribution	Energy	Customer	Rate 31
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	400,507	0	0	0	400,507
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	400,507	0	0	0	400,507
Transmission Plant	2	235,301,764	252,978	0	0	0	252,978
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	2,250	0	0	2,250
Station Equipment	4	72,632,242	0	54,352	0	0	54,352
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	1,364	1,364
Demand Related 17%	4	25,579,643	0	19,142	0	0	19,142
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0	0
Services	10	27,193,804	0	0	0	0	0
Meters	8	12,509,383	0	0	0	6,640	6,640
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	75,744	0	8,004	83,748
General, Common & Intangible Plant	13	95,060,753	66,160	7,669	0	810	74,639
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	83	83
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	66,160	7,669	0	893	74,722
Acquisition Adjustment	29	7,381,702	7,936	0	0	0	7,936
Total Electric Plant in Service		1,049,258,731	727,581	83,413	0	8,897	819,891

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Primary				Total TOD LG Primary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	149,987	0	0	0	149,987
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	149,987	0	0	0	149,987
Transmission Plant	2	61,384,598	65,996	0	0	0	65,996
Distribution Plant							
Rights of Way	4	143,560	0	107	0	0	107
Station Equipment	4	16,362,608	0	12,244	0	0	12,244
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	5,725	0	408	6,133
Line Transformers	19	20,292,634	0	0	0	0	0
Services	10	15,950,026	0	0	0	0	0
Meters	8	4,667,223	0	0	0	2,478	2,478
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	18,076	0	2,886	20,962
General, Common & Intangible Plant	13	35,694,527	24,843	2,879	0	304	28,026
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	55	55
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	24,843	2,879	0	359	28,081
Acquisition Adjustment	29	7,381,181	7,936	0	0	0	7,936
Amort. - Power Plant Decommissioning	2	309,542	333	0	0	0	333
Less: Total Accumulated Reserve for Depreciation		353,029,026	249,095	20,955	0	3,245	273,295
Net Electric Plant in Service		696,229,705	478,486	62,458	0	5,652	546,596
Additions							
Materials & Supplies	13	13,868,468	9,652	1,119	0	118	10,889
Prepayments	26	1,105,632	767	88	0	9	864
Fuel Stocks	1	1,960,046	0	0	2,294	0	2,294
Unamortized Loss on Debt	26	838,282	581	67	0	7	655
Gain/(Loss) on Sale of Building	13	875,617	609	71	0	7	687
Unamortized Redemption of Preferred Stock	26	207,687	144	17	0	2	163
Provision for Pension & Benefits	23	15,608,892	9,690	1,170	0	205	11,065
Provision for Post Retirement	23	3,678,752	2,284	276	0	48	2,608
Total Additions		38,143,376	23,727	2,808	2,294	396	29,225
Total Before Deductions		734,373,081	502,213	65,266	2,294	6,048	575,821

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Primary				Total TOD LG Primary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	83,729	9,599	0	1,024	94,352
Customer Advances For Construction	26	1,447,877	1,004	115	0	12	1,131
Total Deductions		122,195,100	84,733	9,714	0	1,036	95,483
Total Rate Base		612,177,981	417,480	55,552	2,294	5,012	480,338
Rate of Return - Per Books		5.347%					6.87%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	67,625	89,254	1,164	158,043
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	67,625	89,254	1,164	158,043

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Primary				Total TOD LG Primary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	0	0
NSF Check Fees	7	34,041	0	0	0	0	0
Other Miscellaneous Service Revenue	27	9,294	6	1	0	0	7
Rent from Electric Property							
Facilities Rental	27	1,250,571	859	112	0	10	981
Pole Attachments	15	77,937	0	10	0	1	11
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	19	0	0	0	19
Miscellaneous	27	17,621	12	2	0	0	14
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	134	0	14	148
Sales of Construction & Sundry Junk Material	14	43,398	0	10	0	1	11
Patronage Dividends	23	15,145	9	1	0	0	10
Joint Use Agreements	8	82,144	0	0	0	44	44
Big Stone Miscellaneous	29	207,328	223	0	0	0	223
Miscellaneous	23	70,310	44	5	0	1	50
Total Other Revenues		3,898,165	1,172	275	0	71	1,518
Total Operating Revenues		176,801,142	1,172	67,900	89,254	1,235	159,561

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Primary				Total TOD LG Primary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	21,346	0	21,346
Purchased Power - Energy	1	23,830,979	0	0	27,895	0	27,895
Purchased Power - Capacity	2	3,747,271	4,029	0	0	0	4,029
Other Production	2	13,324,439	14,325	0	0	0	14,325
Total Production Expense		59,138,683	18,354	0	49,241	0	67,595
Transmission Expense	2	6,495,412	6,983	0	0	0	6,983
Distribution Expense	14	11,249,462	0	2,573	0	272	2,845
Customer Accounts Expense	12	2,895,512	0	0	0	163	163
Customer Service & Info. Expense	12	256,354	0	0	0	14	14
Sales Expense	7	102,864	0	0	0	1	1
Administrative & General Expenses	24	21,440,879	13,310	1,607	0	281	15,198
Total Electric O&M Expenses		101,579,166	38,647	4,180	49,241	731	92,799
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	4,029	0	49,241	0	53,270
Other O&M Expenses		55,764,922	34,618	4,180	0	731	39,529
Total Operation & Maintenance Expenses		101,579,166	38,647	4,180	49,241	731	92,799
Depreciation Expense							
Production Plant	2	9,835,190	10,574	0	0	0	10,574
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	10,574	0	0	0	10,574
Transmission Plant	2	3,929,539	4,225	0	0	0	4,225
Distribution Plant							
Rights of Way	4	7,440	0	6	0	0	6
Station Equipment	4	2,351,115	0	1,759	0	0	1,759
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	620	0	44	664
Line Transformers	19	1,784,594	0	0	0	0	0
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	215	215
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	2,385	0	259	2,644
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	3,130	363	0	38	3,531
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	7	7
Total Plant		5,147,330	3,130	363	0	45	3,538

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Primary				Total TOD LG Primary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	696	0	0	0	696
Amort. Of Preferred Stock Redemption	26	20,943	15	2	0	0	17
Total Depreciation Expense		30,209,497	18,640	2,750	0	304	21,694
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	2,524	0	0	0	2,524
Transmission Plant	30	1,221,216	1,313	0	0	0	1,313
Distribution Plant	14	1,519,173	0	348	0	37	385
General, Common & Intangible Plant	13	529,439	368	43	0	5	416
Total Ad Valorem Taxes		5,617,096	4,205	391	0	42	4,638
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	1,080	130	0	23	1,233
Total Taxes Other Than Income Taxes		7,356,417	5,285	521	0	65	5,871
Total Operating Expense		139,145,080	62,572	7,451	49,241	1,100	120,364
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	9,408	1,228	0	111	10,747
Taxable Income		23,966,736	(70,808)	59,221	40,013	24	28,450
Less: State Income Tax	44	1,032,966	(3,052)	2,552	1,725	1	1,226
Federal Taxable Income		22,933,770	(67,756)	56,669	38,288	23	27,224
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(14,229)	11,900	8,040	5	5,716
State Income Taxes	44	1,032,966	(3,052)	2,552	1,725	1	1,226
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(637)	(83)	0	(8)	(728)
Federal and State Income Taxes		4,922,147	(17,918)	14,369	9,765	(2)	6,214
Total Operating Expenses		144,067,227	44,654	21,820	59,006	1,098	126,578
Total Operating Income		32,733,915	(43,482)	46,080	30,248	137	32,983

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total TOD LG Secondary Rate 31
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	2,389,330	0	0	0	2,389,330
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	2,389,330	0	0	0	2,389,330
Transmission Plant	2	235,301,764	1,509,204	0	0	0	1,509,204
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	15,553	0	0	15,553
Station Equipment	4	72,632,242	0	375,623	0	0	375,623
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	64,108	64,108
Demand Related 17%	4	25,579,643	0	132,287	0	0	132,287
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	98,955	98,955
Demand Related 36%	5	19,766,511	0	130,419	0	0	130,419
Services	10	27,193,804	0	0	0	30,560	30,560
Meters	8	12,509,383	0	0	0	28,683	28,683
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	653,882	0	222,306	876,188
General, Common & Intangible Plant	13	95,060,753	394,696	66,200	0	22,507	483,403
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	3,919	3,919
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	394,696	66,200	0	26,426	487,322
Acquisition Adjustment	29	7,381,702	47,346	0	0	0	47,346
Total Electric Plant in Service		1,049,258,731	4,340,576	720,082	0	248,732	5,309,390

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Allocation Factor	Total North Dakota	TOD Large General Rate 31 Secondary				Total TOD LG Secondary Rate 31
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	894,784	0	0	894,784
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	894,784	0	0	894,784
Transmission Plant	2	61,384,598	393,715	0	0	393,715
Distribution Plant						
Rights of Way	4	143,560	0	742	0	742
Station Equipment	4	16,362,608	0	84,621	0	84,621
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	39,563	19,173	58,736
Line Transformers	19	20,292,634	0	48,013	36,430	84,443
Services	10	15,950,026	0	0	17,925	17,925
Meters	8	4,667,223	0	0	10,702	10,702
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	172,939	84,230	257,169
General, Common & Intangible Plant	13	35,694,527	148,205	24,858	8,451	181,514
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	2,572	2,572
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	148,205	24,858	11,023	184,086
Acquisition Adjustment	29	7,381,181	47,342	0	0	47,342
Amort. - Power Plant Decommissioning	2	309,542	1,985	0	0	1,985
Less: Total Accumulated Reserve for Depreciation		353,029,026	1,486,031	197,797	95,253	1,779,081
Net Electric Plant in Service		696,229,705	2,854,545	522,285	153,479	3,530,309
Additions						
Materials & Supplies	13	13,868,468	57,582	9,658	3,283	70,523
Prepayments	26	1,105,632	4,574	759	262	5,595
Fuel Stocks	1	1,960,046	0	0	12,947	12,947
Unamortized Loss on Debt	26	838,282	3,468	575	199	4,242
Gain/(Loss) on Sale of Building	13	875,617	3,636	610	207	4,453
Unamortized Redemption of Preferred Stock	26	207,687	859	143	49	1,051
Provision for Pension & Benefits	23	15,608,892	57,809	10,102	6,131	74,042
Provision for Post Retirement	23	3,678,752	13,625	2,381	1,445	17,451
Total Additions		38,143,376	141,553	24,228	11,576	190,304
Total Before Deductions		734,373,081	2,996,098	546,513	165,055	3,720,613

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Secondary				Total TOD LG Secondary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	499,507	82,866	0	28,623	610,996
Customer Advances For Construction	26	1,447,877	5,990	994	0	343	7,327
Total Deductions		122,195,100	505,497	83,860	0	28,966	618,323
Total Rate Base		612,177,981	2,490,601	462,653	12,947	136,089	3,102,290
Rate of Return - Per Books		5.347%					11.33%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919		495,514	633,477	44,928	1,173,919
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	495,514	633,477	44,928	1,173,919

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Secondary				Total TOD LG Secondary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	23	23
NSF Check Fees	7	34,041	0	0	0	17	17
Other Miscellaneous Service Revenue	27	9,294	38	7	0	2	47
Rent from Electric Property							
Facilities Rental	27	1,250,571	5,127	938	0	276	6,341
Pole Attachments	15	77,937	0	67	0	32	99
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	113	0	0	0	113
Miscellaneous	27	17,621	72	13	0	4	89
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	1,155	0	393	1,548
Sales of Construction & Sundry Junk Material	14	43,398	0	86	0	29	115
Patronage Dividends	23	15,145	56	10	0	6	72
Joint Use Agreements	8	82,144	0	0	0	188	188
Big Stone Miscellaneous	29	207,328	1,330	0	0	0	1,330
Miscellaneous	23	70,310	260	46	0	28	334
Total Other Revenues		3,898,165	6,996	2,322	0	998	10,316
Total Operating Revenues		176,801,142	6,996	497,836	633,477	45,926	1,184,235

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	TOD LG Secondary Rate 31
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	120,459	0	120,459
Purchased Power - Energy	1	23,830,979	0	0	157,417	0	157,417
Purchased Power - Capacity	2	3,747,271	24,035	0	0	0	24,035
Other Production	2	13,324,439	85,462	0	0	0	85,462
Total Production Expense		59,138,683	109,497	0	277,876	0	387,373
Transmission Expense							
	2	6,495,412	41,661	0	0	0	41,661
Distribution Expense							
	14	11,249,462	0	22,215	0	7,553	29,768
Customer Accounts Expense	12	2,895,512	0	0	0	5,399	5,399
Customer Service & Info. Expense	12	256,354	0	0	0	478	478
Sales Expense	7	102,864	0	0	0	51	51
Administrative & General Expenses	24	21,440,879	79,409	13,877	0	8,421	101,707
Total Electric O&M Expenses		101,579,166	230,567	36,092	277,876	21,902	566,437
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	24,035	0	277,876	0	301,911
Other O&M Expenses		55,764,922	206,532	36,092	0	21,902	264,526
Total Operation & Maintenance Expenses		101,579,166	230,567	36,092	277,876	21,902	566,437
Depreciation Expense							
Production Plant	2	9,835,190	63,082	0	0	0	63,082
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	63,082	0	0	0	63,082
Transmission Plant							
	2	3,929,539	25,204	0	0	0	25,204
Distribution Plant							
Rights of Way	4	7,440	0	38	0	0	38
Station Equipment	4	2,351,115	0	12,159	0	0	12,159
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	4,282	0	2,075	6,357
Line Transformers	19	1,784,594	0	4,222	0	3,204	7,426
Services	10	880,074	0	0	0	989	989
Meters	8	404,962	0	0	0	929	929
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	20,701	0	7,197	27,898
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	18,671	3,132	0	1,065	22,868
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	324	324
Total Plant		5,147,330	18,671	3,132	0	1,389	23,192

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	Allocation Factor	Total North Dakota	TOD Large General Rate 31 Secondary				Total TOD LG Secondary Rate 31
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	4,154	0	0	0	4,154
Amort. Of Preferred Stock Redemption	26	20,943	87	14	0	5	106
Total Depreciation Expense		30,209,497	111,198	23,847	0	8,591	143,636
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	15,055	0	0	0	15,055
Transmission Plant	30	1,221,216	7,833	0	0	0	7,833
Distribution Plant	14	1,519,173	0	3,000	0	1,020	4,020
General, Common & Intangible Plant	13	529,439	2,198	369	0	125	2,692
Total Ad Valorem Taxes		5,617,096	25,086	3,369	0	1,145	29,600
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	6,442	1,126	0	683	8,251
Total Taxes Other Than Income Taxes		7,356,417	31,528	4,495	0	1,828	37,851
Total Operating Expense		139,145,080	373,293	64,434	277,876	32,321	747,924
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	56,126	10,269	0	3,018	69,413
Taxable Income		23,966,736	(422,423)	423,133	355,601	10,587	366,898
Less: State Income Tax	44	1,032,966	(18,206)	18,237	15,326	456	15,813
Federal Taxable Income		22,933,770	(404,217)	404,896	340,275	10,131	351,085
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(84,886)	85,028	71,458	2,128	73,728
State Income Taxes	44	1,032,966	(18,206)	18,237	15,326	456	15,813
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(3,800)	(695)	0	(204)	(4,699)
Federal and State Income Taxes		4,922,147	(106,892)	102,570	86,784	2,380	84,842
Total Operating Expenses		144,067,227	266,401	167,004	364,660	34,701	832,766
Total Operating Income		32,733,915	(259,405)	330,832	268,817	11,225	351,469

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Rate Base

Allocation Factor	Total North Dakota	Space Heating Rate 32				Total Space Heating Rate 32
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Electric Plant in Service						
Production Plant						
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		372,523,090	7,630,230	0	0	7,630,230
Transmission Plant	2	235,301,764	4,819,585	0	0	4,819,585
Distribution Plant						
Land & Rights of Way	4	3,007,365	0	109,917	0	109,917
Station Equipment	4	72,632,242	0	2,654,655	0	2,654,655
Poles, OH & UG Conductors & Conduit						
Customer Related 83%	7	128,514,594	0	0	45,012	45,012
Demand Related 17%	4	25,579,643	0	934,917	0	934,917
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	0	0
Demand Related 36%	5	19,766,511	0	921,713	0	921,713
Services	10	27,193,804	0	0	0	0
Meters	8	12,509,383	0	0	281,575	281,575
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	4,621,202	326,587	4,947,789
General, Common & Intangible Plant	13	95,060,753	1,260,448	467,861	33,064	1,761,373
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	2,752	2,752
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	1,260,448	467,861	35,816	1,764,125
Acquisition Adjustment	29	7,381,702	151,196	0	0	151,196
Total Electric Plant in Service		1,049,258,731	13,861,459	5,089,063	362,403	19,312,925

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	Allocation Factor	Total North Dakota	Space Heating Rate 32				Total Space Heating Rate 32
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	2,857,458	0	0	0	2,857,458
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	2,857,458	0	0	0	2,857,458
Transmission Plant	2	61,384,598	1,257,314	0	0	0	1,257,314
Distribution Plant							
Rights of Way	4	143,560	0	5,247	0	0	5,247
Station Equipment	4	16,362,608	0	598,041	0	0	598,041
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	279,607	0	13,462	293,069
Line Transformers	19	20,292,634	0	339,324	0	0	339,324
Services	10	15,950,026	0	0	0	0	0
Meters	8	4,667,223	0	0	0	105,055	105,055
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	1,222,219	0	118,517	1,340,736
General, Common & Intangible Plant	13	35,694,527	473,288	175,678	0	12,415	661,381
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	1,806	1,806
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	473,288	175,678	0	14,221	663,187
Acquisition Adjustment	29	7,381,181	151,186	0	0	0	151,186
Amort. - Power Plant Decommissioning	2	309,542	6,340	0	0	0	6,340
Less: Total Accumulated Reserve for Depreciation		353,029,026	4,745,586	1,397,897	0	132,738	6,276,221
Net Electric Plant in Service		696,229,705	9,115,873	3,691,166	0	229,665	13,036,704
Additions							
Materials & Supplies	13	13,868,468	183,887	68,256	0	4,824	256,967
Prepayments	26	1,105,632	14,606	5,362	0	382	20,350
Fuel Stocks	1	1,960,046	0	0	53,484	0	53,484
Unamortized Loss on Debt	26	838,282	11,074	4,066	0	290	15,430
Gain/(Loss) on Sale of Building	13	875,617	11,610	4,310	0	305	16,225
Unamortized Redemption of Preferred Stock	26	207,687	2,744	1,007	0	72	3,823
Provision for Pension & Benefits	23	15,608,892	184,612	71,396	0	37,456	293,464
Provision for Post Retirement	23	3,678,752	43,510	16,827	0	8,828	69,165
Total Additions		38,143,376	452,043	171,224	53,484	52,157	728,908
Total Before Deductions		734,373,081	9,567,916	3,862,390	53,484	281,822	13,765,612

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	Allocation Factor	Total North Dakota	Space Heating Rate 32				Total Space Heating Rate 32
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	1,595,158	585,642	0	41,705	2,222,505
Customer Advances For Construction	26	1,447,877	19,127	7,022	0	500	26,649
Total Deductions		122,195,100	1,614,285	592,664	0	42,205	2,249,154
Total Rate Base		612,177,981	7,953,631	3,269,726	53,484	239,617	11,516,458
Rate of Return - Per Books		5.347%					5.31%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	787,765	2,668,509	151,956	3,608,230
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	787,765	2,668,509	151,956	3,608,230

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
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	Allocation Factor	Total North Dakota	Space Heating Rate 32				Total Space Heating Rate 32
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	16	16
NSF Check Fees	7	34,041	0	0	0	12	12
Other Miscellaneous Service Revenue	27	9,294	122	49	0	3	174
Rent from Electric Property							
Facilities Rental	27	1,250,571	16,374	6,630	0	413	23,417
Pole Attachments	15	77,937	0	473	0	23	496
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	361	0	0	0	361
Miscellaneous	27	17,621	231	93	0	6	330
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	8,164	0	577	8,741
Sales of Construction & Sundry Junk Material	14	43,398	0	606	0	43	649
Patronage Dividends	23	15,145	179	69	0	36	284
Joint Use Agreements	8	82,144	0	0	0	1,849	1,849
Big Stone Miscellaneous	29	207,328	4,247	0	0	0	4,247
Miscellaneous	23	70,310	832	322	0	169	1,323
Total Other Revenues		3,898,165	22,346	16,406	0	3,147	41,899
Total Operating Revenues		176,801,142	22,346	804,171	2,668,509	155,103	3,650,129

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Space Heating Rate 32				Total Space Heating Rate 32
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	497,609	0	497,609
Purchased Power - Energy	1	23,830,979	0	0	650,281	0	650,281
Purchased Power - Capacity	2	3,747,271	76,754	0	0	0	76,754
Other Production	2	13,324,439	272,919	0	0	0	272,919
Total Production Expense		59,138,683	349,673	0	1,147,890	0	1,497,563
Transmission Expense	2	6,495,412	133,043	0	0	0	133,043
Distribution Expense	14	11,249,462	0	157,001	0	11,095	168,096
Customer Accounts Expense	12	2,895,512	0	0	0	65,441	65,441
Customer Service & Info. Expense	12	256,354	0	0	0	5,794	5,794
Sales Expense	7	102,864	0	0	0	36	36
Administrative & General Expenses	24	21,440,879	253,589	98,072	0	51,451	403,112
Total Electric O&M Expenses		101,579,166	736,305	255,073	1,147,890	133,817	2,273,085
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	76,754	0	1,147,890	0	1,224,644
Other O&M Expenses		55,764,922	659,551	255,073	0	133,817	1,048,441
Total Operation & Maintenance Expenses		101,579,166	736,305	255,073	1,147,890	133,817	2,273,085
Depreciation Expense							
Production Plant	2	9,835,190	201,450	0	0	0	201,450
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	201,450	0	0	0	201,450
Transmission Plant	2	3,929,539	80,487	0	0	0	80,487
Distribution Plant							
Rights of Way	4	7,440	0	272	0	0	272
Station Equipment	4	2,351,115	0	85,932	0	0	85,932
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	30,264	0	1,457	31,721
Line Transformers	19	1,784,594	0	29,841	0	0	29,841
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	9,115	9,115
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	146,309	0	10,572	156,881
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	59,627	22,133	0	1,564	83,324
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	227	227
Total Plant		5,147,330	59,627	22,133	0	1,791	83,551

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	Allocation Factor	Total North Dakota	Space Heating Rate 32			Total Space Heating Rate 32
			Demand Prod. & Trans.	Demand Distribution	Energy Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	13,264	0	0	13,264
Amort. Of Preferred Stock Redemption	26	20,943	277	102	0	386
Total Depreciation Expense		30,209,497	355,105	168,544	0	536,019
Taxes Other Than Income						
Ad Valorem Taxes						
Production Plant	29	2,347,268	48,078	0	0	48,078
Transmission Plant	30	1,221,216	25,014	0	0	25,014
Distribution Plant	14	1,519,173	0	21,202	1,498	22,700
General, Common & Intangible Plant	13	529,439	7,020	2,606	184	9,810
Total Ad Valorem Taxes		5,617,096	80,112	23,808	1,682	105,602
Other Taxes						
Other Taxes - Payroll, Franchise, Other	23	1,739,321	20,572	7,956	4,174	32,702
Total Taxes Other Than Income Taxes		7,356,417	100,684	31,764	5,856	138,304
Total Operating Expense		139,145,080	1,192,094	455,381	1,147,890	2,947,408
Income Taxes						
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	179,237	72,576	0	256,329
Taxable Income		23,966,736	(1,348,985)	276,214	1,520,619	446,392
Less: State Income Tax	44	1,032,966	(58,141)	11,905	65,539	19,240
Federal Taxable Income		22,933,770	(1,290,844)	264,309	1,455,080	427,152
Federal Income Tax						
@ Current Rate of 21%	21.00%	4,816,092	(271,077)	55,505	305,567	89,702
State Income Taxes	44	1,032,966	(58,141)	11,905	65,539	19,240
Credits and Adjustments						
Plant Related Excess Deferred - ARAM	27	(926,911)	(12,136)	(4,914)	0	(17,356)
Federal and State Income Taxes		4,922,147	(341,354)	62,496	371,106	91,586
Total Operating Expenses		144,067,227	850,740	517,877	1,518,996	3,038,994
Total Operating Income		32,733,915	(828,394)	286,294	1,149,513	611,135

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Small Municipal Rate 40 Energy	Customer	Total Sm Municipal Rate 40
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	586,281	0	0	0	586,281
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	586,281	0	0	0	586,281
Transmission Plant	2	235,301,764	370,320	0	0	0	370,320
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	9,371	0	0	9,371
Station Equipment	4	72,632,242	0	226,313	0	0	226,313
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	317,811	317,811
Demand Related 17%	4	25,579,643	0	79,703	0	0	79,703
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	290,504	290,504
Demand Related 36%	5	19,766,511	0	78,577	0	0	78,577
Services	10	27,193,804	0	0	0	74,102	74,102
Meters	8	12,509,383	0	0	0	46,852	46,852
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	393,964	0	729,269	1,123,233
General, Common & Intangible Plant	13	95,060,753	96,849	39,886	0	73,833	210,568
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	19,431	19,431
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	96,849	39,886	0	93,264	229,999
Acquisition Adjustment	29	7,381,702	11,617	0	0	0	11,617
Total Electric Plant in Service		1,049,258,731	1,065,067	433,850	0	822,533	2,321,450

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Allocation Factor	Total North Dakota	Small Municipal Rate 40				Total Sm Municipal Rate 40
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	219,557	0	0	219,557
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	219,557	0	0	219,557
Transmission Plant	2	61,384,598	96,608	0	0	96,608
Distribution Plant						
Rights of Way	4	143,560	0	447	0	447
Station Equipment	4	16,362,608	0	50,984	0	50,984
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	23,837	95,048	118,885
Line Transformers	19	20,292,634	0	28,928	106,947	135,875
Services	10	15,950,026	0	0	43,463	43,463
Meters	8	4,667,223	0	0	17,480	17,480
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	104,196	262,938	367,134
General, Common & Intangible Plant	13	35,694,527	36,366	14,977	27,724	79,067
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	12,751	12,751
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	36,366	14,977	40,475	91,818
Acquisition Adjustment	29	7,381,181	11,617	0	0	11,617
Amort. - Power Plant Decommissioning	2	309,542	487	0	0	487
Less: Total Accumulated Reserve for Depreciation		353,029,026	364,635	119,173	0	787,221
Net Electric Plant in Service		696,229,705	700,432	314,677	0	1,534,229
Additions						
Materials & Supplies	13	13,868,468	14,129	5,819	10,772	30,720
Prepayments	26	1,105,632	1,122	457	867	2,446
Fuel Stocks	1	1,960,046	0	0	3,057	3,057
Unamortized Loss on Debt	26	838,282	851	347	657	1,855
Gain/(Loss) on Sale of Building	13	875,617	892	367	680	1,939
Unamortized Redemption of Preferred Stock	26	207,687	211	86	163	460
Provision for Pension & Benefits	23	15,608,892	14,185	6,087	15,009	35,281
Provision for Post Retirement	23	3,678,752	3,343	1,435	3,537	8,315
Total Additions		38,143,376	34,733	14,598	31,685	84,073
Total Before Deductions		734,373,081	735,165	329,275	550,805	1,618,302

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	Allocation Factor	Total North Dakota	Small Municipal Rate 40				Total Sm Municipal Rate 40
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	122,567	49,927	0	94,656	267,150
Customer Advances For Construction	26	1,447,877	1,470	599	0	1,135	3,204
Total Deductions		122,195,100	124,037	50,526	0	95,791	270,354
Total Rate Base		612,177,981	611,128	278,749	3,057	455,014	1,347,948
Rate of Return - Per Books		5.347%					0.90%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	46,587	149,358	85,308	281,253
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	46,587	149,358	85,308	281,253

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	Allocation Factor	Total North Dakota	Small Municipal Rate 40				Total Sm Municipal Rate 40
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	113	113
NSF Check Fees	7	34,041	0	0	0	84	84
Other Miscellaneous Service Revenue	27	9,294	9	4	0	7	20
Rent from Electric Property							
Facilities Rental	27	1,250,571	1,258	565	0	932	2,755
Pole Attachments	15	77,937	0	40	0	161	201
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	28	0	0	0	28
Miscellaneous	27	17,621	18	8	0	13	39
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	696	0	1,288	1,984
Sales of Construction & Sundry Junk Material	14	43,398	0	52	0	96	148
Patronage Dividends	23	15,145	14	6	0	15	35
Joint Use Agreements	8	82,144	0	0	0	308	308
Big Stone Miscellaneous	29	207,328	326	0	0	0	326
Miscellaneous	23	70,310	64	27	0	68	159
Total Other Revenues		3,898,165	1,717	1,398	0	3,085	6,200
Total Operating Revenues		176,801,142	1,717	47,985	149,358	88,393	287,453

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Allocation Factor	Total North Dakota	Small Municipal Rate 40				Total Sm Municipal Rate 40
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses						
Production Expense						
Fuel	1	18,235,994	0	28,441	0	28,441
Purchased Power - Energy	1	23,830,979	0	37,167	0	37,167
Purchased Power - Capacity	2	3,747,271	5,897	0	0	5,897
Other Production	2	13,324,439	20,970	0	0	20,970
Total Production Expense		59,138,683	26,867	65,608	0	92,475
Transmission Expense	2	6,495,412	10,223	0	0	10,223
Distribution Expense	14	11,249,462	0	13,385	24,776	38,161
Customer Accounts Expense	12	2,895,512	0	0	7,325	7,325
Customer Service & Info. Expense	12	256,354	0	0	649	649
Sales Expense	7	102,864	0	0	254	254
Administrative & General Expenses	24	21,440,879	19,485	8,361	20,616	48,462
Total Electric O&M Expenses		101,579,166	56,575	21,746	53,620	197,549
Total Operating Expenses						
Cost of Fuel & Purchased Power		45,814,244	5,897	65,608	0	71,505
Other O&M Expenses		55,764,922	50,678	21,746	53,620	126,044
Total Operation & Maintenance Expenses		101,579,166	56,575	21,746	53,620	197,549
Depreciation Expense						
Production Plant	2	9,835,190	15,479	0	0	15,479
Wind Production Plant	3	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	15,479	0	0	15,479
Transmission Plant	2	3,929,539	6,184	0	0	6,184
Distribution Plant						
Rights of Way	4	7,440	0	23	0	23
Station Equipment	4	2,351,115	0	7,326	0	7,326
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	2,580	10,288	12,868
Line Transformers	19	1,784,594	0	2,544	9,405	11,949
Services	10	880,074	0	0	2,398	2,398
Meters	8	404,962	0	0	1,517	1,517
Installation on Cust. Premises	Direct	52,082	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0
Total Distribution Plant		10,628,911	0	12,473	23,608	36,081
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	4,582	1,887	3,493	9,962
Common - Intangible - CC&B & PCAD	6	650,395	0	0	1,605	1,605
Total Plant		5,147,330	4,582	1,887	5,098	11,567

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	Allocation Factor	Total North Dakota	Small Municipal Rate 40				Total Sm Municipal Rate 40
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	1,019	0	0	0	1,019
Amort. Of Preferred Stock Redemption	26	20,943	21	9	0	16	46
Total Depreciation Expense		30,209,497	27,285	14,369	0	28,722	70,376
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	3,694	0	0	0	3,694
Transmission Plant	30	1,221,216	1,922	0	0	0	1,922
Distribution Plant	14	1,519,173	0	1,808	0	3,346	5,154
General, Common & Intangible Plant	13	529,439	539	222	0	411	1,172
Total Ad Valorem Taxes		5,617,096	6,155	2,030	0	3,757	11,942
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	1,581	678	0	1,672	3,931
Total Taxes Other Than Income Taxes		7,356,417	7,736	2,708	0	5,429	15,873
Total Operating Expense		139,145,080	91,596	38,823	65,608	87,771	283,798
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	13,772	6,187	0	10,207	30,166
Taxable Income		23,966,736	(103,651)	2,975	83,750	(9,585)	(26,511)
Less: State Income Tax	44	1,032,966	(4,467)	128	3,610	(413)	(1,142)
Federal Taxable Income		22,933,770	(99,184)	2,847	80,140	(9,172)	(25,369)
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(20,829)	598	16,829	(1,926)	(5,327)
State Income Taxes	44	1,032,966	(4,467)	128	3,610	(413)	(1,142)
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(933)	(419)	0	(691)	(2,043)
Federal and State Income Taxes		4,922,147	(26,229)	307	20,439	(3,030)	(8,512)
Total Operating Expenses		144,067,227	65,367	39,130	86,047	84,741	275,286
Total Operating Income		32,733,915	(63,650)	8,855	63,311	3,652	12,167

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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total Mun Lighting Pri Rate 41
Municipal Lighting Primary Rate 41							
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	70,161	0	0	0	70,161
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	70,161	0	0	0	70,161
Transmission Plant	2	235,301,764	44,317	0	0	0	44,317
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	2,050	0	0	2,050
Station Equipment	4	72,632,242	0	49,506	0	0	49,506
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	58,651	58,651
Demand Related 17%	4	25,579,643	0	17,435	0	0	17,435
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0	0
Services	10	27,193,804	0	0	0	0	0
Meters	8	12,509,383	0	0	0	3,781	3,781
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	68,991	0	62,432	131,423
General, Common & Intangible Plant	13	95,060,753	11,590	6,985	0	6,321	24,896
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	3,586	3,586
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	11,590	6,985	0	9,907	28,482
Acquisition Adjustment	29	7,381,702	1,390	0	0	0	1,390
Total Electric Plant in Service		1,049,258,731	127,458	75,976	0	72,339	275,773

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Lighting Primary Rate 41				Total Mun Lighting Pri Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	26,275	0	0	0	26,275
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	26,275	0	0	0	26,275
Transmission Plant	2	61,384,598	11,561	0	0	0	11,561
Distribution Plant							
Rights of Way	4	143,560	0	98	0	0	98
Station Equipment	4	16,362,608	0	11,153	0	0	11,153
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	5,215	0	17,541	22,756
Line Transformers	19	20,292,634	0	0	0	0	0
Services	10	15,950,026	0	0	0	0	0
Meters	8	4,667,223	0	0	0	1,411	1,411
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	16,466	0	18,952	35,418
General, Common & Intangible Plant	13	35,694,527	4,352	2,623	0	2,373	9,348
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	2,353	2,353
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	4,352	2,623	0	4,726	11,701
Acquisition Adjustment	29	7,381,181	1,390	0	0	0	1,390
Amort. - Power Plant Decommissioning	2	309,542	58	0	0	0	58
Less: Total Accumulated Reserve for Depreciation		353,029,026	43,636	19,089	0	23,678	86,403
Net Electric Plant in Service		696,229,705	83,822	56,887	0	48,661	189,370
Additions							
Materials & Supplies	13	13,868,468	1,691	1,019	0	922	3,632
Prepayments	26	1,105,632	134	80	0	76	290
Fuel Stocks	1	1,960,046	0	0	1,087	0	1,087
Unamortized Loss on Debt	26	838,282	102	61	0	58	221
Gain/(Loss) on Sale of Building	13	875,617	107	64	0	58	229
Unamortized Redemption of Preferred Stock	26	207,687	25	15	0	14	54
Provision for Pension & Benefits	23	15,608,892	1,698	1,066	0	1,564	4,328
Provision for Post Retirement	23	3,678,752	400	251	0	369	1,020
Total Additions		38,143,376	4,157	2,556	1,087	3,061	10,861
Total Before Deductions		734,373,081	87,979	59,443	1,087	51,722	200,231

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		Municipal Lighting Primary Rate 41				Total	
	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Mun Lighting Pri Rate 41
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	14,667	8,743	0	8,324	31,734
Customer Advances For Construction	26	1,447,877	176	105	0	100	381
Total Deductions		122,195,100	14,843	8,848	0	8,424	32,115
Total Rate Base		612,177,981	73,136	50,595	1,087	43,298	168,116
Rate of Return - Per Books		5.347%					14.82%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	80,434	0	80,434
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	0	80,434	0	80,434

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Lighting Primary Rate 41				Total Mun Lighting Pri Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	21	21
NSF Check Fees	7	34,041	0	0	0	16	16
Other Miscellaneous Service Revenue	27	9,294	1	1	0	1	3
Rent from Electric Property							
Facilities Rental	27	1,250,571	151	102	0	87	340
Pole Attachments	15	77,937	0	9	0	30	39
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	3	0	0	0	3
Miscellaneous	27	17,621	2	1	0	1	4
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	122	0	110	232
Sales of Construction & Sundry Junk Material	14	43,398	0	9	0	8	17
Patronage Dividends	23	15,145	2	1	0	2	5
Joint Use Agreements	8	82,144	0	0	0	25	25
Big Stone Miscellaneous	29	207,328	39	0	0	0	39
Miscellaneous	23	70,310	8	5	0	7	20
Total Other Revenues		3,898,165	206	250	0	308	764
Total Operating Revenues		176,801,142	206	250	80,434	308	81,198

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Allocation Factor	Total North Dakota	Municipal Lighting Primary Rate 41				Total Mun Lighting Pri Rate 41
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses						
Production Expense						
Fuel	1	18,235,994	0	10,118	0	10,118
Purchased Power - Energy	1	23,830,979	0	13,222	0	13,222
Purchased Power - Capacity	2	3,747,271	706	0	0	706
Other Production	2	13,324,439	2,510	0	0	2,510
Total Production Expense		59,138,683	3,216	23,340	0	26,556
Transmission Expense	2	6,495,412	1,223	0	0	1,223
Distribution Expense	14	11,249,462	0	2,344	2,121	4,465
Customer Accounts Expense	12	2,895,512	0	0	1,167	1,167
Customer Service & Info. Expense	12	256,354	0	0	103	103
Sales Expense	7	102,864	0	0	47	47
Administrative & General Expenses	24	21,440,879	2,332	1,464	2,148	5,944
Total Electric O&M Expenses		101,579,166	6,771	23,340	5,586	39,505
Total Operating Expenses						
Cost of Fuel & Purchased Power		45,814,244	706	23,340	0	24,046
Other O&M Expenses		55,764,922	6,065	0	5,586	15,459
Total Operation & Maintenance Expenses		101,579,166	6,771	23,340	5,586	39,505
Depreciation Expense						
Production Plant	2	9,835,190	1,852	0	0	1,852
Wind Production Plant	3	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	1,852	0	0	1,852
Transmission Plant	2	3,929,539	740	0	0	740
Distribution Plant						
Rights of Way	4	7,440	0	5	0	5
Station Equipment	4	2,351,115	0	1,603	0	1,603
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	564	1,899	2,463
Line Transformers	19	1,784,594	0	0	0	0
Services	10	880,074	0	0	0	0
Meters	8	404,962	0	0	122	122
Installation on Cust. Premises	Direct	52,082	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0
Total Distribution Plant		10,628,911	0	2,172	2,021	4,193
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	548	330	299	1,177
Common - Intangible - CC&B & PCAD	6	650,395	0	0	296	296
Total Plant		5,147,330	548	330	595	1,473

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	Allocation Factor	Total North Dakota	Municipal Lighting Primary Rate 41				Total Mun Lighting Pri Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	122	0	0	0	122
Amort. Of Preferred Stock Redemption	26	20,943	3	2	0	1	6
Total Depreciation Expense		30,209,497	3,265	2,504	0	2,617	8,386
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	442	0	0	0	442
Transmission Plant	30	1,221,216	230	0	0	0	230
Distribution Plant	14	1,519,173	0	317	0	286	603
General, Common & Intangible Plant	13	529,439	65	39	0	35	139
Total Ad Valorem Taxes		5,617,096	737	356	0	321	1,414
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	189	119	0	174	482
Total Taxes Other Than Income Taxes		7,356,417	926	475	0	495	1,896
Total Operating Expense		139,145,080	10,962	6,787	23,340	8,698	49,787
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	1,648	1,119	0	957	3,724
Taxable Income		23,966,736	(12,404)	(7,656)	57,094	(9,347)	27,687
Less: State Income Tax	44	1,032,966	(535)	(330)	2,461	(403)	1,193
Federal Taxable Income		22,933,770	(11,869)	(7,326)	54,633	(8,944)	26,494
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(2,492)	(1,538)	11,473	(1,878)	5,564
State Income Taxes	44	1,032,966	(535)	(330)	2,461	(403)	1,193
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(112)	(76)	0	(65)	(253)
Federal and State Income Taxes		4,922,147	(3,139)	(1,944)	13,934	(2,346)	6,504
Total Operating Expenses		144,067,227	7,823	4,843	37,274	6,352	56,291
Total Operating Income		32,733,915	(7,617)	(4,593)	43,160	(6,044)	24,907

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Lighting Secondary Rate 41				Total Mun Lighting Sec Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	656,587	0	0	0	656,587
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	656,587	0	0	0	656,587
Transmission Plant	2	235,301,764	414,729	0	0	0	414,729
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	17,827	0	0	17,827
Station Equipment	4	72,632,242	0	430,541	0	0	430,541
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	665,631	665,631
Demand Related 17%	4	25,579,643	0	151,628	0	0	151,628
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	359,773	359,773
Demand Related 36%	5	19,766,511	0	149,487	0	0	149,487
Services	10	27,193,804	0	0	0	209,595	209,595
Meters	8	12,509,383	0	0	0	44,085	44,085
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	4,950,417	4,950,417
Total Distribution Plant		331,118,734	0	749,483	0	6,229,501	6,978,984
General, Common & Intangible Plant	13	95,060,753	108,462	75,879	0	630,688	815,029
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	40,696	40,696
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	108,462	75,879	0	671,384	855,725
Acquisition Adjustment	29	7,381,702	13,011	0	0	0	13,011
Total Electric Plant in Service		1,049,258,731	1,192,789	825,362	0	6,900,885	8,919,036

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Lighting Secondary Rate 41				Total Mun Lighting Sec Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	245,886	0	0	0	245,886
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	245,886	0	0	0	245,886
Transmission Plant	2	61,384,598	108,193	0	0	0	108,193
Distribution Plant							
Rights of Way	4	143,560	0	851	0	0	851
Station Equipment	4	16,362,608	0	96,992	0	0	96,992
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	45,348	0	199,071	244,419
Line Transformers	19	20,292,634	0	55,033	0	132,449	187,482
Services	10	15,950,026	0	0	0	122,934	122,934
Meters	8	4,667,223	0	0	0	16,448	16,448
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	424,111	424,111
Total Distribution Plant		103,585,934	0	198,224	0	895,013	1,093,237
General, Common & Intangible Plant	13	35,694,527	40,727	28,492	0	236,818	306,037
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	26,706	26,706
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	40,727	28,492	0	263,524	332,743
Acquisition Adjustment	29	7,381,181	13,010	0	0	0	13,010
Amort. - Power Plant Decommissioning	2	309,542	546	0	0	0	546
Less: Total Accumulated Reserve for Depreciation		353,029,026	408,362	226,716	0	1,158,537	1,793,615
Net Electric Plant in Service		696,229,705	784,427	598,646	0	5,742,348	7,125,421
Additions							
Materials & Supplies	13	13,868,468	15,824	11,070	0	92,011	118,905
Prepayments	26	1,105,632	1,257	870	0	7,272	9,399
Fuel Stocks	1	1,960,046	0	0	11,340	0	11,340
Unamortized Loss on Debt	26	838,282	953	659	0	5,513	7,125
Gain/(Loss) on Sale of Building	13	875,617	999	699	0	5,809	7,507
Unamortized Redemption of Preferred Stock	26	207,687	236	163	0	1,366	1,765
Provision for Pension & Benefits	23	15,608,892	15,886	11,579	0	104,840	132,305
Provision for Post Retirement	23	3,678,752	3,744	2,729	0	24,709	31,182
Total Additions		38,143,376	38,899	27,769	11,340	241,520	319,528
Total Before Deductions		734,373,081	823,326	626,415	11,340	5,983,868	7,444,949

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	Allocation Factor	Total North Dakota	Municipal Lighting Secondary Rate 41				Total Mun Lighting Sec Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	137,264	94,981	0	794,144	1,026,389
Customer Advances For Construction	26	1,447,877	1,646	1,139	0	9,523	12,308
Total Deductions		122,195,100	138,910	96,120	0	803,667	1,038,697
Total Rate Base		612,177,981	684,416	530,295	11,340	5,180,201	6,406,252
Rate of Return - Per Books		5.347%					9.63%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	899,801	0	899,801
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	0	899,801	0	899,801

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Lighting Secondary Rate 41				Total Mun Lighting Sec Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	237	237
NSF Check Fees	7	34,041	0	0	0	176	176
Other Miscellaneous Service Revenue	27	9,294	10	8	0	77	95
Rent from Electric Property							
Facilities Rental	27	1,250,571	1,409	1,075	0	10,314	12,798
Pole Attachments	15	77,937	0	77	0	337	414
Street Lights	Direct	903,186	0	0	0	903,186	903,186
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	31	0	0	0	31
Miscellaneous	27	17,621	20	15	0	145	180
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	1,324	0	11,005	12,329
Sales of Construction & Sundry Junk Material	14	43,398	0	98	0	816	914
Patronage Dividends	23	15,145	15	11	0	102	128
Joint Use Agreements	8	82,144	0	0	0	289	289
Big Stone Miscellaneous	29	207,328	365	0	0	0	365
Miscellaneous	23	70,310	72	52	0	472	596
Total Other Revenues		3,898,165	1,922	2,660	0	927,156	931,738
Total Operating Revenues		176,801,142	1,922	2,660	899,801	927,156	1,831,539

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Allocation Factor	Total North Dakota	Municipal Lighting Secondary Rate 41				Total Mun Lighting Sec Rate 41
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses						
Production Expense						
Fuel	1	18,235,994	0	105,507	0	105,507
Purchased Power - Energy	1	23,830,979	0	137,878	0	137,878
Purchased Power - Capacity	2	3,747,271	6,605	0	0	6,605
Other Production	2	13,324,439	23,485	0	0	23,485
Total Production Expense		59,138,683	30,090	243,385	0	273,475
Transmission Expense	2	6,495,412	11,448	0	0	11,448
Distribution Expense	14	11,249,462	0	25,463	211,642	237,105
Customer Accounts Expense	12	2,895,512	0	0	16,876	16,876
Customer Service & Info. Expense	12	256,354	0	0	1,494	1,494
Sales Expense	7	102,864	0	0	533	533
Administrative & General Expenses	24	21,440,879	21,821	15,906	144,012	181,739
Total Electric O&M Expenses		101,579,166	63,359	243,385	374,557	722,670
Total Operating Expenses						
Cost of Fuel & Purchased Power		45,814,244	6,605	243,385	0	249,990
Other O&M Expenses		55,764,922	56,754	41,369	374,557	472,680
Total Operation & Maintenance Expenses		101,579,166	63,359	243,385	374,557	722,670
Depreciation Expense						
Production Plant	2	9,835,190	17,335	0	0	17,335
Wind Production Plant	3	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	17,335	0	0	17,335
Transmission Plant	2	3,929,539	6,926	0	0	6,926
Distribution Plant						
Rights of Way	4	7,440	0	44	0	44
Station Equipment	4	2,351,115	0	13,937	0	13,937
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	4,908	21,547	26,455
Line Transformers	19	1,784,594	0	4,840	11,648	16,488
Services	10	880,074	0	0	6,783	6,783
Meters	8	404,962	0	0	1,427	1,427
Installation on Cust. Premises	Direct	52,082	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	160,497	160,497
Total Distribution Plant		10,628,911	0	23,729	201,902	225,631
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	5,131	3,590	29,835	38,556
Common - Intangible - CC&B & PCAD	6	650,395	0	0	3,362	3,362
Total Plant		5,147,330	5,131	3,590	33,197	41,918

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Lighting Secondary Rate 41				Total Mun Lighting Sec Rate 41
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	1,141	0	0	0	1,141
Amort. Of Preferred Stock Redemption	26	20,943	24	16	0	138	178
Total Depreciation Expense		30,209,497	30,557	27,335	0	235,237	293,129
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	4,137	0	0	0	4,137
Transmission Plant	30	1,221,216	2,152	0	0	0	2,152
Distribution Plant	14	1,519,173	0	3,439	0	28,581	32,020
General, Common & Intangible Plant	13	529,439	604	423	0	3,513	4,540
Total Ad Valorem Taxes		5,617,096	6,893	3,862	0	32,094	42,849
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	1,770	1,290	0	11,683	14,743
Total Taxes Other Than Income Taxes		7,356,417	8,663	5,152	0	43,777	57,592
Total Operating Expense		139,145,080	102,579	73,856	243,385	653,571	1,073,391
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	15,423	11,771	0	112,907	140,101
Taxable Income		23,966,736	(116,080)	(82,967)	656,416	160,678	618,047
Less: State Income Tax	44	1,032,966	(5,003)	(3,576)	28,292	6,925	26,638
Federal Taxable Income		22,933,770	(111,077)	(79,391)	628,124	153,753	591,409
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(23,326)	(16,672)	131,906	32,288	124,196
State Income Taxes	44	1,032,966	(5,003)	(3,576)	28,292	6,925	26,638
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(1,044)	(797)	0	(7,645)	(9,486)
Federal and State Income Taxes		4,922,147	(29,373)	(21,045)	160,198	31,568	141,348
Total Operating Expenses		144,067,227	73,206	52,811	403,583	685,139	1,214,739
Total Operating Income		32,733,915	(71,284)	(50,151)	496,218	242,017	616,800

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	3,467,680	0	0	0	3,467,680
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	3,467,680	0	0	0	3,467,680
Transmission Plant	2	235,301,764	2,190,337	0	0	0	2,190,337
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	37,166	0	0	37,166
Station Equipment	4	72,632,242	0	897,603	0	0	897,603
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	4,092	4,092
Demand Related 17%	4	25,579,643	0	316,118	0	0	316,118
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0	0
Services	10	27,193,804	0	0	0	0	0
Meters	8	12,509,383	0	0	0	42,056	42,056
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	1,250,887	0	46,148	1,297,035
General, Common & Intangible Plant	13	95,060,753	572,830	126,643	0	4,672	704,145
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	250	250
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	572,830	126,643	0	4,922	704,395
Acquisition Adjustment	29	7,381,702	68,714	0	0	0	68,714
Total Electric Plant in Service		1,049,258,731	6,299,561	1,377,530	0	51,070	7,728,161

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Allocation Factor	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	1,298,617	0	0	1,298,617
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	1,298,617	0	0	1,298,617
Transmission Plant	2	61,384,598	571,407	0	0	571,407
Distribution Plant						
Rights of Way	4	143,560	0	1,774	0	1,774
Station Equipment	4	16,362,608	0	202,212	0	202,212
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	94,542	1,224	95,766
Line Transformers	19	20,292,634	0	0	0	0
Services	10	15,950,026	0	0	0	0
Meters	8	4,667,223	0	0	15,691	15,691
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	298,528	16,915	315,443
General, Common & Intangible Plant	13	35,694,527	215,093	47,553	1,754	264,400
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	164	164
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	215,093	47,553	1,918	264,564
Acquisition Adjustment	29	7,381,181	68,709	0	0	68,709
Amort. - Power Plant Decommissioning	2	309,542	2,881	0	0	2,881
Less: Total Accumulated Reserve for Depreciation		353,029,026	2,156,707	346,081	18,833	2,521,621
Net Electric Plant in Service		696,229,705	4,142,854	1,031,449	32,237	5,206,540
Additions						
Materials & Supplies	13	13,868,468	83,571	18,476	682	102,729
Prepayments	26	1,105,632	6,638	1,452	54	8,144
Fuel Stocks	1	1,960,046	0	0	21,777	21,777
Unamortized Loss on Debt	26	838,282	5,033	1,101	41	6,175
Gain/(Loss) on Sale of Building	13	875,617	5,276	1,167	43	6,486
Unamortized Redemption of Preferred Stock	26	207,687	1,247	273	10	1,530
Provision for Pension & Benefits	23	15,608,892	83,899	19,326	862	104,087
Provision for Post Retirement	23	3,678,752	19,774	4,555	203	24,532
Total Additions		38,143,376	205,438	46,350	1,895	275,460
Total Before Deductions		734,373,081	4,348,292	1,077,799	34,132	5,482,000

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	Allocation Factor	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	724,945	158,524	0	5,877	889,346
Customer Advances For Construction	26	1,447,877	8,693	1,901	0	70	10,664
Total Deductions		122,195,100	733,638	160,425	0	5,947	900,010
Total Rate Base		612,177,981	3,614,654	917,374	21,777	28,185	4,581,990
Rate of Return - Per Books		5.347%					2.87%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	356,822	893,077	4,320	1,254,219
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	356,822	893,077	4,320	1,254,219

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	Allocation Factor	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	1	1
NSF Check Fees	7	34,041	0	0	0	1	1
Other Miscellaneous Service Revenue	27	9,294	55	14	0	0	69
Rent from Electric Property							
Facilities Rental	27	1,250,571	7,441	1,853	0	58	9,352
Pole Attachments	15	77,937	0	160	0	2	162
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	164	0	0	0	164
Miscellaneous	27	17,621	105	26	0	1	132
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	2,210	0	82	2,292
Sales of Construction & Sundry Junk Material	14	43,398	0	164	0	6	170
Patronage Dividends	23	15,145	81	19	0	1	101
Joint Use Agreements	8	82,144	0	0	0	276	276
Big Stone Miscellaneous	29	207,328	1,930	0	0	0	1,930
Miscellaneous	23	70,310	378	87	0	4	469
Total Other Revenues		3,898,165	10,154	4,533	0	432	15,119
Total Operating Revenues		176,801,142	10,154	361,355	893,077	4,752	1,269,338

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	Allocation Factor	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	202,610	0	202,610
Purchased Power - Energy	1	23,830,979	0	0	264,772	0	264,772
Purchased Power - Capacity	2	3,747,271	34,882	0	0	0	34,882
Other Production	2	13,324,439	124,032	0	0	0	124,032
Total Production Expense		59,138,683	158,914	0	467,382	0	626,296
Transmission Expense	2	6,495,412	60,463	0	0	0	60,463
Distribution Expense	14	11,249,462	0	42,498	0	1,568	44,066
Customer Accounts Expense	12	2,895,512	0	0	0	298	298
Customer Service & Info. Expense	12	256,354	0	0	0	26	26
Sales Expense	7	102,864	0	0	0	3	3
Administrative & General Expenses	24	21,440,879	115,247	26,547	0	1,184	142,978
Total Electric O&M Expenses		101,579,166	334,624	69,045	467,382	3,079	874,130
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	34,882	0	467,382	0	502,264
Other O&M Expenses		55,764,922	299,742	69,045	0	3,079	371,866
Total Operation & Maintenance Expenses		101,579,166	334,624	69,045	467,382	3,079	874,130
Depreciation Expense							
Production Plant	2	9,835,190	91,552	0	0	0	91,552
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	91,552	0	0	0	91,552
Transmission Plant	2	3,929,539	36,579	0	0	0	36,579
Distribution Plant							
Rights of Way	4	7,440	0	92	0	0	92
Station Equipment	4	2,351,115	0	29,056	0	0	29,056
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	10,233	0	132	10,365
Line Transformers	19	1,784,594	0	0	0	0	0
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	1,361	1,361
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	39,381	0	1,493	40,874
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	27,098	5,991	0	221	33,310
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	21	21
Total Plant		5,147,330	27,098	5,991	0	242	33,331

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	Allocation Factor	Total North Dakota	Municipal Pumping Primary Rate 48				Total Mun Pumping Pri Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	6,028	0	0	0	6,028
Amort. Of Preferred Stock Redemption	26	20,943	126	27	0	1	154
Total Depreciation Expense		30,209,497	161,383	45,399	0	1,736	208,518
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	21,850	0	0	0	21,850
Transmission Plant	30	1,221,216	11,368	0	0	0	11,368
Distribution Plant	14	1,519,173	0	5,739	0	212	5,951
General, Common & Intangible Plant	13	529,439	3,190	705	0	26	3,921
Total Ad Valorem Taxes		5,617,096	36,408	6,444	0	238	43,090
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	9,349	2,154	0	96	11,599
Total Taxes Other Than Income Taxes		7,356,417	45,757	8,598	0	334	54,689
Total Operating Expense		139,145,080	541,764	123,042	467,382	5,149	1,137,337
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	81,457	20,280	0	634	102,371
Taxable Income		23,966,736	(613,067)	218,033	425,695	(1,031)	29,630
Less: State Income Tax	44	1,032,966	(26,423)	9,397	18,347	(44)	1,277
Federal Taxable Income		22,933,770	(586,644)	208,636	407,348	(987)	28,353
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(123,195)	43,814	85,543	(207)	5,954
State Income Taxes	44	1,032,966	(26,423)	9,397	18,347	(44)	1,277
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(5,516)	(1,373)	0	(43)	(6,932)
Federal and State Income Taxes		4,922,147	(155,134)	51,838	103,890	(294)	299
Total Operating Expenses		144,067,227	386,630	174,880	571,272	4,855	1,137,636
Total Operating Income		32,733,915	(376,476)	186,475	321,805	(103)	131,702

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	Allocation Factor	Total North Dakota	Municipal Pumping Secondary Rate 48				Total
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Mun Pumping Sec Rate 48
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	3,116,785	0	0	0	3,116,785
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	3,116,785	0	0	0	3,116,785
Transmission Plant	2	235,301,764	1,968,697	0	0	0	1,968,697
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	23,869	0	0	23,869
Station Equipment	4	72,632,242	0	576,473	0	0	576,473
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	365,552	365,552
Demand Related 17%	4	25,579,643	0	203,022	0	0	203,022
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	648,393	648,393
Demand Related 36%	5	19,766,511	0	200,155	0	0	200,155
Services	10	27,193,804	0	0	0	139,279	139,279
Meters	8	12,509,383	0	0	0	125,524	125,524
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	1,003,519	0	1,278,748	2,282,267
General, Common & Intangible Plant	13	95,060,753	514,865	101,598	0	129,463	745,926
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	22,349	22,349
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	514,865	101,598	0	151,812	768,275
Acquisition Adjustment	29	7,381,702	61,760	0	0	0	61,760
Total Electric Plant in Service		1,049,258,731	5,662,107	1,105,117	0	1,430,560	8,197,784

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Allocation Factor	Total North Dakota	Municipal Pumping Secondary Rate 48				Total Mun Pumping Sec Rate 48
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	1,167,210	0	0	1,167,210
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	1,167,210	0	0	1,167,210
Transmission Plant	2	61,384,598	513,586	0	0	513,586
Distribution Plant						
Rights of Way	4	143,560	0	1,139	0	1,139
Station Equipment	4	16,362,608	0	129,868	0	129,868
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	60,718	109,326	170,044
Line Transformers	19	20,292,634	0	73,686	238,702	312,388
Services	10	15,950,026	0	0	81,692	81,692
Meters	8	4,667,223	0	0	46,833	46,833
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	265,411	476,553	741,964
General, Common & Intangible Plant	13	35,694,527	193,328	38,149	48,612	280,089
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	14,667	14,667
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	193,328	38,149	63,279	294,756
Acquisition Adjustment	29	7,381,181	61,756	0	0	61,756
Amort. - Power Plant Decommissioning	2	309,542	2,590	0	0	2,590
Less: Total Accumulated Reserve for Depreciation		353,029,026	1,938,470	303,560	539,832	2,781,862
Net Electric Plant in Service		696,229,705	3,723,637	801,557	890,728	5,415,922
Additions						
Materials & Supplies	13	13,868,468	75,114	14,822	18,887	108,823
Prepayments	26	1,105,632	5,966	1,164	1,507	8,637
Fuel Stocks	1	1,960,046	0	0	20,884	20,884
Unamortized Loss on Debt	26	838,282	4,524	883	1,143	6,550
Gain/(Loss) on Sale of Building	13	875,617	4,742	936	1,193	6,871
Unamortized Redemption of Preferred Stock	26	207,687	1,121	219	283	1,623
Provision for Pension & Benefits	23	15,608,892	75,410	15,504	26,296	117,210
Provision for Post Retirement	23	3,678,752	17,773	3,654	6,198	27,625
Total Additions		38,143,376	184,650	37,182	55,507	298,223
Total Before Deductions		734,373,081	3,908,287	838,739	946,235	5,714,145

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	Allocation Factor	Total North Dakota	Municipal Pumping Secondary Rate 48				Total Mun Pumping Sec Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	651,587	127,176	0	164,627	943,390
Customer Advances For Construction	26	1,447,877	7,813	1,525	0	1,974	11,312
Total Deductions		122,195,100	659,400	128,701	0	166,601	954,702
Total Rate Base		612,177,981	3,248,887	710,038	20,884	779,634	4,759,443
Rate of Return - Per Books		5.347%					7.93%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	582,626	888,946	152,558	1,624,130
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	582,626	888,946	152,558	1,624,130

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Municipal Pumping Secondary Rate 48				Total Mun Pumping Sec Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	130	130
NSF Check Fees	7	34,041	0	0	0	97	97
Other Miscellaneous Service Revenue	27	9,294	50	11	0	12	73
Rent from Electric Property							
Facilities Rental	27	1,250,571	6,688	1,440	0	1,600	9,728
Pole Attachments	15	77,937	0	103	0	185	288
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	148	0	0	0	148
Miscellaneous	27	17,621	94	20	0	23	137
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	1,773	0	2,259	4,032
Sales of Construction & Sundry Junk Material	14	43,398	0	132	0	168	300
Patronage Dividends	23	15,145	73	15	0	26	114
Joint Use Agreements	8	82,144	0	0	0	824	824
Big Stone Miscellaneous	29	207,328	1,735	0	0	0	1,735
Miscellaneous	23	70,310	340	70	0	118	528
Total Other Revenues		3,898,165	9,128	3,564	0	5,442	18,134
Total Operating Revenues		176,801,142	9,128	586,190	888,946	158,000	1,642,264

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Secondary Rate 48 Energy	Secondary Rate 48 Customer	Total Mun Pumping Sec Rate 48
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	194,305	0	194,305
Purchased Power - Energy	1	23,830,979	0	0	253,920	0	253,920
Purchased Power - Capacity	2	3,747,271	31,352	0	0	0	31,352
Other Production	2	13,324,439	111,481	0	0	0	111,481
Total Production Expense		59,138,683	142,833	0	448,225	0	591,058
Transmission Expense							
	2	6,495,412	54,345	0	0	0	54,345
Distribution Expense							
	14	11,249,462	0	34,094	0	43,444	77,538
Customer Accounts Expense	12	2,895,512	0	0	0	12,942	12,942
Customer Service & Info. Expense	12	256,354	0	0	0	1,146	1,146
Sales Expense	7	102,864	0	0	0	293	293
Administrative & General Expenses	24	21,440,879	103,585	21,297	0	36,121	161,003
Total Electric O&M Expenses		101,579,166	300,763	55,391	448,225	93,946	898,325
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	31,352	0	448,225	0	479,577
Other O&M Expenses		55,764,922	269,411	55,391	0	93,946	418,748
Total Operation & Maintenance Expenses		101,579,166	300,763	55,391	448,225	93,946	898,325
Depreciation Expense							
Production Plant	2	9,835,190	82,288	0	0	0	82,288
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	82,288	0	0	0	82,288
Transmission Plant							
	2	3,929,539	32,877	0	0	0	32,877
Distribution Plant							
Rights of Way	4	7,440	0	59	0	0	59
Station Equipment	4	2,351,115	0	18,660	0	0	18,660
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	6,572	0	11,833	18,405
Line Transformers	19	1,784,594	0	6,480	0	20,992	27,472
Services	10	880,074	0	0	0	4,508	4,508
Meters	8	404,962	0	0	0	4,064	4,064
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	31,771	0	41,397	73,168
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	24,356	4,806	0	6,124	35,286
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	1,846	1,846
Total Plant		5,147,330	24,356	4,806	0	7,970	37,132

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	Allocation Factor	Total North Dakota	Municipal Pumping Secondary Rate 48				Total Mun Pumping Sec Rate 48
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	5,418	0	0	0	5,418
Amort. Of Preferred Stock Redemption	26	20,943	113	22	0	29	164
Total Depreciation Expense		30,209,497	145,052	36,599	0	49,396	231,047
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	19,639	0	0	0	19,639
Transmission Plant	30	1,221,216	10,218	0	0	0	10,218
Distribution Plant	14	1,519,173	0	4,604	0	5,867	10,471
General, Common & Intangible Plant	13	529,439	2,868	566	0	721	4,155
Total Ad Valorem Taxes		5,617,096	32,725	5,170	0	6,588	44,483
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	8,403	1,728	0	2,930	13,061
Total Taxes Other Than Income Taxes		7,356,417	41,128	6,898	0	9,518	57,544
Total Operating Expense		139,145,080	486,943	98,888	448,225	152,860	1,186,916
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	73,214	15,760	0	17,514	106,488
Taxable Income		23,966,736	(551,029)	471,542	440,721	(12,374)	348,860
Less: State Income Tax	44	1,032,966	(23,749)	20,323	18,995	(533)	15,036
Federal Taxable Income		22,933,770	(527,280)	451,219	421,726	(11,841)	333,824
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(110,729)	94,756	88,562	(2,487)	70,103
State Income Taxes	44	1,032,966	(23,749)	20,323	18,995	(533)	15,036
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(4,957)	(1,067)	0	(1,186)	(7,210)
Federal and State Income Taxes		4,922,147	(139,435)	114,012	107,557	(4,206)	77,929
Total Operating Expenses		144,067,227	347,508	212,900	555,782	148,654	1,264,845
Total Operating Income		32,733,915	(338,380)	373,290	333,164	9,346	377,419

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Rate Base

	Allocation Factor	Total North Dakota	Outdoor Lighting Rate 52				Total Outdoor Lighting Rate 52
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Electric Plant in Service							
Production Plant	2	372,523,090	350,079	0	0	0	350,079
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	350,079	0	0	0	350,079
Transmission Plant	2	235,301,764	221,125	0	0	0	221,125
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	10,263	0	0	10,263
Station Equipment	4	72,632,242	0	247,855	0	0	247,855
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	0	0
Demand Related 17%	4	25,579,643	0	87,290	0	0	87,290
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	174,585	174,585
Demand Related 36%	5	19,766,511	0	85,335	0	0	85,335
Services	10	27,193,804	0	0	0	73,291	73,291
Meters	8	12,509,383	0	0	0	46,300	46,300
Installation on Customer Premise	Direct	1,609,949	0	0	0	1,609,949	1,609,949
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	430,743	0	1,904,125	2,334,868
General, Common & Intangible Plant	13	95,060,753	57,830	43,609	0	192,778	294,217
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	15,511	15,511
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	57,830	43,609	0	208,289	309,728
Acquisition Adjustment	29	7,381,702	6,937	0	0	0	6,937
Total Electric Plant in Service		1,049,258,731	635,971	474,352	0	2,112,414	3,222,737

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	Allocation Factor	Total North Dakota	Outdoor Lighting Rate 52				Total Outdoor Lighting Rate 52
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	131,102	0	0	0	131,102
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	131,102	0	0	0	131,102
Transmission Plant	2	61,384,598	57,686	0	0	0	57,686
Distribution Plant							
Rights of Way	4	143,560	0	490	0	0	490
Station Equipment	4	16,362,608	0	55,837	0	0	55,837
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	26,106	0	0	26,106
Line Transformers	19	20,292,634	0	31,416	0	64,272	95,688
Services	10	15,950,026	0	0	0	42,987	42,987
Meters	8	4,667,223	0	0	0	17,274	17,274
Installation on Customer Premise	Direct	(339,370)	0	0	0	(339,370)	(339,370)
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	113,849	0	(214,837)	(100,988)
General, Common & Intangible Plant	13	35,694,527	21,715	16,375	0	72,386	110,476
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	10,179	10,179
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	21,715	16,375	0	82,565	120,655
Acquisition Adjustment	29	7,381,181	6,936	0	0	0	6,936
Amort. - Power Plant Decommissioning	2	309,542	291	0	0	0	291
Less: Total Accumulated Reserve for Depreciation		353,029,026	217,730	130,224	0	(132,272)	215,682
Net Electric Plant in Service		696,229,705	418,241	344,128	0	2,244,686	3,007,055
Additions							
Materials & Supplies	13	13,868,468	8,437	6,362	0	28,124	42,923
Prepayments	26	1,105,632	670	500	0	2,226	3,396
Fuel Stocks	1	1,960,046	0	0	3,731	0	3,731
Unamortized Loss on Debt	26	838,282	507	379	0	1,688	2,574
Gain/(Loss) on Sale of Building	13	875,617	533	402	0	1,776	2,711
Unamortized Redemption of Preferred Stock	26	207,687	126	94	0	418	638
Provision for Pension & Benefits	23	15,608,892	8,470	6,655	0	59,851	74,976
Provision for Post Retirement	23	3,678,752	1,996	1,568	0	14,106	17,670
Total Additions		38,143,376	20,739	15,960	3,731	108,189	148,619
Total Before Deductions		734,373,081	438,980	360,088	3,731	2,352,875	3,155,674

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	Allocation Factor	Total North Dakota	Outdoor Lighting Rate 52				Total Outdoor Lighting Rate 52
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	73,186	54,587	0	243,093	370,866
Customer Advances For Construction	26	1,447,877	878	655	0	2,915	4,448
Total Deductions		122,195,100	74,064	55,242	0	246,008	375,314
Total Rate Base		612,177,981	364,916	304,846	3,731	2,106,867	2,780,360
Rate of Return - Per Books		5.347%					7.60%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	362,968	0	362,968
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	0	362,968	0	362,968

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	Allocation Factor	Total North Dakota	Outdoor Lighting Rate 52				Total Outdoor Lighting Rate 52
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	0	0
NSF Check Fees	7	34,041	0	0	0	0	0
Other Miscellaneous Service Revenue	27	9,294	6	5	0	30	41
Rent from Electric Property							
Facilities Rental	27	1,250,571	751	618	0	4,032	5,401
Pole Attachments	15	77,937	0	44	0	0	44
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	360,800	360,800
Joint Use Facilities	30	17,644	17	0	0	0	17
Miscellaneous	27	17,621	11	9	0	57	77
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	761	0	3,364	4,125
Sales of Construction & Sundry Junk Material	14	43,398	0	56	0	250	306
Patronage Dividends	23	15,145	8	6	0	58	72
Joint Use Agreements	8	82,144	0	0	0	304	304
Big Stone Miscellaneous	29	207,328	195	0	0	0	195
Miscellaneous	23	70,310	38	30	0	270	338
Total Other Revenues		3,898,165	1,026	1,529	0	369,165	371,720
Total Operating Revenues		176,801,142	1,026	1,529	362,968	369,165	734,688

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	Allocation Factor	Total North Dakota	Outdoor Lighting Rate 52				Total Outdoor Lighting Rate 52
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	34,710	0	34,710
Purchased Power - Energy	1	23,830,979	0	0	45,360	0	45,360
Purchased Power - Capacity	2	3,747,271	3,521	0	0	0	3,521
Other Production	2	13,324,439	12,522	0	0	0	12,522
Total Production Expense		59,138,683	16,043	0	80,070	0	96,113
Transmission Expense	2	6,495,412	6,104	0	0	0	6,104
Distribution Expense	14	11,249,462	0	14,634	0	64,691	79,325
Customer Accounts Expense	12	2,895,512	0	0	0	61,479	61,479
Customer Service & Info. Expense	12	256,354	0	0	0	5,443	5,443
Sales Expense	7	102,864	0	0	0	0	0
Administrative & General Expenses	24	21,440,879	11,635	9,141	0	82,214	102,990
Total Electric O&M Expenses		101,579,166	33,782	23,775	80,070	213,827	351,454
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	3,521	0	80,070	0	83,591
Other O&M Expenses		55,764,922	30,261	23,775	0	213,827	267,863
Total Operation & Maintenance Expenses		101,579,166	33,782	23,775	80,070	213,827	351,454
Depreciation Expense							
Production Plant	2	9,835,190	9,243	0	0	0	9,243
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	9,243	0	0	0	9,243
Transmission Plant	2	3,929,539	3,693	0	0	0	3,693
Distribution Plant							
Rights of Way	4	7,440	0	25	0	0	25
Station Equipment	4	2,351,115	0	8,023	0	0	8,023
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	2,826	0	0	2,826
Line Transformers	19	1,784,594	0	2,763	0	5,652	8,415
Services	10	880,074	0	0	0	2,372	2,372
Meters	8	404,962	0	0	0	1,499	1,499
Installation on Cust. Premises	Direct	52,082	0	0	0	52,082	52,082
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	13,637	0	61,605	75,242
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	2,735	2,063	0	9,120	13,918
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	1,281	1,281
Total Plant		5,147,330	2,735	2,063	0	10,401	15,199

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	Allocation Factor	Total North Dakota	Outdoor Lighting Rate 52				Total Outdoor Lighting Rate 52
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	609	0	0	0	609
Amort. Of Preferred Stock Redemption	26	20,943	13	9	0	42	64
Total Depreciation Expense		30,209,497	16,293	15,709	0	72,048	104,050
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	2,206	0	0	0	2,206
Transmission Plant	30	1,221,216	1,148	0	0	0	1,148
Distribution Plant	14	1,519,173	0	1,976	0	8,736	10,712
General, Common & Intangible Plant	13	529,439	322	243	0	1,074	1,639
Total Ad Valorem Taxes		5,617,096	3,676	2,219	0	9,810	15,705
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	944	742	0	6,669	8,355
Total Taxes Other Than Income Taxes		7,356,417	4,620	2,961	0	16,479	24,060
Total Operating Expense		139,145,080	54,695	42,445	80,070	302,354	479,564
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	8,223	6,766	0	44,135	59,124
Taxable Income		23,966,736	(61,892)	(47,682)	282,898	22,676	196,000
Less: State Income Tax	44	1,032,966	(2,668)	(2,055)	12,193	977	8,447
Federal Taxable Income		22,933,770	(59,224)	(45,627)	270,705	21,699	187,553
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(12,437)	(9,582)	56,848	4,557	39,386
State Income Taxes	44	1,032,966	(2,668)	(2,055)	12,193	977	8,447
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(557)	(458)	0	(2,988)	(4,003)
Federal and State Income Taxes		4,922,147	(15,662)	(12,095)	69,041	2,546	43,830
Total Operating Expenses		144,067,227	39,033	30,350	149,111	304,900	523,394
Total Operating Income		32,733,915	(38,007)	(28,821)	213,857	64,265	211,294

**MONTANA-DAKOTA UTILITIES CO.
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Rate Base

Allocation Factor	Total North Dakota	Interruptible Demand Response Rate 38				Total IT Demand Response Rate 38
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Electric Plant in Service						
Production Plant						
Wind Production Plant	2	372,523,090	3,399,303	0	0	3,399,303
Total Production Plant	3	0	0	0	0	0
Transmission Plant						
Distribution Plant	2	235,301,764	2,147,147	0	0	2,147,147
Land & Rights of Way	4	3,007,365	0	62,407	0	62,407
Station Equipment	4	72,632,242	0	1,507,224	0	1,507,224
Poles, OH & UG Conductors & Conduit						
Customer Related 83%	7	128,514,594	0	0	5,455	5,455
Demand Related 17%	4	25,579,643	0	530,815	0	530,815
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0
Services	10	27,193,804	0	0	0	0
Meters	8	12,509,383	0	0	26,286	26,286
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	2,100,446	31,741	2,132,187
General, Common & Intangible Plant	13	95,060,753	561,535	212,654	0	777,403
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	335	335
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	561,535	212,654	3,549	777,738
Acquisition Adjustment	29	7,381,702	67,359	0	0	67,359
Total Electric Plant in Service		1,049,258,731	6,175,344	2,313,100	35,290	8,523,734

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Allocation Factor	Total North Dakota	Interruptible Demand Response Rate 38				Total IT Demand Response Rate 38
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation						
Production Plant	2	139,506,807	1,273,011	0	0	1,273,011
Wind Production Plant	3	0	0	0	0	0
Total Production Plant		139,506,807	1,273,011	0	0	1,273,011
Transmission Plant	2	61,384,598	560,139	0	0	560,139
Distribution Plant						
Rights of Way	4	143,560	0	2,979	0	2,979
Station Equipment	4	16,362,608	0	339,548	0	339,548
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	158,751	1,631	160,382
Line Transformers	19	20,292,634	0	0	0	0
Services	10	15,950,026	0	0	0	0
Meters	8	4,667,223	0	0	9,807	9,807
Installation on Customer Premise	Direct	(339,370)	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0
Total Distribution Plant		103,585,934	0	501,278	11,438	512,716
General, Common & Intangible Plant	13	35,694,527	210,852	79,850	1,207	291,909
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	219	219
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	210,852	79,850	1,426	292,128
Acquisition Adjustment	29	7,381,181	67,354	0	0	67,354
Amort. - Power Plant Decommissioning	2	309,542	2,825	0	0	2,825
Less: Total Accumulated Reserve for Depreciation		353,029,026	2,114,181	581,128	12,864	2,708,173
Net Electric Plant in Service		696,229,705	4,061,163	1,731,972	22,426	5,815,561
Additions						
Materials & Supplies	13	13,868,468	81,923	31,024	469	113,416
Prepayments	26	1,105,632	6,507	2,437	37	8,981
Fuel Stocks	1	1,960,046	0	0	29,530	29,530
Unamortized Loss on Debt	26	838,282	4,934	1,848	28	6,810
Gain/(Loss) on Sale of Building	13	875,617	5,171	1,959	30	7,161
Unamortized Redemption of Preferred Stock	26	207,687	1,221	458	7	1,686
Provision for Pension & Benefits	23	15,608,892	82,244	32,451	667	115,362
Provision for Post Retirement	23	3,678,752	19,384	7,648	157	27,189
Total Additions		38,143,376	201,384	77,825	1,395	310,135
Total Before Deductions		734,373,081	4,262,547	1,809,797	23,821	6,125,696

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		Interruptible Demand Response Rate 38				Total		
	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	IT Demand Response Rate 38	
Deductions								
	Accumulated Deferred Income Tax	26	120,747,223	710,649	266,189	0	4,061	980,899
	Customer Advances For Construction	26	1,447,877	8,521	3,192	0	49	11,762
Total Deductions			122,195,100	719,170	269,381	0	4,110	992,661
Total Rate Base			612,177,981	3,543,377	1,540,416	29,530	19,711	5,133,035
Rate of Return - Per Books			5.347%					11.63%
Electric Operating Revenues								
Retail Sales								
	Residential	Direct	69,769,528	0	0	0	0	0
	Small General Electric Service	Direct	10,032,962	0	0	0	0	0
	Irrigation	Direct	100,003	0	0	0	0	0
	Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
	Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
	TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
	TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
	Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
	Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
	Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
	Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
	Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
	Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
	Outdoor Lighting	Direct	362,968	0	0	0	0	0
	Interruptible Demand Response	Direct	2,099,767	0	995,184	1,097,443	7,140	2,099,767
	Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
	Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues			172,902,977	0	995,184	1,097,443	7,140	2,099,767

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	Allocation Factor	Total North Dakota	Interruptible Demand Response Rate 38				Total IT Demand Response Rate 38
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	2	2
NSF Check Fees	7	34,041	0	0	0	1	1
Other Miscellaneous Service Revenue	27	9,294	54	23	0	0	77
Rent from Electric Property							
Facilities Rental	27	1,250,571	7,295	3,111	0	40	10,446
Pole Attachments	15	77,937	0	268	0	3	271
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	161	0	0	0	161
Miscellaneous	27	17,621	103	44	0	1	148
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	3,711	0	56	3,767
Sales of Construction & Sundry Junk Material	14	43,398	0	275	0	4	279
Patronage Dividends	23	15,145	80	31	0	1	112
Joint Use Agreements	8	82,144	0	0	0	173	173
Big Stone Miscellaneous	29	207,328	1,892	0	0	0	1,892
Miscellaneous	23	70,310	370	146	0	3	519
Total Other Revenues		3,898,165	9,955	7,609	0	284	17,848
Total Operating Revenues		176,801,142	9,955	1,002,793	1,097,443	7,424	2,117,615

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		Interruptible Demand Response Rate 38					Total
	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	IT Demand Response Rate 38
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	274,741	0	274,741
Purchased Power - Energy	1	23,830,979	0	0	359,034	0	359,034
Purchased Power - Capacity	2	3,747,271	34,194	0	0	0	34,194
Other Production	2	13,324,439	121,587	0	0	0	121,587
Total Production Expense		59,138,683	155,781	0	633,775	0	789,556
Transmission Expense							
	2	6,495,412	59,271	0	0	0	59,271
Distribution Expense							
	14	11,249,462	0	71,361	0	1,078	72,439
Customer Accounts Expense	12	2,895,512	0	0	0	353	353
Customer Service & Info. Expense	12	256,354	0	0	0	31	31
Sales Expense	7	102,864	0	0	0	4	4
Administrative & General Expenses	24	21,440,879	112,975	44,576	0	916	158,467
Total Electric O&M Expenses		101,579,166	328,027	115,937	633,775	2,382	1,080,121
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	34,194	0	633,775	0	667,969
Other O&M Expenses		55,764,922	293,833	115,937	0	2,382	412,152
Total Operation & Maintenance Expenses		101,579,166	328,027	115,937	633,775	2,382	1,080,121
Depreciation Expense							
Production Plant	2	9,835,190	89,747	0	0	0	89,747
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	89,747	0	0	0	89,747
Transmission Plant		2	3,929,539	35,857	0	0	35,857
Distribution Plant							
Rights of Way	4	7,440	0	154	0	0	154
Station Equipment	4	2,351,115	0	48,789	0	0	48,789
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	17,183	0	177	17,360
Line Transformers	19	1,784,594	0	0	0	0	0
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	851	851
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	66,126	0	1,028	67,154
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs		13	4,496,935	26,563	10,060	152	36,775
Common - Intangible - CC&B & PCAD		6	650,395	0	0	28	28
Total Plant			5,147,330	26,563	10,060	180	36,803

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	Allocation Factor	Total North Dakota	Interruptible Demand Response Rate 38				Total IT Demand Response Rate 38
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	5,909	0	0	0	5,909
Amort. Of Preferred Stock Redemption	26	20,943	123	46	0	1	170
Total Depreciation Expense		30,209,497	158,199	76,232	0	1,209	235,640
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	21,419	0	0	0	21,419
Transmission Plant	30	1,221,216	11,144	0	0	0	11,144
Distribution Plant	14	1,519,173	0	9,637	0	146	9,783
General, Common & Intangible Plant	13	529,439	3,127	1,184	0	18	4,329
Total Ad Valorem Taxes		5,617,096	35,690	10,821	0	164	46,675
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	9,165	3,616	0	74	12,855
Total Taxes Other Than Income Taxes		7,356,417	44,855	14,437	0	238	59,530
Total Operating Expense		139,145,080	531,081	206,606	633,775	3,829	1,375,291
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	79,851	34,054	0	441	114,346
Taxable Income		23,966,736	(600,977)	762,133	463,668	3,154	627,978
Less: State Income Tax	44	1,032,966	(25,902)	32,848	19,984	136	27,066
Federal Taxable Income		22,933,770	(575,075)	729,285	443,684	3,018	600,912
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(120,766)	153,150	93,174	634	126,192
State Income Taxes	44	1,032,966	(25,902)	32,848	19,984	136	27,066
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(5,407)	(2,306)	0	(30)	(7,743)
Federal and State Income Taxes		4,922,147	(152,075)	183,692	113,158	740	145,515
Total Operating Expenses		144,067,227	379,006	390,298	746,933	4,569	1,520,806
Total Operating Income		32,733,915	(369,051)	612,495	350,510	2,855	596,809

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Allocation Factor	Total North Dakota	Contract - Tesoro				Total Contract - Tesoro
		Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Rate Base						
Electric Plant in Service						
Production Plant						
Wind Production Plant	2	372,523,090	13,022,878	0	0	13,022,878
Total Production Plant	3	0	0	0	0	0
		372,523,090	13,022,878	0	0	13,022,878
Transmission Plant	2	235,301,764	8,225,815	0	0	8,225,815
Distribution Plant						
Land & Rights of Way	4	3,007,365	0	88,397	0	88,397
Station Equipment	4	72,632,242	0	2,134,936	0	2,134,936
Poles, OH & UG Conductors & Conduit						
Customer Related 83%	7	128,514,594	0	0	1,364	1,364
Demand Related 17%	4	25,579,643	0	751,883	0	751,883
Line Transformers						
Customer Related 64%	11	35,354,826	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0
Services	10	27,193,804	0	0	0	0
Meters	8	12,509,383	0	0	16,233	16,233
Installation on Customer Premise	Direct	1,609,949	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0
Total Distribution Plant		331,118,734	0	2,975,216	17,597	2,992,813
General, Common & Intangible Plant	13	95,060,753	2,151,266	301,217	1,781	2,454,264
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	83	83
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	2,151,266	301,217	1,864	2,454,347
Acquisition Adjustment	29	7,381,702	258,053	0	0	258,053
Total Electric Plant in Service		1,049,258,731	23,658,012	3,276,433	19,461	26,953,906

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	Allocation Factor	Total North Dakota	Contract - Tesoro				Total Contract - Tesoro
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	4,876,960	0	0	0	4,876,960
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	4,876,960	0	0	0	4,876,960
Transmission Plant	2	61,384,598	2,145,918	0	0	0	2,145,918
Distribution Plant							
Rights of Way	4	143,560	0	4,220	0	0	4,220
Station Equipment	4	16,362,608	0	480,959	0	0	480,959
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	224,867	0	408	225,275
Line Transformers	19	20,292,634	0	0	0	0	0
Services	10	15,950,026	0	0	0	0	0
Meters	8	4,667,223	0	0	0	6,056	6,056
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	710,046	0	6,464	716,510
General, Common & Intangible Plant	13	35,694,527	807,782	113,104	0	669	921,555
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	55	55
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	807,782	113,104	0	724	921,610
Acquisition Adjustment	29	7,381,181	258,036	0	0	0	258,036
Amort. - Power Plant Decommissioning	2	309,542	10,821	0	0	0	10,821
Less: Total Accumulated Reserve for Depreciation		353,029,026	8,099,517	823,150	0	7,188	8,929,855
Net Electric Plant in Service		696,229,705	15,558,495	2,453,283	0	12,273	18,024,051
Additions							
Materials & Supplies	13	13,868,468	313,849	43,945	0	261	358,055
Prepayments	26	1,105,632	24,929	3,453	0	21	28,403
Fuel Stocks	1	1,960,046	0	0	90,605	0	90,605
Unamortized Loss on Debt	26	838,282	18,900	2,618	0	16	21,534
Gain/(Loss) on Sale of Building	13	875,617	19,816	2,775	0	16	22,607
Unamortized Redemption of Preferred Stock	26	207,687	4,682	649	0	4	5,335
Provision for Pension & Benefits	23	15,608,892	315,084	45,966	0	326	361,376
Provision for Post Retirement	23	3,678,752	74,260	10,833	0	77	85,170
Total Additions		38,143,376	771,520	110,239	90,605	721	973,085
Total Before Deductions		734,373,081	16,330,015	2,563,522	90,605	12,994	18,997,136

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	Allocation Factor	Total North Dakota	Contract - Tesoro				Total Contract - Tesoro
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	2,722,531	377,048	0	2,240	3,101,819
Customer Advances For Construction	26	1,447,877	32,646	4,521	0	26	37,193
Total Deductions		122,195,100	2,755,177	381,569	0	2,266	3,139,012
Total Rate Base		612,177,981	13,574,838	2,181,953	90,605	10,728	15,858,124
Rate of Return - Per Books		5.347%					3.79%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	1,145,936	3,727,070	1,200	4,874,206
Contract - Sabin	Direct	1,438,878	0	0	0	0	0
Total Electric Retail Sales Revenues		172,902,977	0	1,145,936	3,727,070	1,200	4,874,206

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	Allocation Factor	Total North Dakota	Contract - Tesoro				Total Contract - Tesoro
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	0	0
NSF Check Fees	7	34,041	0	0	0	0	0
Other Miscellaneous Service Revenue	27	9,294	208	33	0	0	241
Rent from Electric Property							
Facilities Rental	27	1,250,571	27,946	4,407	0	22	32,375
Pole Attachments	15	77,937	0	380	0	1	381
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	617	0	0	0	617
Miscellaneous	27	17,621	394	62	0	0	456
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	5,255	0	31	5,286
Sales of Construction & Sundry Junk Material	14	43,398	0	390	0	2	392
Patronage Dividends	23	15,145	305	45	0	0	350
Joint Use Agreements	8	82,144	0	0	0	106	106
Big Stone Miscellaneous	29	207,328	7,247	0	0	0	7,247
Miscellaneous	23	70,310	1,418	207	0	1	1,626
Total Other Revenues		3,898,165	38,135	10,779	0	163	49,077
Total Operating Revenues		176,801,142	38,135	1,156,715	3,727,070	1,363	4,923,283

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	Allocation Factor	Total North Dakota	Contract - Tesoro				Total Contract - Tesoro
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	842,979	0	842,979
Purchased Power - Energy	1	23,830,979	0	0	1,101,613	0	1,101,613
Purchased Power - Capacity	2	3,747,271	130,999	0	0	0	130,999
Other Production	2	13,324,439	465,803	0	0	0	465,803
Total Production Expense		59,138,683	596,802	0	1,944,592	0	2,541,394
Transmission Expense	2	6,495,412	227,071	0	0	0	227,071
Distribution Expense	14	11,249,462	0	101,080	0	598	101,678
Customer Accounts Expense	12	2,895,512	0	0	0	108	108
Customer Service & Info. Expense	12	256,354	0	0	0	10	10
Sales Expense	7	102,864	0	0	0	1	1
Administrative & General Expenses	24	21,440,879	432,811	63,140	0	448	496,399
Total Electric O&M Expenses		101,579,166	1,256,684	164,220	1,944,592	1,165	3,366,661
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	130,999	0	1,944,592	0	2,075,591
Other O&M Expenses		55,764,922	1,125,685	164,220	0	1,165	1,291,070
Total Operation & Maintenance Expenses		101,579,166	1,256,684	164,220	1,944,592	1,165	3,366,661
Depreciation Expense							
Production Plant	2	9,835,190	343,824	0	0	0	343,824
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	343,824	0	0	0	343,824
Transmission Plant	2	3,929,539	137,371	0	0	0	137,371
Distribution Plant							
Rights of Way	4	7,440	0	219	0	0	219
Station Equipment	4	2,351,115	0	69,107	0	0	69,107
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	24,338	0	44	24,382
Line Transformers	19	1,784,594	0	0	0	0	0
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	525	525
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	93,664	0	569	94,233
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	101,767	14,249	0	84	116,100
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	7	7
Total Plant		5,147,330	101,767	14,249	0	91	116,107

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Contract - Tesoro				Total Contract - Tesoro
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	22,639	0	0	0	22,639
Amort. Of Preferred Stock Redemption	26	20,943	472	65	0	0	537
Total Depreciation Expense		30,209,497	606,073	107,978	0	660	714,711
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	82,057	0	0	0	82,057
Transmission Plant	30	1,221,216	42,692	0	0	0	42,692
Distribution Plant	14	1,519,173	0	13,650	0	81	13,731
General, Common & Intangible Plant	13	529,439	11,981	1,678	0	10	13,669
Total Ad Valorem Taxes		5,617,096	136,730	15,328	0	91	152,149
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	35,110	5,122	0	36	40,268
Total Taxes Other Than Income Taxes		7,356,417	171,840	20,450	0	127	192,417
Total Operating Expense		139,145,080	2,034,597	292,648	1,944,592	1,952	4,273,789
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	305,913	48,237	0	241	354,391
Taxable Income		23,966,736	(2,302,375)	815,830	1,782,478	(830)	295,103
Less: State Income Tax	44	1,032,966	(99,232)	35,162	76,825	(36)	12,719
Federal Taxable Income		22,933,770	(2,203,143)	780,668	1,705,653	(794)	282,384
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(462,660)	163,940	358,187	(167)	59,302
State Income Taxes	44	1,032,966	(99,232)	35,162	76,825	(36)	12,719
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(20,713)	(3,266)	0	(16)	(23,995)
Federal and State Income Taxes		4,922,147	(582,605)	195,836	435,012	(219)	48,026
Total Operating Expenses		144,067,227	1,451,992	488,484	2,379,604	1,733	4,321,815
Total Operating Income		32,733,915	(1,413,857)	668,231	1,347,466	(370)	601,468

**MONTANA-DAKOTA UTILITIES CO.
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		Contract - Sabin					
	Allocation Factor	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Total Contract - Sabin
Rate Base							
Electric Plant in Service							
Production Plant	2	372,523,090	4,281,727	0	0	0	4,281,727
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		372,523,090	4,281,727	0	0	0	4,281,727
Transmission Plant	2	235,301,764	2,704,525	0	0	0	2,704,525
Distribution Plant							
Land & Rights of Way	4	3,007,365	0	47,935	0	0	47,935
Station Equipment	4	72,632,242	0	1,157,709	0	0	1,157,709
Poles, OH & UG Conductors & Conduit							
Customer Related 83%	7	128,514,594	0	0	0	1,364	1,364
Demand Related 17%	4	25,579,643	0	407,722	0	0	407,722
Line Transformers							
Customer Related 64%	11	35,354,826	0	0	0	0	0
Demand Related 36%	5	19,766,511	0	0	0	0	0
Services	10	27,193,804	0	0	0	0	0
Meters	8	12,509,383	0	0	0	6,549	6,549
Installation on Customer Premise	Direct	1,609,949	0	0	0	0	0
Street Light & Signal System	Direct	4,950,417	0	0	0	0	0
Total Distribution Plant		331,118,734	0	1,613,366	0	7,913	1,621,279
General, Common & Intangible Plant	13	95,060,753	707,303	163,341	0	801	871,445
Common - Intangible - CC&B & PCAD	6	7,872,688	0	0	0	83	83
General, Common & Intangible Plant, incl. CC&B & PCAD		102,933,441	707,303	163,341	0	884	871,528
Acquisition Adjustment	29	7,381,702	84,844	0	0	0	84,844
Total Electric Plant in Service		1,049,258,731	7,778,399	1,776,707	0	8,797	9,563,903

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	Allocation Factor	Total North Dakota	Contract - Sabin				Total Contract - Sabin
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Less: Accumulated Depreciation							
Production Plant	2	139,506,807	1,603,471	0	0	0	1,603,471
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant		139,506,807	1,603,471	0	0	0	1,603,471
Transmission Plant	2	61,384,598	705,547	0	0	0	705,547
Distribution Plant							
Rights of Way	4	143,560	0	2,289	0	0	2,289
Station Equipment	4	16,362,608	0	260,808	0	0	260,808
Poles, OH & UG Conductors & Conduit	15	46,085,142	0	121,939	0	407	122,346
Line Transformers	19	20,292,634	0	0	0	0	0
Services	10	15,950,026	0	0	0	0	0
Meters	8	4,667,223	0	0	0	2,444	2,444
Installation on Customer Premise	Direct	(339,370)	0	0	0	0	0
Street Light & Signal System	Direct	424,111	0	0	0	0	0
Total Distribution Plant		103,585,934	0	385,036	0	2,851	387,887
General, Common & Intangible Plant	13	35,694,527	265,587	61,332	0	301	327,220
Common - Intangible - CC&B & PCAD	6	5,166,437	0	0	0	55	55
General, Common & Intangible Plant, incl. CC&B & PCAD		40,860,964	265,587	61,332	0	356	327,275
Acquisition Adjustment	29	7,381,181	84,838	0	0	0	84,838
Amort. - Power Plant Decommissioning	2	309,542	3,558	0	0	0	3,558
Less: Total Accumulated Reserve for Depreciation		353,029,026	2,663,001	446,368	0	3,207	3,112,576
Net Electric Plant in Service		696,229,705	5,115,398	1,330,339	0	5,590	6,451,327
Additions							
Materials & Supplies	13	13,868,468	103,189	23,830	0	118	127,137
Prepayments	26	1,105,632	8,196	1,873	0	9	10,078
Fuel Stocks	1	1,960,046	0	0	24,928	0	24,928
Unamortized Loss on Debt	26	838,282	6,214	1,419	0	7	7,640
Gain/(Loss) on Sale of Building	13	875,617	6,516	1,505	0	7	8,028
Unamortized Redemption of Preferred Stock	26	207,687	1,540	352	0	2	1,894
Provision for Pension & Benefits	23	15,608,892	103,595	24,926	0	163	128,684
Provision for Post Retirement	23	3,678,752	24,416	5,874	0	38	30,328
Total Additions		38,143,376	253,666	59,779	24,928	344	338,717
Total Before Deductions		734,373,081	5,369,064	1,390,118	24,928	5,934	6,790,044

**MONTANA-DAKOTA UTILITIES CO.
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	Allocation Factor	Total North Dakota	Contract - Sabin				Total Contract - Sabin
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Deductions							
Accumulated Deferred Income Tax	26	120,747,223	895,126	204,461	0	1,012	1,100,599
Customer Advances For Construction	26	1,447,877	10,733	2,452	0	11	13,196
Total Deductions		122,195,100	905,859	206,913	0	1,023	1,113,795
Total Rate Base		612,177,981	4,463,205	1,183,205	24,928	4,911	5,676,249
Rate of Return - Per Books		5.347%					1.95%
Electric Operating Revenues							
Retail Sales							
Residential	Direct	69,769,528	0	0	0	0	0
Small General Electric Service	Direct	10,032,962	0	0	0	0	0
Irrigation	Direct	100,003	0	0	0	0	0
Large General Service - Primary	Direct	14,563,657	0	0	0	0	0
Large General Service - Secondary	Direct	60,580,979	0	0	0	0	0
TOD Large General Service - Primary	Direct	158,043	0	0	0	0	0
TOD Large General Service - Secondary	Direct	1,173,919	0	0	0	0	0
Space Heating - Secondary	Direct	3,608,230	0	0	0	0	0
Small Municipal Electric Service	Direct	281,253	0	0	0	0	0
Municipal Lighting - Primary	Direct	80,434	0	0	0	0	0
Municipal Lighting - Secondary	Direct	899,801	0	0	0	0	0
Municipal Pumping - Primary	Direct	1,254,219	0	0	0	0	0
Municipal Pumping - Secondary	Direct	1,624,130	0	0	0	0	0
Outdoor Lighting	Direct	362,968	0	0	0	0	0
Interruptible Demand Response	Direct	2,099,767	0	0	0	0	0
Contract - Tesoro	Direct	4,874,206	0	0	0	0	0
Contract - Sabin	Direct	1,438,878	0	398,219	1,039,459	1,200	1,438,878
Total Electric Retail Sales Revenues		172,902,977	0	398,219	1,039,459	1,200	1,438,878

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	Allocation Factor	Total North Dakota	Contract - Sabin				Total Contract - Sabin
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Other Revenue							
Miscellaneous							
Reconnect Fees	7	45,720	0	0	0	0	0
NSF Check Fees	7	34,041	0	0	0	0	0
Other Miscellaneous Service Revenue	27	9,294	68	18	0	0	86
Rent from Electric Property							
Facilities Rental	27	1,250,571	9,188	2,390	0	10	11,588
Pole Attachments	15	77,937	0	205	0	1	206
Street Lights	Direct	903,186	0	0	0	0	0
Yard Lights	Direct	360,800	0	0	0	0	0
Joint Use Facilities	30	17,644	202	0	0	0	202
Miscellaneous	27	17,621	129	33	0	0	162
Other Electric Revenues							
Late Payment Revenue	92	178,090	0	0	0	0	0
2-Year Average KVAR Penalty	14	584,936	0	2,849	0	14	2,863
Sales of Construction & Sundry Junk Material	14	43,398	0	211	0	1	212
Patronage Dividends	23	15,145	101	24	0	0	125
Joint Use Agreements	8	82,144	0	0	0	43	43
Big Stone Miscellaneous	29	207,328	2,383	0	0	0	2,383
Miscellaneous	23	70,310	467	112	0	1	580
Total Other Revenues		3,898,165	12,538	5,842	0	70	18,450
Total Operating Revenues		176,801,142	12,538	404,061	1,039,459	1,270	1,457,328

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
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	Allocation Factor	Total North Dakota	Contract - Sabin				Total Contract - Sabin
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Operation & Maintenance Expenses							
Production Expense							
Fuel	1	18,235,994	0	0	231,917	0	231,917
Purchased Power - Energy	1	23,830,979	0	0	303,070	0	303,070
Purchased Power - Capacity	2	3,747,271	43,071	0	0	0	43,071
Other Production	2	13,324,439	153,148	0	0	0	153,148
Total Production Expense		59,138,683	196,219	0	534,987	0	731,206
Transmission Expense	2	6,495,412	74,658	0	0	0	74,658
Distribution Expense	14	11,249,462	0	54,813	0	269	55,082
Customer Accounts Expense	12	2,895,512	0	0	0	81	81
Customer Service & Info. Expense	12	256,354	0	0	0	7	7
Sales Expense	7	102,864	0	0	0	1	1
Administrative & General Expenses	24	21,440,879	142,301	34,239	0	224	176,764
Total Electric O&M Expenses		101,579,166	413,178	89,052	534,987	582	1,037,799
Total Operating Expenses							
Cost of Fuel & Purchased Power		45,814,244	43,071	0	534,987	0	578,058
Other O&M Expenses		55,764,922	370,107	89,052	0	582	459,741
Total Operation & Maintenance Expenses		101,579,166	413,178	89,052	534,987	582	1,037,799
Depreciation Expense							
Production Plant	2	9,835,190	113,044	0	0	0	113,044
Wind Production Plant	3	0	0	0	0	0	0
Total Production Plant + Amor + Def. Gen.		9,835,190	113,044	0	0	0	113,044
Transmission Plant	2	3,929,539	45,165	0	0	0	45,165
Distribution Plant							
Rights of Way	4	7,440	0	120	0	0	120
Station Equipment	4	2,351,115	0	37,474	0	0	37,474
Poles, OH & UG Conductors & Conduit	15	4,988,147	0	13,198	0	44	13,242
Line Transformers	19	1,784,594	0	0	0	0	0
Services	10	880,074	0	0	0	0	0
Meters	8	404,962	0	0	0	212	212
Installation on Cust. Premises	Direct	52,082	0	0	0	0	0
Street Light & Signal Systems	Direct	160,497	0	0	0	0	0
Total Distribution Plant		10,628,911	0	50,792	0	256	51,048
General, Common & Intangible Plant & Amort of Gain/Loss on Bldgs	13	4,496,935	33,459	7,727	0	38	41,224
Common - Intangible - CC&B & PCAD	6	650,395	0	0	0	7	7
Total Plant		5,147,330	33,459	7,727	0	45	41,231

**MONTANA-DAKOTA UTILITIES CO.
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Embedded Class Cost of Service Study
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	Allocation Factor	Total North Dakota	Contract - Sabin				Total Contract - Sabin
			Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
Amort. Of Decomm. Of Power Plants	29	647,584	7,443	0	0	0	7,443
Amort. Of Preferred Stock Redemption	26	20,943	155	35	0	0	190
Total Depreciation Expense		30,209,497	199,266	58,554	0	301	258,121
Taxes Other Than Income							
Ad Valorem Taxes							
Production Plant	29	2,347,268	26,980	0	0	0	26,980
Transmission Plant	30	1,221,216	14,036	0	0	0	14,036
Distribution Plant	14	1,519,173	0	7,402	0	36	7,438
General, Common & Intangible Plant	13	529,439	3,939	910	0	4	4,853
Total Ad Valorem Taxes		5,617,096	44,955	8,312	0	40	53,307
Other Taxes							
Other Taxes - Payroll, Franchise, Other	23	1,739,321	11,544	2,777	0	18	14,339
Total Taxes Other Than Income Taxes		7,356,417	56,499	11,089	0	58	67,646
Total Operating Expense		139,145,080	668,943	158,695	534,987	941	1,363,566
Income Taxes							
Interest Expense, AFUDC Equity & Other Adjustments	27	13,689,326	100,580	26,157	0	110	126,847
Taxable Income		23,966,736	(756,985)	219,209	504,472	219	(33,085)
Less: State Income Tax	44	1,032,966	(32,626)	9,448	21,743	9	(1,426)
Federal Taxable Income		22,933,770	(724,359)	209,761	482,729	210	(31,659)
Federal Income Tax							
@ Current Rate of 21%	21.00%	4,816,092	(152,115)	44,050	101,373	44	(6,647)
State Income Taxes	44	1,032,966	(32,626)	9,448	21,743	9	(1,426)
Credits and Adjustments							
Plant Related Excess Deferred - ARAM	27	(926,911)	(6,810)	(1,771)	0	(7)	(8,588)
Federal and State Income Taxes		4,922,147	(191,551)	51,727	123,116	46	(16,661)
Total Operating Expenses		144,067,227	477,392	210,422	658,103	987	1,346,905
Total Operating Income		32,733,915	(464,854)	193,639	381,356	283	110,423

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
EMBEDDED CLASS COST OF SERVICE STUDY
Allocation Factor Report
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	1	2	3	4	5	6	7	8	9	10
		Residential Rate 10				Small General Rate 20				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
1 Energy at Generation Level	2,265,660,133 100.000000%	0 0.000000%	0 0.000000%	824,717,852 36.400775%	0 0.000000%	0 0.000000%	0 0.000000%	97,408,135 4.299327%	0 0.000000%	
2 Demand - 12 CP	376,261 100.000000%	155,515 41.331600%	0 0.000000%	0 0.000000%	0 0.000000%	17,841 4.741592%	0 0.000000%	0 0.000000%	0 0.000000%	
3 Demand/Energy for Wind	1,914,541,133 100.000000%	696,910,690 37.165053%	0 0.000000%	0 0.000000%	0 0.000000%	82,312,640 4.367878%	0 0.000000%	0 0.000000%	0 0.000000%	
4 NCP - Generation Level	576,973 100.000000%	0 0.000000%	226,790 39.306869%	0 0.000000%	0 0.000000%	0 0.000000%	31,138 5.396749%	0 0.000000%	0 0.000000%	
5 NCP - Secondary Level	399,643 100.000000%	0 0.000000%	200,414 50.148226%	0 0.000000%	0 0.000000%	0 0.000000%	27,516 6.885245%	0 0.000000%	0 0.000000%	
6 Total Customers	94,405 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	78,726 83.391771%	0 0.000000%	0 0.000000%	0 0.000000%	10,179 10.782268%	
7 Total Customers less Rate 52	94,219 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	78,726 83.556396%	0 0.000000%	0 0.000000%	0 0.000000%	10,179 10.803554%	
8 Weighted Customer Meters	135,634 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	80,009 58.988896%	0 0.000000%	0 0.000000%	0 0.000000%	17,227 12.701093%	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
EMBEDDED CLASS COST OF SERVICE STUDY
Allocation Factor Report
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	1	2	3	4	5	6	7	8	9	10
		Residential Rate 10				Small General Rate 20				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
	100,552	0	0	0	80,009	0	0	0	9,906	
10 Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	79.569775%	0.000000%	0.000000%	0.000000%	9.851619%	
	150,058	0	0	0	78,726	0	0	0	29,010	
11 Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	52.463713%	0.000000%	0.000000%	0.000000%	19.332525%	
	106,722	0	0	0	78,726	0	0	0	12,011	
12 Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	73.767357%	0.000000%	0.000000%	0.000000%	11.254474%	
	938,943,588	251,223,737	49,698,673	0	154,947,813	28,820,575	6,823,522	0	24,986,983	
13 Production, Transmission, & Distribution Plant	100.000000%	26.755999%	5.293041%	0.000000%	16.502357%	3.069468%	0.726723%	0.000000%	2.661181%	
	331,118,734	0	49,698,673	0	154,947,813	0	6,823,522	0	24,986,983	
14 Distribution Plant	100.000000%	0.000000%	15.009321%	0.000000%	46.795242%	0.000000%	2.060748%	0.000000%	7.546231%	
	154,094,237	0	10,054,557	0	107,382,163	0	1,380,469	0	13,884,144	
15 Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	6.524940%	0.000000%	69.686034%	0.000000%	0.895860%	0.000000%	9.010164%	
	55,121,337	0	9,912,555	0	18,548,454	0	1,360,973	0	6,834,981	
19 Line Transformers	100.000000%	0.000000%	17.983155%	0.000000%	33.650225%	0.000000%	2.469050%	0.000000%	12.399882%	
	55,764,922	13,308,996	2,743,188	0	12,469,615	1,526,819	376,634	0	1,973,556	
23 O & M Excluding Fuel & Purch. Power	100.000000%	23.866251%	4.919200%	0.000000%	22.361037%	2.737956%	0.675396%	0.000000%	3.539063%	
	34,324,043	8,191,862	1,688,468	0	7,675,212	939,777	231,823	0	1,214,750	
24 O & M Excluding Fuel, Purch. Power and A&G	100.000000%	23.866251%	4.919199%	0.000000%	22.361037%	2.737955%	0.675395%	0.000000%	3.539064%	

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	1	2	3	4	5	6	7	8	9	10
		Residential Rate 10				Small General Rate 20				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
26 Total Electric Plant in Service	1,049,258,731 100.000000%	279,709,167 26.657789%	54,730,278 5.216090%	0 0.000000%	177,200,252 16.88814%	32,088,444 3.058202%	7,514,350 0.716158%	0 0.000000%	28,365,576 2.703392%	
27 Net Electric Plant in Service	696,229,705 100.000000%	183,948,409 26.420649%	39,696,610 5.701654%	0 0.000000%	112,613,463 16.174758%	21,102,699 3.030997%	5,450,260 0.782825%	0 0.000000%	18,025,887 2.589073%	
29 Production Plant	372,523,090 100.000000%	153,969,753 41.331600%	0 0.000000%	0 0.000000%	0 0.000000%	17,663,525 4.741592%	0 0.000000%	0 0.000000%	0 0.000000%	
30 Transmission Plant	235,301,764 100.000000%	97,253,984 41.331600%	0 0.000000%	0 0.000000%	0 0.000000%	11,157,050 4.741592%	0 0.000000%	0 0.000000%	0 0.000000%	
44 Taxable Income	23,966,736 100.000000%	(27,221,013) -113.578307%	(5,501,463) -22.954578%	41,139,185 171.651179%	(7,989,851) -33.337251%	(3,122,815) -13.029788%	(755,340) -3.151618%	4,934,036 20.587017%	(117,581) -0.490601%	
90 BSC/Energy/Demand Revenue	122,595,338 100.000000%	0 0.000000%	0 0.000000%	37,772,699 30.810878%	13,461,368 10.980326%	0 0.000000%	0 0.000000%	4,553,393 3.714166%	3,290,329 2.683894%	
91 Billed Demand KW	3,497,016 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	
92 Residential Sales Revenues	69,769,528 100.000000%	0 0.000000%	0 0.000000%	56,308,160 80.705949%	13,461,368 19.294051%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	

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	1	2	11	12	13	14	15	16	17	18
			Irrigation Rate 25				Large General Primary Rate 30			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
1 Energy at Generation Level	2,265,660,133 100.000000%	0 0.000000%	0 0.000000%	1,703,995 0.075210%	0 0.000000%	0 0.000000%	0 0.000000%	242,389,827 10.698420%	0 0.000000%	
2 Demand - 12 CP	376,261 100.000000%	251 0.066770%	0 0.000000%	0 0.000000%	0 0.000000%	36,975 9.826928%	0 0.000000%	0 0.000000%	0 0.000000%	
3 Demand/Energy for Wind	1,914,541,133 100.000000%	1,439,915 0.073902%	0 0.000000%	0 0.000000%	0 0.000000%	204,825,135 10.563339%	0 0.000000%	0 0.000000%	0 0.000000%	
4 NCP - Generation Level	576,973 100.000000%	0 0.000000%	2,816 0.488100%	0 0.000000%	0 0.000000%	0 0.000000%	78,633 13.628503%	0 0.000000%	0 0.000000%	
5 NCP - Secondary Level	399,643 100.000000%	0 0.000000%	2,489 0.622725%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	
6 Total Customers	94,405 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	33 0.034956%	0 0.000000%	0 0.000000%	0 0.000000%	36 0.038134%	
7 Total Customers less Rate 52	94,219 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	33 0.035025%	0 0.000000%	0 0.000000%	0 0.000000%	36 0.038209%	
8 Weighted Customer Meters	135,634 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	137 0.101007%	0 0.000000%	0 0.000000%	0 0.000000%	2,552 1.881534%	

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	1	2	11	12	13	14	15	16	17	18
		Irrigation Rate 25				Large General Primary Rate 30				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
10 Weighted Customer Services	100,552 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	55 0.054698%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%
11 Weighted Customer Transformers	150,058 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	562 0.374522%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%
12 Weighted Customer Accounts	106,722 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	72 0.067465%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	104 0.097449%
13 Production, Transmission, & Distribution Plant	938,943,588 100.000000%	405,845 0.043224%	617,142 0.065727%	0 0.000000%	204,933 0.021827%	59,730,511 6.361459%	13,794,668 1.469169%	0 0.000000%	0 0.000000%	284,472 0.030298%
14 Distribution Plant	331,118,734 100.000000%	0 0.000000%	617,142 0.186381%	0 0.000000%	204,933 0.061891%	0 0.000000%	13,794,668 4.166079%	0 0.000000%	0 0.000000%	284,472 0.085912%
15 Poles, OH & UG Conductor & Conduit	154,094,237 100.000000%	0 0.000000%	124,854 0.081024%	0 0.000000%	45,012 0.029211%	0 0.000000%	3,486,122 2.262331%	0 0.000000%	0 0.000000%	49,104 0.031866%
19 Line Transformers	55,121,337 100.000000%	0 0.000000%	123,091 0.223309%	0 0.000000%	132,412 0.240219%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%
23 O & M Excluding Fuel & Purch. Power	55,764,922 100.000000%	21,501 0.038556%	34,064 0.061085%	0 0.000000%	14,823 0.026581%	3,164,322 5.674395%	761,415 1.365401%	0 0.000000%	0 0.000000%	20,757 0.037222%
24 O & M Excluding Fuel, Purch. Power and A&G	34,324,043 100.000000%	13,234 0.038556%	20,967 0.061085%	0 0.000000%	9,124 0.026582%	1,947,682 5.674396%	468,661 1.365402%	0 0.000000%	0 0.000000%	12,776 0.037222%

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	1	2	11	12	13	14	15	16	17	18
			Irrigation Rate 25				Large General Primary Rate 30			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
26 Total Electric Plant in Service	1,049,258,731	451,863	679,623	0	228,434	66,503,157	15,191,271	0	316,276	
	100.000000%	0.043065%	0.064772%	0.000000%	0.021771%	6.338109%	1.447810%	0.000000%	0.030143%	
27 Net Electric Plant in Service	696,229,705	297,164	492,940	0	143,190	43,735,250	11,374,716	0	200,991	
	100.000000%	0.042682%	0.070801%	0.000000%	0.020567%	6.281727%	1.633759%	0.000000%	0.028868%	
29 Production Plant	372,523,090	248,734	0	0	0	36,607,576	0	0	0	
	100.000000%	0.066770%	0.000000%	0.000000%	0.000000%	9.826928%	0.000000%	0.000000%	0.000000%	
30 Transmission Plant	235,301,764	157,111	0	0	0	23,122,935	0	0	0	
	100.000000%	0.066770%	0.000000%	0.000000%	0.000000%	9.826928%	0.000000%	0.000000%	0.000000%	
44 Taxable Income	23,966,736	(43,974)	(36,373)	9,594	633	(6,472,019)	4,847,524	3,637,072	12,896	
	100.000000%	-0.183479%	-0.151765%	0.040030%	0.002641%	-27.004174%	20.226050%	15.175500%	0.053808%	
90 BSC/Energy/Demand Revenue	122,595,338	0	31,943	2,934	26,828	0	6,098,111	3,202,485	48,000	
	100.000000%	0.000000%	0.026056%	0.002393%	0.021883%	0.000000%	4.974179%	2.612240%	0.039153%	
91 Billed Demand KW	3,497,016	0	10,041	0	0	0	507,096	0	0	
	100.000000%	0.000000%	0.287118%	0.000000%	0.000000%	0.000000%	14.500808%	0.000000%	0.000000%	
92 Residential Sales Revenues	69,769,528	0	0	0	0	0	0	0	0	
	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	

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	1	2	19	20	21	22	24	25	26	27
		Large General Secondary Rate 30				TOD Large General Rate 31 Primary				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
1 Energy at Generation Level	2,265,660,133 100.000000%	0 0.000000%	0 0.000000%	780,794,061 34.462100%	0 0.000000%	0 0.000000%	0 0.000000%	2,652,027 0.117053%	0 0.000000%	
2 Demand - 12 CP	376,261 100.000000%	125,913 33.464222%	0 0.000000%	0 0.000000%	0 0.000000%	405 0.107512%	0 0.000000%	0 0.000000%	0 0.000000%	
3 Demand/Energy for Wind	1,914,541,133 100.000000%	659,790,498 34.307429%	0 0.000000%	0 0.000000%	0 0.000000%	2,241,026 0.115574%	0 0.000000%	0 0.000000%	0 0.000000%	
4 NCP - Generation Level	576,973 100.000000%	0 0.000000%	155,674 26.981140%	0 0.000000%	0 0.000000%	0 0.000000%	432 0.074832%	0 0.000000%	0 0.000000%	
5 NCP - Secondary Level	399,643 100.000000%	0 0.000000%	137,569 34.422899%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	
6 Total Customers	94,405 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	4,123 4.367353%	0 0.000000%	0 0.000000%	0 0.000000%	1 0.001059%	
7 Total Customers less Rate 52	94,219 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	4,123 4.375975%	0 0.000000%	0 0.000000%	0 0.000000%	1 0.001061%	
8 Weighted Customer Meters	135,634 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	28,395 20.935016%	0 0.000000%	0 0.000000%	0 0.000000%	72 0.053084%	

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	1	2	19	20	21	22	24	25	26	27
		Large General Secondary Rate 30				TOD Large General Rate 31 Primary				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
	100,552	0	0	0	8,634	0	0	0	0	0
10 Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	8.586602%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	150,058	0	0	0	35,087	0	0	0	0	0
11 Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	23.382292%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	106,722	0	0	0	9,483	0	0	0	0	6
12 Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	8.885703%	0.000000%	0.000000%	0.000000%	0.000000%	0.005622%
	938,943,588	203,403,859	34,114,313	0	18,844,401	653,485	75,744	0	8,004	
13 Production, Transmission, & Distribution Plant	100.000000%	21.663054%	3.633265%	0.000000%	2.006979%	0.069598%	0.008067%	0.000000%	0.000852%	
	331,118,734	0	34,114,313	0	18,844,401	0	75,744	0	8,004	
14 Distribution Plant	100.000000%	0.000000%	10.302743%	0.000000%	5.691131%	0.000000%	0.022875%	0.000000%	0.002417%	
	154,094,237	0	6,901,679	0	5,623,767	0	19,142	0	1,364	
15 Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	4.478869%	0.000000%	3.649563%	0.000000%	0.012422%	0.000000%	0.000885%	
	55,121,337	0	6,804,206	0	8,266,769	0	0	0	0	0
19 Line Transformers	100.000000%	0.000000%	12.344051%	0.000000%	14.997403%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	55,764,922	10,775,658	1,882,987	0	1,502,468	34,618	4,180	0	731	
23 O & M Excluding Fuel & Purch. Power	100.000000%	19.323362%	3.376651%	0.000000%	2.694289%	0.062078%	0.007496%	0.000000%	0.001311%	
	34,324,043	6,632,559	1,159,003	0	924,789	21,308	2,573	0	450	
24 O & M Excluding Fuel, Purch. Power and A&G	100.000000%	19.323362%	3.376651%	0.000000%	2.694289%	0.062079%	0.007496%	0.000000%	0.001311%	

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	1	2	19	20	21	22	24	25	26	27
		Large General Secondary Rate 30				TOD Large General Rate 31 Primary				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
26 Total Electric Plant in Service	1,049,258,731 100.000000%	226,467,150 21.583537%	37,568,122 3.580444%	0 0.000000%	21,096,078 2.010570%	727,581 0.069342%	83,413 0.007950%	0 0.000000%	8,897 0.000848%	
27 Net Electric Plant in Service	696,229,705 100.000000%	148,934,238 21.391537%	27,248,667 3.913747%	0 0.000000%	13,082,136 1.878997%	478,486 0.068725%	62,458 0.008971%	0 0.000000%	5,652 0.000812%	
29 Production Plant	372,523,090 100.000000%	124,661,954 33.464222%	0 0.000000%	0 0.000000%	0 0.000000%	400,507 0.107512%	0 0.000000%	0 0.000000%	0 0.000000%	
30 Transmission Plant	235,301,764 100.000000%	78,741,905 33.464222%	0 0.000000%	0 0.000000%	0 0.000000%	252,978 0.107512%	0 0.000000%	0 0.000000%	0 0.000000%	
44 Taxable Income	23,966,736 100.000000%	(22,039,555) -91.958934%	20,691,701 86.335081%	18,546,793 77.385561%	521,837 2.177339%	(70,808) -0.295443%	59,221 0.247097%	40,013 0.166952%	24 0.000100%	
90 BSC/Energy/Demand Revenue	122,595,338 100.000000%	0 0.000000%	23,251,782 18.966286%	16,847,213 13.742132%	3,068,991 2.503350%	0 0.000000%	64,936 0.052968%	35,258 0.028760%	1,164 0.000949%	
91 Billed Demand KW	3,497,016 100.000000%	0 0.000000%	2,202,914 62.994112%	0 0.000000%	0 0.000000%	0 0.000000%	4,870 0.139250%	0 0.000000%	0 0.000000%	
92 Residential Sales Revenues	69,769,528 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	

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	1	2	28	29	30	31	32	33	34	35
			TOD Large General Rate 31 Secondary				Space Heating Rate 32			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
		2,265,660,133	0	0	14,965,932	0	0	0	61,823,553	0
		100.000000%	0.000000%	0.000000%	0.660555%	0.000000%	0.000000%	0.000000%	2.728721%	0.000000%
		376,261	2,413	0	0	0	7,707	0	0	0
		100.000000%	0.641391%	0.000000%	0.000000%	0.000000%	2.048257%	0.000000%	0.000000%	0.000000%
		1,914,541,133	12,646,587	0	0	0	52,242,097	0	0	0
		100.000000%	0.657585%	0.000000%	0.000000%	0.000000%	2.623249%	0.000000%	0.000000%	0.000000%
		576,973	0	2,984	0	0	0	21,088	0	0
		100.000000%	0.000000%	0.517158%	0.000000%	0.000000%	0.000000%	3.654927%	0.000000%	0.000000%
		399,643	0	2,637	0	0	0	18,635	0	0
		100.000000%	0.000000%	0.659797%	0.000000%	0.000000%	0.000000%	4.663005%	0.000000%	0.000000%
		94,405	0	0	0	47	0	0	0	33
		100.000000%	0.000000%	0.000000%	0.000000%	0.049785%	0.000000%	0.000000%	0.000000%	0.034956%
		94,219	0	0	0	47	0	0	0	33
		100.000000%	0.000000%	0.000000%	0.000000%	0.049884%	0.000000%	0.000000%	0.000000%	0.035025%
		135,634	0	0	0	311	0	0	0	3,053
		100.000000%	0.000000%	0.000000%	0.000000%	0.229294%	0.000000%	0.000000%	0.000000%	2.250911%

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	1	2	28	29	30	31	32	33	34	35
			TOD Large General Rate 31 Secondary				Space Heating Rate 32			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
	100,552	0	0	0	113	0	0	0	0	0
10 Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	0.112380%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	150,058	0	0	0	420	0	0	0	0	0
11 Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	0.279892%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	106,722	0	0	0	199	0	0	0	2,412	
12 Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	0.186466%	0.000000%	0.000000%	0.000000%	2.260078%	
	938,943,588	3,898,534	653,882	0	222,306	12,449,815	4,621,202	0	326,587	
13 Production, Transmission, & Distribution Plant	100.000000%	0.415204%	0.069640%	0.000000%	0.023676%	1.325939%	0.492170%	0.000000%	0.034782%	
	331,118,734	0	653,882	0	222,306	0	4,621,202	0	326,587	
14 Distribution Plant	100.000000%	0.000000%	0.197477%	0.000000%	0.067138%	0.000000%	1.395633%	0.000000%	0.098631%	
	154,094,237	0	132,287	0	64,108	0	934,917	0	45,012	
15 Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	0.085848%	0.000000%	0.041603%	0.000000%	0.606718%	0.000000%	0.029211%	
	55,121,337	0	130,419	0	98,955	0	921,713	0	0	
19 Line Transformers	100.000000%	0.000000%	0.236603%	0.000000%	0.179522%	0.000000%	1.672153%	0.000000%	0.000000%	
	55,764,922	206,532	36,092	0	21,902	659,551	255,073	0	133,817	
23 O & M Excluding Fuel & Purch. Power	100.000000%	0.370362%	0.064722%	0.000000%	0.039276%	1.182735%	0.457408%	0.000000%	0.239966%	
	34,324,043	127,123	22,215	0	13,481	405,962	157,001	0	82,366	
24 O & M Excluding Fuel, Purch. Power and A&G	100.000000%	0.370361%	0.064721%	0.000000%	0.039276%	1.182734%	0.457408%	0.000000%	0.239966%	

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EMBEDDED CLASS COST OF SERVICE STUDY
Allocation Factor Report
Projected 2023**

	1	2	28	29	30	31	32	33	34	35
			TOD Large General Rate 31 Secondary				Space Heating Rate 32			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
26 Total Electric Plant in Service	1,049,258,731 100.000000%	4,340,576 0.413680%	720,082 0.068628%	0 0.000000%	248,732 0.023705%	13,861,459 1.321072%	5,089,063 0.485015%	0 0.000000%	362,403 0.034539%	
27 Net Electric Plant in Service	696,229,705 100.000000%	2,854,545 0.410000%	522,285 0.075016%	0 0.000000%	153,479 0.022044%	9,115,873 1.309320%	3,691,166 0.530165%	0 0.000000%	229,665 0.032987%	
29 Production Plant	372,523,090 100.000000%	2,389,330 0.641391%	0 0.000000%	0 0.000000%	0 0.000000%	7,630,230 2.048257%	0 0.000000%	0 0.000000%	0 0.000000%	
30 Transmission Plant	235,301,764 100.000000%	1,509,204 0.641391%	0 0.000000%	0 0.000000%	0 0.000000%	4,819,585 2.048257%	0 0.000000%	0 0.000000%	0 0.000000%	
44 Taxable Income	23,966,736 100.000000%	(422,423) -1.762539%	423,133 1.765501%	355,601 1.483727%	10,587 0.044174%	(1,348,985) -5.628572%	276,214 1.152489%	1,520,619 6.344706%	(1,456) -0.006075%	
90 BSC/Energy/Demand Revenue	122,595,338 100.000000%	0 0.000000%	474,070 0.386695%	323,025 0.263489%	44,928 0.036647%	0 0.000000%	722,295 0.589170%	1,386,045 1.130585%	151,956 0.123949%	
91 Billed Demand KW	3,497,016 100.000000%	0 0.000000%	38,840 1.110670%	0 0.000000%	0 0.000000%	0 0.000000%	270,438 7.733384%	0 0.000000%	0 0.000000%	
92 Residential Sales Revenues	69,769,528 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	

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	1	2	36	37	38	39	40	41	42	43
			Small Municipal Rate 40			Municipal Lighting Primary Rate 41				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
1 Energy at Generation Level	2,265,660,133 100.000000%	0 0.000000%	0 0.000000%	3,533,536 0.155961%	0 0.000000%	0 0.000000%	0 0.000000%	1,257,043 0.055482%	0 0.000000%	
2 Demand - 12 CP	376,261 100.000000%	592 0.157381%	0 0.000000%	0 0.000000%	0 0.000000%	71 0.018834%	0 0.000000%	0 0.000000%	0 0.000000%	
3 Demand/Energy for Wind	1,914,541,133 100.000000%	2,985,929 0.156181%	0 0.000000%	0 0.000000%	0 0.000000%	1,062,212 0.049802%	0 0.000000%	0 0.000000%	0 0.000000%	
4 NCP - Generation Level	576,973 100.000000%	0 0.000000%	1,798 0.311587%	0 0.000000%	0 0.000000%	0 0.000000%	393 0.068160%	0 0.000000%	0 0.000000%	
5 NCP - Secondary Level	399,643 100.000000%	0 0.000000%	1,589 0.397527%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	
6 Total Customers	94,405 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	233 0.246809%	0 0.000000%	0 0.000000%	0 0.000000%	43 0.045548%	
7 Total Customers less Rate 52	94,219 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	233 0.247296%	0 0.000000%	0 0.000000%	0 0.000000%	43 0.045638%	
8 Weighted Customer Meters	135,634 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	508 0.374537%	0 0.000000%	0 0.000000%	0 0.000000%	41 0.030228%	

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	1	2	36	37	38	39	40	41	42	43
			Small Municipal Rate 40			Municipal Lighting Primary Rate 41				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
	100,552	0	0	0	274	0	0	0	0	0
10 Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	0.272496%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	150,058	0	0	0	1,233	0	0	0	0	0
11 Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	0.821682%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	106,722	0	0	0	270	0	0	0	43	
12 Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	0.252994%	0.000000%	0.000000%	0.000000%	0.040292%	
	938,943,588	956,601	393,964	0	729,269	114,478	68,991	0	62,432	
13 Production, Transmission, & Distribution Plant	100.000000%	0.101881%	0.041958%	0.000000%	0.077669%	0.012192%	0.007348%	0.000000%	0.006649%	
	331,118,734	0	393,964	0	729,269	0	68,991	0	62,432	
14 Distribution Plant	100.000000%	0.000000%	0.118980%	0.000000%	0.220244%	0.000000%	0.020836%	0.000000%	0.018855%	
	154,094,237	0	79,703	0	317,811	0	17,435	0	58,651	
15 Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	0.051724%	0.000000%	0.206245%	0.000000%	0.011315%	0.000000%	0.038062%	
	55,121,337	0	78,577	0	290,504	0	0	0	0	
19 Line Transformers	100.000000%	0.000000%	0.142553%	0.000000%	0.527026%	0.000000%	0.000000%	0.000000%	0.000000%	
	55,764,922	50,678	21,746	0	53,620	6,065	3,808	0	5,586	
23 O & M Excluding Fuel & Purch. Power	100.000000%	0.090878%	0.038996%	0.000000%	0.096154%	0.010876%	0.006829%	0.000000%	0.010017%	
	34,324,043	31,193	13,385	0	33,004	3,733	2,344	0	3,438	
24 O & M Excluding Fuel, Purch. Power and A&G	100.000000%	0.090878%	0.038996%	0.000000%	0.096154%	0.010876%	0.006829%	0.000000%	0.010016%	

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	1	2	36	37	38	39	40	41	42	43
			Small Municipal Rate 40				Municipal Lighting Primary Rate 41			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
26 Total Electric Plant in Service		1,049,258,731 100.000000%	1,065,067 0.101507%	433,850 0.041348%	0 0.000000%	822,533 0.078392%	127,458 0.012147%	75,976 0.007241%	0 0.000000%	72,339 0.006894%
27 Net Electric Plant in Service		696,229,705 100.000000%	700,432 0.100604%	314,677 0.045197%	0 0.000000%	519,120 0.074562%	83,822 0.012039%	56,887 0.008171%	0 0.000000%	48,661 0.006989%
29 Production Plant		372,523,090 100.000000%	586,281 0.157381%	0 0.000000%	0 0.000000%	0 0.000000%	70,161 0.018834%	0 0.000000%	0 0.000000%	0 0.000000%
30 Transmission Plant		235,301,764 100.000000%	370,320 0.157381%	0 0.000000%	0 0.000000%	0 0.000000%	44,317 0.018834%	0 0.000000%	0 0.000000%	0 0.000000%
44 Taxable Income		23,966,736 100.000000%	(103,651) -0.432479%	2,975 0.012413%	83,750 0.349443%	(9,585) -0.039993%	(12,404) -0.051755%	(7,656) -0.031944%	57,094 0.238222%	(9,347) -0.039000%
90 BSC/Energy/Demand Revenue		122,595,338 100.000000%	0 0.000000%	46,587 0.038001%	69,942 0.057051%	85,308 0.069585%	0 0.000000%	0 0.000000%	53,865 0.043937%	0 0.000000%
91 Billed Demand KW		3,497,016 100.000000%	0 0.000000%	7,221 0.206487%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%
92 Residential Sales Revenues		69,769,528 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%

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	1	2	44	45	46	47	48	49	50	51
			Municipal Lighting Secondary Rate 41			Municipal Pumping Primary Rate 48				
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
		2,265,660,133	0	0	13,108,310	0	0	0	25,172,429	0
		100.000000%	0.000000%	0.000000%	0.578565%	0.000000%	0.000000%	0.000000%	1.111042%	0.000000%
		376,261	663	0	0	0	3,502	0	0	0
		100.000000%	0.176254%	0.000000%	0.000000%	0.000000%	0.930863%	0.000000%	0.000000%	0.000000%
		1,914,541,133	11,076,625	0	0	0	21,271,245	0	0	0
		100.000000%	0.516207%	0.000000%	0.000000%	0.000000%	1.083114%	0.000000%	0.000000%	0.000000%
		576,973	0	3,420	0	0	0	7,130	0	0
		100.000000%	0.000000%	0.592769%	0.000000%	0.000000%	0.000000%	1.235819%	0.000000%	0.000000%
		399,643	0	3,022	0	0	0	0	0	0
		100.000000%	0.000000%	0.756262%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
		94,405	0	0	0	488	0	0	0	3
		100.000000%	0.000000%	0.000000%	0.000000%	0.516922%	0.000000%	0.000000%	0.000000%	0.003178%
		94,219	0	0	0	488	0	0	0	3
		100.000000%	0.000000%	0.000000%	0.000000%	0.517942%	0.000000%	0.000000%	0.000000%	0.003184%
		135,634	0	0	0	478	0	0	0	456
		100.000000%	0.000000%	0.000000%	0.000000%	0.352419%	0.000000%	0.000000%	0.000000%	0.336199%

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	1	2	44	45	46	47	48	49	50	51
			Municipal Lighting Secondary Rate 41			Municipal Pumping Primary Rate 48				
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
	100,552	0	0	0	775	0	0	0	0	0
10 Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	0.770745%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	150,058	0	0	0	1,527	0	0	0	0	0
11 Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	1.017607%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	106,722	0	0	0	622	0	0	0	11	
12 Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	0.582823%	0.000000%	0.000000%	0.000000%	0.010307%	
	938,943,588	1,071,316	749,483	0	6,229,501	5,658,017	1,250,887	0	46,148	
13 Production, Transmission, & Distribution Plant	100.000000%	0.114098%	0.079822%	0.000000%	0.663458%	0.602594%	0.133223%	0.000000%	0.004915%	
	331,118,734	0	749,483	0	6,229,501	0	1,250,887	0	46,148	
14 Distribution Plant	100.000000%	0.000000%	0.226349%	0.000000%	1.881350%	0.000000%	0.377776%	0.000000%	0.013937%	
	154,094,237	0	151,628	0	665,631	0	316,118	0	4,092	
15 Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	0.098400%	0.000000%	0.431964%	0.000000%	0.205146%	0.000000%	0.002656%	
	55,121,337	0	149,487	0	359,773	0	0	0	0	
19 Line Transformers	100.000000%	0.000000%	0.271196%	0.000000%	0.652693%	0.000000%	0.000000%	0.000000%	0.000000%	
	55,764,922	56,754	41,369	0	374,557	299,742	69,045	0	3,079	
23 O & M Excluding Fuel & Purch. Power	100.000000%	0.101774%	0.074185%	0.000000%	0.671671%	0.537510%	0.123814%	0.000000%	0.005521%	
	34,324,043	34,933	25,463	0	230,545	184,495	42,498	0	1,895	
24 O & M Excluding Fuel, Purch. Power and A&G	100.000000%	0.101774%	0.074184%	0.000000%	0.671672%	0.537510%	0.123814%	0.000000%	0.005521%	

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	1	2	44	45	46	47	48	49	50	51
			Municipal Lighting Secondary Rate 41				Municipal Pumping Primary Rate 48			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
		1,049,258,731	1,192,789	825,362	0	6,900,885	6,299,561	1,377,530	0	51,070
		100.000000%	0.113679%	0.078661%	0.000000%	0.657691%	0.600382%	0.131286%	0.000000%	0.004867%
		696,229,705	784,427	598,646	0	5,742,348	4,142,854	1,031,449	0	32,237
		100.000000%	0.112668%	0.085984%	0.000000%	0.824778%	0.595041%	0.148148%	0.000000%	0.004630%
		372,523,090	656,587	0	0	0	3,467,680	0	0	0
		100.000000%	0.176254%	0.000000%	0.000000%	0.000000%	0.930863%	0.000000%	0.000000%	0.000000%
		235,301,764	414,729	0	0	0	2,190,337	0	0	0
		100.000000%	0.176254%	0.000000%	0.000000%	0.000000%	0.930863%	0.000000%	0.000000%	0.000000%
		23,966,736	(116,080)	(82,967)	656,416	160,678	(613,067)	218,033	425,695	(1,031)
		100.000000%	-0.484338%	-0.346176%	2.738863%	0.670421%	-2.557991%	0.909732%	1.776191%	-0.004302%
		122,595,338	0	0	617,705	0	0	331,482	380,563	4,320
		100.000000%	0.000000%	0.000000%	0.503857%	0.000000%	0.000000%	0.270387%	0.310422%	0.003524%
		3,497,016	0	0	0	0	0	50,995	0	0
		100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	1.458255%	0.000000%	0.000000%
		69,769,528	0	0	0	0	0	0	0	0
		100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%

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	1	2	52	53	54	55	56	57	58	59
			Municipal Pumping Secondary Rate 48				Outdoor Lighting Rate 52			
		Total	Demand	Demand	Energy	Customer	Demand	Demand	Energy	Customer
		North Dakota	Prod. & Trans.	Distribution			Prod. & Trans.	Distribution		
		2,265,660,133	0	0	24,140,717	0	0	0	4,312,455	0
		100.000000%	0.000000%	0.000000%	1.065505%	0.000000%	0.000000%	0.000000%	0.190340%	0.000000%
		376,261	3,148	0	0	0	354	0	0	0
		100.000000%	0.836669%	0.000000%	0.000000%	0.000000%	0.093975%	0.000000%	0.000000%	0.000000%
		1,914,541,133	20,399,394	0	0	0	3,644,079	0	0	0
		100.000000%	1.030035%	0.000000%	0.000000%	0.000000%	0.175403%	0.000000%	0.000000%	0.000000%
		576,973	0	4,579	0	0	0	1,969	0	0
		100.000000%	0.000000%	0.793687%	0.000000%	0.000000%	0.000000%	0.341246%	0.000000%	0.000000%
		399,643	0	4,047	0	0	0	1,725	0	0
		100.000000%	0.000000%	1.012596%	0.000000%	0.000000%	0.000000%	0.431718%	0.000000%	0.000000%
		94,405	0	0	0	268	0	0	0	186
		100.000000%	0.000000%	0.000000%	0.000000%	0.283883%	0.000000%	0.000000%	0.000000%	0.197023%
		94,219	0	0	0	268	0	0	0	0
		100.000000%	0.000000%	0.000000%	0.000000%	0.284444%	0.000000%	0.000000%	0.000000%	0.000000%
		135,634	0	0	0	1,361	0	0	0	502
		100.000000%	0.000000%	0.000000%	0.000000%	1.003436%	0.000000%	0.000000%	0.000000%	0.370114%

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	1	2	52	53	54	55	56	57	58	59
			Municipal Pumping Secondary Rate 48				Outdoor Lighting Rate 52			
	Total	Demand	Demand				Demand	Demand		
	North Dakota	Prod. & Trans.	Distribution	Energy	Customer	Prod. & Trans.	Distribution	Energy	Customer	
	100,552	0	0	0	515	0	0	0	271	
10	Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	0.512173%	0.000000%	0.000000%	0.000000%	0.269512%
	150,058	0	0	0	2,752	0	0	0	741	
11	Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	1.833958%	0.000000%	0.000000%	0.000000%	0.493809%
	106,722	0	0	0	477	0	0	0	2,266	
12	Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	0.446956%	0.000000%	0.000000%	0.000000%	2.123274%
	938,943,588	5,085,482	1,003,519	0	1,278,748	571,204	430,743	0	1,904,125	
13	Production, Transmission, & Distribution Plant	100.000000%	0.541617%	0.106877%	0.000000%	0.136190%	0.060835%	0.045875%	0.000000%	0.202794%
	331,118,734	0	1,003,519	0	1,278,748	0	430,743	0	1,904,125	
14	Distribution Plant	100.000000%	0.000000%	0.303069%	0.000000%	0.386190%	0.000000%	0.130087%	0.000000%	0.575058%
	154,094,237	0	203,022	0	365,552	0	87,290	0	0	
15	Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	0.131752%	0.000000%	0.237226%	0.000000%	0.056647%	0.000000%	0.000000%
	55,121,337	0	200,155	0	648,393	0	85,335	0	174,585	
19	Line Transformers	100.000000%	0.000000%	0.363117%	0.000000%	1.176301%	0.000000%	0.154813%	0.000000%	0.316729%
	55,764,922	269,411	55,391	0	93,946	30,261	23,775	0	213,827	
23	O & M Excluding Fuel & Purch. Power	100.000000%	0.483119%	0.099329%	0.000000%	0.168468%	0.054265%	0.042634%	0.000000%	0.383444%
	34,324,043	165,826	34,094	0	57,825	18,626	14,634	0	131,613	
24	O & M Excluding Fuel, Purch. Power and A&G	100.000000%	0.483119%	0.099330%	0.000000%	0.168468%	0.054265%	0.042635%	0.000000%	0.383443%

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	1	2	52	53	54	55	56	57	58	59
			Municipal Pumping Secondary Rate 48				Outdoor Lighting Rate 52			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
26	Total Electric Plant in Service	1,049,258,731 100.000000%	5,662,107 0.539629%	1,105,117 0.105324%	0 0.000000%	1,430,560 0.136340%	635,971 0.060611%	474,352 0.045208%	0 0.000000%	2,112,414 0.201324%
27	Net Electric Plant in Service	696,229,705 100.000000%	3,723,637 0.534829%	801,557 0.115128%	0 0.000000%	890,728 0.127936%	418,241 0.060072%	344,128 0.049427%	0 0.000000%	2,244,686 0.322406%
29	Production Plant	372,523,090 100.000000%	3,116,785 0.836669%	0 0.000000%	0 0.000000%	0 0.000000%	350,079 0.093975%	0 0.000000%	0 0.000000%	0 0.000000%
30	Transmission Plant	235,301,764 100.000000%	1,968,697 0.836669%	0 0.000000%	0 0.000000%	0 0.000000%	221,125 0.093975%	0 0.000000%	0 0.000000%	0 0.000000%
44	Taxable Income	23,966,736 100.000000%	(551,029) -2.299141%	471,542 1.967485%	440,721 1.838886%	(12,374) -0.051630%	(61,892) -0.258241%	(47,682) -0.198951%	282,898 1.180378%	22,676 0.094614%
90	BSC/Energy/Demand Revenue	122,595,338 100.000000%	0 0.000000%	540,303 0.440721%	388,173 0.316629%	152,558 0.124440%	0 0.000000%	0 0.000000%	269,852 0.220116%	0 0.000000%
91	Billed Demand KW	3,497,016 100.000000%	0 0.000000%	83,685 2.393037%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%
92	Residential Sales Revenues	69,769,528 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%

**MONTANA-DAKOTA UTILITIES CO.
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	1	2	64	65	66	67	68	69	70	71
			Interruptible Demand Response Rate 38				Contract - Tesoro			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
1 Energy at Generation Level	2,265,660,133 100.000000%	0 0.000000%	0 0.000000%	34,134,080 1.506584%	0 0.000000%	0 0.000000%	0 0.000000%	104,732,635 4.622609%	0 0.000000%	
2 Demand - 12 CP	376,261 100.000000%	3,433 0.912508%	0 0.000000%	0 0.000000%	0 0.000000%	13,154 3.495858%	0 0.000000%	0 0.000000%	0 0.000000%	
3 Demand/Energy for Wind	1,914,541,133 100.000000%	28,843,829 1.414502%	0 0.000000%	0 0.000000%	0 0.000000%	88,501,115 4.447963%	0 0.000000%	0 0.000000%	0 0.000000%	
4 NCP - Generation Level	576,973 100.000000%	0 0.000000%	11,973 2.075145%	0 0.000000%	0 0.000000%	0 0.000000%	16,959 2.939376%	0 0.000000%	0 0.000000%	
5 NCP - Secondary Level	399,643 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	
6 Total Customers	94,405 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	4 0.004237%	0 0.000000%	0 0.000000%	0 0.000000%	1 0.001059%	
7 Total Customers less Rate 52	94,219 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	4 0.004245%	0 0.000000%	0 0.000000%	0 0.000000%	1 0.001061%	
8 Weighted Customer Meters	135,634 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	285 0.210124%	0 0.000000%	0 0.000000%	0 0.000000%	176 0.129761%	

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	1	2	64	65	66	67	68	69	70	71
			Interruptible Demand Response Rate 38				Contract - Tesoro			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
	100,552	0	0	0	0	0	0	0	0	0
10 Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	150,058	0	0	0	0	0	0	0	0	0
11 Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
	106,722	0	0	0	13	0	0	0	4	
12 Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	0.012181%	0.000000%	0.000000%	0.000000%	0.003748%	
	938,943,588	5,546,450	2,100,446	0	31,741	21,248,693	2,975,216	0	17,597	
13 Production, Transmission, & Distribution Plant	100.000000%	0.590712%	0.223703%	0.000000%	0.003381%	2.263043%	0.316868%	0.000000%	0.001874%	
	331,118,734	0	2,100,446	0	31,741	0	2,975,216	0	17,597	
14 Distribution Plant	100.000000%	0.000000%	0.634348%	0.000000%	0.009586%	0.000000%	0.898534%	0.000000%	0.005314%	
	154,094,237	0	530,815	0	5,455	0	751,883	0	1,364	
15 Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	0.344474%	0.000000%	0.003540%	0.000000%	0.487937%	0.000000%	0.000885%	
	55,121,337	0	0	0	0	0	0	0	0	
19 Line Transformers	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	
	55,764,922	293,833	115,937	0	2,382	1,125,685	164,220	0	1,165	
23 O & M Excluding Fuel & Purch. Power	100.000000%	0.526914%	0.207903%	0.000000%	0.004272%	2.018626%	0.294486%	0.000000%	0.002089%	
	34,324,043	180,858	71,361	0	1,466	692,874	101,080	0	717	
24 O & M Excluding Fuel, Purch. Power and A&G	100.000000%	0.526913%	0.207904%	0.000000%	0.004271%	2.018626%	0.294487%	0.000000%	0.002089%	

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	1	2	64	65	66	67	68	69	70	71
			Interruptible Demand Response Rate 38				Contract - Tesoro			
	Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	Demand Prod. & Trans.	Demand Distribution	Energy	Customer	
26 Total Electric Plant in Service	1,049,258,731 100.000000%	6,175,344 0.588543%	2,313,100 0.220451%	0 0.000000%	35,290 0.003363%	23,658,012 2.254736%	3,276,433 0.312262%	0 0.000000%	19,461 0.001855%	
27 Net Electric Plant in Service	696,229,705 100.000000%	4,061,163 0.583308%	1,731,972 0.248764%	0 0.000000%	22,426 0.003221%	15,558,495 2.234678%	2,453,283 0.352367%	0 0.000000%	12,273 0.001763%	
29 Production Plant	372,523,090 100.000000%	3,399,303 0.912508%	0 0.000000%	0 0.000000%	0 0.000000%	13,022,878 3.495858%	0 0.000000%	0 0.000000%	0 0.000000%	
30 Transmission Plant	235,301,764 100.000000%	2,147,147 0.912508%	0 0.000000%	0 0.000000%	0 0.000000%	8,225,815 3.495858%	0 0.000000%	0 0.000000%	0 0.000000%	
44 Taxable Income	23,966,736 100.000000%	(600,977) -2.507546%	762,133 3.179962%	463,668 1.934631%	3,154 0.013160%	(2,302,375) -9.606544%	815,830 3.404010%	1,782,478 7.437300%	(830) -0.003463%	
90 BSC/Energy/Demand Revenue	122,595,338 100.000000%	0 0.000000%	937,668 0.764848%	400,466 0.326657%	7,140 0.005824%	0 0.000000%	1,056,761 0.861991%	1,575,291 1.284952%	1,200 0.000979%	
91 Billed Demand KW	3,497,016 100.000000%	0 0.000000%	104,175 2.978960%	0 0.000000%	0 0.000000%	0 0.000000%	161,517 4.618718%	0 0.000000%	0 0.000000%	
92 Residential Sales Revenues	69,769,528 100.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	0 0.000000%	

**MONTANA-DAKOTA UTILITIES CO.
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	1	2	72	73	74	75
			Contract - Sabin			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
		2,265,660,133	0	0	28,813,547	0
		100.000000%	0.000000%	0.000000%	1.271751%	0.000000%
		376,261	4,325	0	0	0
		100.000000%	1.149386%	0.000000%	0.000000%	0.000000%
		1,914,541,133	24,348,117	0	0	0
		100.000000%	1.252784%	0.000000%	0.000000%	0.000000%
		576,973	0	9,197	0	0
		100.000000%	0.000000%	1.593933%	0.000000%	0.000000%
		399,643	0	0	0	0
		100.000000%	0.000000%	0.000000%	0.000000%	0.000000%
		94,405	0	0	0	1
		100.000000%	0.000000%	0.000000%	0.000000%	0.001059%
		94,219	0	0	0	1
		100.000000%	0.000000%	0.000000%	0.000000%	0.001061%
		135,634	0	0	0	71
		100.000000%	0.000000%	0.000000%	0.000000%	0.052347%

**MONTANA-DAKOTA UTILITIES CO.
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	1	2	72	73	74	75
			Contract - Sabin			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
		100,552	0	0	0	0
10	Weighted Customer Services	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%
		150,058	0	0	0	0
11	Weighted Customer Transformers	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%
		106,722	0	0	0	3
12	Weighted Customer Accounts	100.000000%	0.000000%	0.000000%	0.000000%	0.002811%
		938,943,588	6,986,252	1,613,366	0	7,913
13	Production, Transmission, & Distribution Plant	100.000000%	0.744054%	0.171828%	0.000000%	0.000843%
		331,118,734	0	1,613,366	0	7,913
14	Distribution Plant	100.000000%	0.000000%	0.487247%	0.000000%	0.002390%
		154,094,237	0	407,722	0	1,364
15	Poles, OH & UG Conductor & Conduit	100.000000%	0.000000%	0.264593%	0.000000%	0.000885%
		55,121,337	0	0	0	0
19	Line Transformers	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%
		55,764,922	370,107	89,052	0	582
23	O & M Excluding Fuel & Purch. Power	100.000000%	0.663691%	0.159692%	0.000000%	0.001044%
		34,324,043	227,806	54,813	0	358
24	O & M Excluding Fuel, Purch. Power and A&G	100.000000%	0.663692%	0.159693%	0.000000%	0.001043%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
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	1	2	72	73	74	75
			Contract - Sabin			
		Total North Dakota	Demand Prod. & Trans.	Demand Distribution	Energy	Customer
		1,049,258,731	7,778,399	1,776,707	0	8,797
		100.000000%	0.741323%	0.169330%	0.000000%	0.000838%
		696,229,705	5,115,398	1,330,339	0	5,590
		100.000000%	0.734728%	0.191078%	0.000000%	0.000803%
		372,523,090	4,281,727	0	0	0
		100.000000%	1.149386%	0.000000%	0.000000%	0.000000%
		235,301,764	2,704,525	0	0	0
		100.000000%	1.149386%	0.000000%	0.000000%	0.000000%
		23,966,736	(756,985)	219,209	504,472	219
		100.000000%	-3.158482%	0.914639%	2.104884%	0.000914%
		122,595,338	0	367,729	447,472	1,200
		100.000000%	0.000000%	0.299953%	0.364999%	0.000979%
		3,497,016	55,225	0	0	0
		100.000000%	1.579201%	0.000000%	0.000000%	0.000000%
		69,769,528	0	0	0	0
		100.000000%	0.000000%	0.000000%	0.000000%	0.000000%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Allocation of Revenues
Projected 2023**

Rate Class	Projected 2023 Billing Determinants and Revenues								
	Bill Determinants	Kwh	KW	Basic Service Charge	Energy	Demand	Generation Rider	Fuel Rev	Total
Residential Service									
Rate 10	80,161	763,201,099		\$13,459,178	\$37,765,785		\$1,427,186	\$17,103,337	\$69,755,486
Rate 13	4	132,692		1,095	4,410		248	2,974	8,727
Rate 16	4	70,679		1,095	2,504		132	1,584	5,315
Total Residential	80,169	763,404,470		13,461,368	37,772,699		1,427,566	17,107,895	69,769,528
Small General Service									
Rate 20	10,410	88,215,802		3,191,779	4,491,252		164,964	1,976,916	9,824,911
Rate 26	270	1,950,557		98,550	62,141		3,648	43,712	208,051
Subtotal	10,680	90,166,359		3,290,329	4,553,393		168,612	2,020,628	10,032,962
Rate 25	49	1,577,312	10,040.6	26,828	2,934	31,943	2,950	35,348	100,003
Rate 40	271	3,270,836	7,220.9	85,308	69,942	46,587	6,117	73,299	281,253
Total Small General	11,000	95,014,507	17,261.5	3,402,465	4,626,269	78,530	177,679	2,129,275	10,414,218
Large General Service									
Rate 30 Primary	40	226,484,074	507,095.6	48,000	3,202,485	6,098,111	279,973	4,935,088	14,563,657
Rate 30 Secondary	4,566	722,746,179	2,202,914.3	3,068,991	16,847,213	23,251,782	1,216,251	16,196,742	60,580,979
Rate 31 Primary	1	2,478,000	4,869.6	1,164	35,258	64,936	2,689	53,996	158,043
Rate 31 Secondary	52	13,853,295	38,840.3	44,928	323,025	474,070	21,444	310,452	1,173,919
Rate 32 Secondary	603	57,227,301	270,437.7	151,956	1,386,045	722,295	65,470	1,282,464	3,608,230
Subtotal	5,262	1,022,788,849	3,024,158	3,315,039	21,794,026	30,611,194	1,585,827	22,778,742	80,084,828
Contract Rate - Tesoro	1	98,750,754	161,517.3	1,200	1,575,291	1,056,761	89,175	2,151,779	4,874,206
Contract Rate - Sabin	1	27,167,840	55,224.9	1,200	447,472	367,729	30,490	591,987	1,438,878
Rate 38	4	31,986,100	104,174.7	7,140	400,466	937,668	57,516	696,977	2,099,767
Rate 39	0	0	0.0	0	0	0	0	0	0
Total Large General	5,268	1,180,693,543	3,345,074	3,324,579	24,217,255	32,973,352	1,763,008	26,219,485	88,497,679
Municipal Lighting									
Rate 41 Primary	44	1,174,555			53,865		975	25,594	80,434
Rate 41 Secondary	598	12,133,777			617,705		10,178	271,918	899,801
Total Municipal Lighting	642	13,308,332			671,570		11,153	297,512	980,235
Municipal Pumping									
Rate 48 Primary	5	23,520,600	50,995.4	4,320	380,563	331,482	25,340	512,514	1,254,219
Rate 48 Secondary	303	22,345,983	83,684.9	152,558	388,173	540,303	42,323	500,773	1,624,130
Total Municipal Pumping	308	45,866,583	134,680.3	156,878	768,736	871,785	67,663	1,013,287	2,878,349
Outdoor Lighting Service									
Rate 52 Primary	13	34,081			2,167		31	743	2,941
Rate 52 Secondary	2,539	3,958,084			267,685		3,641	88,701	360,027
Total Outdoor Lighting	2,552	3,992,165			269,852		3,672	89,444	362,968
Total North Dakota Electric	99,939	2,102,279,600	3,497,016.2	\$20,345,290	\$68,326,381	\$33,923,667	\$3,450,741	\$46,856,898	\$172,902,977
Overall ROR					7.513%				
Inverse of Tax Rate					75.5951%				

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Allocation of Revenues
Projected 2023**

Rate Class	Embedded						Allocation of Revenues 1/	Rate Design Results			Generation Rider Revenue \$	Total Revenue Increase \$
	Rate Base	Op Inc	ROR	COS	Increase	% Incr		Base Revenue Increase				
	(000)'s							\$	%	ROR		
Residential Service												
Rate 10							\$11,082,998	\$11,082,253	15.9%			
Rate 13							1,211	723	8.3%			
Rate 16							785	785	14.8%			
Total Residential	\$295,459,735	\$7,381,897	2.50%	89,368,681	\$19,599,153	28.1%	\$11,084,994	11,083,761	15.9%	5.3%	\$3,221,567	\$14,305,328
Small General Service												
Rate 20							1,682,376	1,682,485	17.1%			
Rate 26							35,229	35,221	16.9%			
Subtotal	39,180,031	1,645,171	4.20%	11,750,567	1,717,605	17.1%	1,717,605	1,717,706	17.1%	7.5%	\$380,502	\$2,098,208
Rate 25	822,809	(33,413)	-4.06%	225,976	125,973	126.0%	22,629	22,635	22.6%		6,656	29,291
Rate 40	1,347,948	12,167	0.90%	399,121	117,868	41.9%	72,784	72,784	25.9%		13,803	86,587
Total Small General	41,350,788	1,623,925	3.93%	12,375,664	1,961,446	18.8%	1,813,018	1,813,125	17.4%	7.2%	\$400,961	\$2,214,086
Large General Service												
Rate 30 Primary	48,661,987	2,692,325	5.53%	15,838,407	1,274,750	8.8%	1,274,750	1,280,984	8.8%		\$635,700	\$1,916,684
Rate 30 Secondary	166,242,816	17,369,359	10.45%	54,126,147	(6,454,832)	-10.7%	2,056,630	2,048,353	3.4%		2,761,595	4,809,948
Rate 31 Primary	480,338	32,983	6.87%	162,149	4,106	2.6%	4,821	6,691	4.2%		6,105	12,796
Rate 31 Secondary	3,102,290	351,469	11.33%	1,017,303	(156,616)	-13.3%	40,010	38,077	3.2%		48,691	86,768
Rate 32 Secondary	11,516,458	611,135	5.31%	3,944,358	336,128	9.3%	336,128	336,200	9.3%		160,432	496,632
Subtotal	230,003,889	21,057,271	9.16%	75,088,364	(4,996,464)	-6.2%	3,712,339	3,710,305	4.6%	10.4%	\$3,612,523	\$7,322,828
Contract Rate - Tesoro	15,858,124	601,468	3.79%	5,654,616	780,410	16.0%	360,429	360,599	7.4%		202,480	563,079
Contract Rate - Sabin	5,676,249	110,423	1.95%	1,856,938	418,060	29.1%	112,122	112,097	7.8%		69,230	181,327
Rate 38	5,133,035	596,809	11.63%	1,820,431	(279,336)	-13.3%	65,001	65,108	3.1%		130,594	195,702
Rate 39												
Total Large General	256,671,297	22,365,971	8.71%	84,420,349	(4,077,330)	-4.6%	4,249,891	4,248,109	4.8%	10.0%	\$4,014,827	\$8,262,936
Municipal Lighting												
Rate 41 Primary	168,116	24,907	14.82%	64,196	(16,238)	-20.2%	5,990					
Rate 41 Secondary	6,406,252	616,800	9.63%	720,559	(179,242)	-19.9%	61,301					
Total Municipal Lighting	6,574,368	641,707	9.76%	784,755	(195,480)	-19.9%	67,291	67,318	6.9%	10.5%	\$17,434	\$84,752
Municipal Pumping												
Rate 48 Primary	4,581,990	131,702	2.87%	1,535,381	281,162	22.4%	259,597					
Rate 48 Secondary	4,759,443	377,419	7.93%	1,597,882	(26,248)	-1.6%	52,053					
Total Municipal Pumping	9,341,433	509,121	5.45%	3,133,263	254,914	8.9%	311,650	311,733	10.8%	8.0%	\$168,837	\$480,570
Outdoor Lighting Service												
Rate 52 Primary							102					
Rate 52 Secondary							12,572					
Total Outdoor Lighting	2,780,360	211,294	7.60%	359,784	(3,184)	-0.9%	12,674	12,656	3.5%	7.9%	\$5,230	\$17,886
Total North Dakota Electric	\$612,177,981	\$32,733,915	5.35%	\$190,442,496	\$17,539,519	10.1%	\$17,539,518	\$17,536,702	10.1%	7.5%	\$7,828,856	\$25,365,558

1/ Allocation of revenues as follows:

Minimum class increase of 1/3 of system average
Maximum of 35% increase
Remainder to residential

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Generation Resource Recovery Rider Rates
*Proposed 2023***

Total Cost to be Recovered through GRRR Rates	<u><u>\$7,832,580</u></u>

<u>Allocation of Costs & Proposed Rates</u>	<u>Allocated GRRR Costs 1/</u>	<u>Projected Billing Determinants</u>	<u>Proposed GRRR Rates</u>
Residential & Small General	\$3,626,277	858,418,977 Kwh	\$0.00422 per Kwh
Large General	4,023,231	3,209,317.0 KW	\$1.25361 per KW
Space Heating Rate 32	160,431	270,437.7 KW	\$0.59323 per KW
Lighting	22,641	17,300,497 Kwh	\$0.00131 per Kwh
	<u><u>\$7,832,580</u></u>		

<u>Change in Rates</u>	<u>Proposed GRRR Rates</u>	<u>Current GRRR Rates 2/</u>	<u>Change in GRRR Rates</u>
Residential & Small General	\$0.00422	\$0.00185	\$0.00237
Large General	\$1.25361	\$0.54680	\$0.70681
Space Heating Rate 32	\$0.59323	\$0.23976	\$0.35347
Lighting	\$0.00131	\$0.00091	\$0.00040

1/ Demand Allocation Factor 2:

Residential & Small General	46.297343%	(Rates 10, 13, 16, 20, 25, 26, and 40)
Large General	51.365337%	(Rates 30, 31, 38, 48, and contracts)
Space Heating Rate 32	2.048257%	(Rate 32)
Lighting	0.289063%	(Rates 41, 52)
	<u><u>100.000000%</u></u>	

2/ Current rates effective February 1, 2022.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Summary of Proposed Charges
Projected 2023**

Rate Class	Basic Service Charge	Energy Charges		Base Fuel	Total Energy		Demand Charges			
		Summer	Winter		Summer	Winter	1st Block		2nd Block	
							Summer	Winter	Summer	Winter
Residential										
Rate 10	\$0.67									
1st 750		\$0.06512	\$0.06512	\$0.02241	\$0.08753	\$0.08753				
Over 750		0.06512	0.03512	0.02241	0.08753	0.05753				
Rate 13	1.05									
Off Peak		0.06512	0.01100	0.02241	0.08753	0.03341				
On Peak										
1st 750		0.06512	0.06512	0.02241	0.08753	0.08753				
Over 750		0.06512	0.03512	0.02241	0.08753	0.05753				
TOD Rate 16	1.05									
Off Peak		0.04895	0.03395	0.02241	0.07136	0.05636				
On Peak		0.07895	0.06395	0.02241	0.10136	0.08636				
Small General Service										
Rate 20	1.15									
1st 750		0.06756	0.06756	0.02241	0.08997	0.08997				
Over 750		0.06756	0.03756	0.02241	0.08997	0.05997				
Irrigation Rate 25	1.90	0.00406	0.00406	0.02241	0.02647	0.02647	5.74	2.74	5.74	2.74
TOD Rate 26	1.30									
Off Peak		0.04043	0.02543	0.02241	0.06284	0.04784				
On Peak		0.06543	0.05043	0.02241	0.08784	0.07284				
Municipal Rate 40										
Non- Demand	1.15									
1st 750		0.04321	0.04321	0.02241	0.06562	0.06562				
Over 750		0.04321	0.03221	0.02241	0.06562	0.05462				
Demand	1.30						15.19	0.00	15.19	12.19
1st 750		0.02221	0.02221	0.02241	0.04462	0.04462				
Over 750		0.02221	0.02221	0.02241	0.04462	0.04462				
Large General Service										
Rate 30 Primary Service	100.00	0.01689	0.01689	0.02179	0.03868	0.03868	15.85	12.85	15.85	12.85
Rate 30 Secondary Service	56.00	0.02606	0.02606	0.02241	0.04847	0.04847	13.08	10.08	13.08	10.08
TOD Rate 31										
Primary Service	97.00									
Off Peak		0.01596	0.01596	0.02179	0.03775	0.03775	0.00	0.00	0.00	0.00
On Peak		0.01846	0.01846	0.02179	0.04025	0.04025	15.96	12.96	15.96	12.96
Secondary Service	72.00									
Off Peak		0.02501	0.02501	0.02241	0.04742	0.04742	0.00	0.00	0.00	0.00
On Peak		0.02751	0.02751	0.02241	0.04992	0.04992	15.43	11.43	15.43	11.43
Space Heating Rate 32										
Primary Service	23.00	0.01772	0.01772	0.02179	0.03951	0.03951	15.85	1.71	15.85	1.71
Secondary Service	23.00	0.02772	0.02772	0.02241	0.05013	0.05013	13.08	1.71	13.08	1.71
Contract Rate 304	100.00									
1st 2.3 million Kwh		0.02014	0.02014	0.02179	0.04193	0.06207	\$9.72	\$6.48	\$6.48	\$6.48
Over 2.3 million Kwh		0.01489	0.01489	0.02179	0.03668	0.05157	9.72	6.48	6.48	6.48

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Summary of Proposed Charges
Projected 2023**

Rate Class	Basic Service Charge	Energy Charges		Base Fuel	Total Energy		Demand Charges			
		Summer	Winter		Summer	Winter	1st Block		2nd Block	
							Summer	Winter	Summer	Winter
Contact Rate 303	\$100.00									
1st 1.5 million Kwh		\$0.02462	\$0.02462	\$0.02179	\$0.04641	\$0.04641	\$9.69	\$6.16	\$9.69	\$6.16
Over 1.5 million Kwh		0.01786	0.01786	0.02179	0.03965	0.03965	9.69	6.16	9.69	6.16
Demand Resp Rate 38	100.00	0.01203	0.01203	0.02179	0.03382	0.03382	12.35	9.35	12.35	9.35
Municipal Lighting - Rate 41										
Primary Service		0.05180	0.05180	0.02179	0.07359	0.07359				
Secondary Service		0.05680	0.05680	0.02241	0.07921	0.07921				
Municipal Pumping - Rate 48										
Primary Service	80.00	0.01826	0.01826	0.02179	0.04005	0.04005	12.00	9.00	12.00	9.00
Secondary Service	45.00	0.01926	0.01926	0.02241	0.04167	0.04167	12.00	9.00	12.00	9.00
Outdoor Lighting - Rate 52										
Primary Service		0.06766	0.06766	0.02179	0.08945	0.08945				
Secondary Service		0.07172	0.07172	0.02241	0.09413	0.09413				

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Residential Electric Service Rate 10
Projected 2023**

Residential Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge - Rate 10	80,161	\$0.46 per day	\$13,459,032	\$0.67 per day	\$19,603,373
Rate 95	8	0.05 per day	146	0.05 per day	146
Energy					
Summer	255,122,863	\$0.05678 per Kwh	14,485,876	\$0.06512 per Kwh	16,613,601
Winter					
First 750	322,452,465	\$0.05678 per Kwh	18,308,851	\$0.06512 per Kwh	20,998,105
Over 750	185,625,771	0.02678 per Kwh	4,971,058	0.03512 per Kwh	6,519,177
Subtotal	508,078,236		23,279,909		27,517,282
Generation Rider			1,427,186		
Total Energy	763,201,099		39,192,971		44,130,883
Base Fuel	763,201,099	\$0.02241 per Kwh	17,103,337	\$0.02241 per Kwh	17,103,337
Total Rate 10			<u>\$69,755,486</u>		<u>\$80,837,739</u>
Total Revenues Per Design					\$80,837,739
Target Revenues					<u>80,838,484</u>
Difference					<u>(\$745)</u>

Derivation of Rate:

	Projected
Projected Revenues Before Increase	\$69,755,486
Proposed Revenue Increase	<u>11,082,998</u>
Total Revenue Requirement	80,838,484
Less:	
Proposed Basic Service Charge Revenues	19,603,519
Projected Base Fuel	17,103,337
Winter Rate >750 differential (\$0.03000) 185,625,771 Kwh	<u>(5,568,773)</u>
Subtotal	31,138,083
Net to be Collected Through Energy	\$49,700,401
Total Kwh	763,201,099
Summer Rate per Kwh	\$0.06512
Winter Rate Per Kwh - 1st 750 Kwh	\$0.06512
Winter Rate - Over 750 Kwh	\$0.03512

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Residential Electric Service Rate 13
Projected 2023**

Residential Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge - Rate 13	4	\$0.75 per day	\$1,095	\$1.05 per day	\$1,533
Energy					
Summer	28,963	\$0.05846 per Kwh	1,693	\$0.06512 per Kwh	1,886
Winter					
On-Peak First 750	22,786	\$0.05846 per Kwh	1,332	\$0.06512 per Kwh	1,484
On-Peak Over 750	28,310	0.02846 per Kwh	806	0.03512 per Kwh	994
Off Peak	52,633	0.01100 per Kwh	579	0.01100 per Kwh	579
Subtotal	103,729		2,717		3,057
Generation Rider			248		
Total Energy	132,692		4,658		4,943
Base Fuel	132,692	\$0.02241 per Kwh	2,974	\$0.02241 per Kwh	2,974
Total Rate 13			<u>\$8,727</u>		<u>\$9,450</u>
Total Revenues Per Design					\$9,450
Target Revenues					<u>9,938</u>
Difference					<u>(\$488)</u>

Derivation of Rate:

			Projected
Projected Revenues Before Increase			\$8,727
Proposed Revenue Increase			<u>1,211</u>
Total Revenue Requirement			9,938
Less:			
Proposed Basic Service Charge Revenues			1,533
Projected Base Fuel			2,974
Winter Off-Peak			579
Winter >750 differential	(\$0.03000)	28,310 kwh	<u>(849)</u>
Subtotal			4,237
Net to be Collected Through Energy			<u>\$5,701</u>
Total Kwh (excluding Winter Off-Peak)			80,059
Summer rate			\$0.07121
Winter On-Peak First 750			\$0.07121
Winter On-Peak > 750			\$0.04121
Winter Off-Peak Rate			\$0.01100

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Residential Electric TOD Service Rate 16
Projected 2023**

Residential Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	4	\$0.75 per day	\$1,095	\$1.05 per day	\$1,533
Energy					
Summer					
On-Peak Kwh	3,277	\$0.07218 per Kwh	237	\$0.07895 per Kwh	259
Off Peak Kwh	8,734	0.04218 per Kwh	368	0.04895 per Kwh	428
Subtotal	12,011		605		687
Winter					
On-Peak Kwh	10,152	\$0.05718 per Kwh	580	\$0.06395 per Kwh	649
Off Peak Kwh	48,516	0.02718 per Kwh	1,319	0.03395 per Kwh	1,647
Subtotal	58,668		1,899		2,296
Generation Rider			132		
Total Energy	70,679		2,636		2,983
Base Fuel	70,679	\$0.02241 per Kwh	1,584	\$0.02241 per Kwh	1,584
Total Rate 16 Revenues			<u>\$5,315</u>		<u>\$6,100</u>
Total Revenues Per Design					\$6,100
Target Revenues					<u>6,100</u>
Difference					<u>\$0</u>

Derivation of Rate:

			Projected
Projected Revenues Before Increase			\$5,315
Proposed Revenue Increase			785
Total Revenue Requirement			<u>6,100</u>
Less:			
Proposed Basic Service Charge Revenues			1,533
Projected Base Fuel			1,584
Winter Differential (\$0.01500)	58,668 Kwh		(880)
On-Peak Differential \$0.03000	13,429 Kwh		403
			<u>2,640</u>
Net to be Collected Through Energy			\$3,460
Total On-Peak Kwh			70,679
Summer Off-Peak Rate			\$0.04895
Summer On-Peak Rate			\$0.07895
Winter Off-Peak Rate			\$0.03395
Winter On-Peak Rate			\$0.06395

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Small General Electric Service Rate 20
Projected 2023**

Small General Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	10,410	\$0.84 per day	\$3,191,706	\$1.15 per day	\$4,369,598
Rate 95	4	0.05 per day	73	0.05 per day	73
Energy					
Summer	28,079,972	\$0.05997 per Kwh	1,683,956	\$0.06756 per Kwh	1,897,083
Winter					
First 750 Kwh	33,500,833	\$0.05997 per Kwh	2,009,045	\$0.06756 per Kwh	2,263,316
Over 750 Kwh	26,634,997	0.02997 per Kwh	798,251	0.03756 per Kwh	1,000,410
Subtotal	60,135,830		2,807,296		3,263,726
Generation Rider			164,964		
Total Energy	88,215,802		4,656,216		
Base Fuel	88,215,802	\$0.02241 per Kwh	1,976,916	\$0.02241 per Kwh	1,976,916
Total Rate 20 Revenues			<u>\$9,824,911</u>		<u>\$11,507,396</u>
Total Revenues Per Design					\$11,507,396
Target Revenues					<u>11,507,287</u>
Difference					<u>\$109</u>

Derivation of Rate:

Projected Revenues Before Increase		<u>Projected</u>
Proposed Revenue Increase		\$9,824,911
Total Revenue Requirement		<u>1,682,376</u>
		11,507,287
Less:		
Proposed Basic Service Charge Revenues		4,369,671
Projected Base Fuel		1,976,916
Winter Rate > 750 - differential (\$0.03000)	26,634,997 Kwh	<u>(799,050)</u>
Subtotal		5,547,537
Net to be Collected Through Energy		<u>\$5,959,750</u>
Total Kwh		88,215,802
Summer Rate per Kwh		\$0.06756
Winter Rate Per Kwh - 1st 750 Kwh		\$0.06756
Winter Rate - Over 750 Kwh		\$0.03756

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Irrigation Power Service Rate 25
Projected 2023**

Irrigation Power Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	49	\$1.50 per day	\$26,828	\$1.90 per day	\$33,982
Energy	1,577,312	\$0.00186 per Kwh	2,934	\$0.00406 per Kwh	6,404
Generation Rider			2,950		
Total Energy			5,884		6,404
Demand					
Summer	6,464.3	\$4.25 per KW	27,473	\$5.74 per KW	37,105
Winter	3,576.3	1.25 per KW	4,470	2.74 per KW	9,799
Total Demand			31,943		46,904
Base Fuel	1,577,312	\$0.02241 per Kwh	\$35,348	\$0.02241 per Kwh	\$35,348
Total Revenue			<u>\$100,003</u>		<u>\$122,638</u>
Total Revenues Per Design					\$122,638
Target Revenues					<u>122,632</u>
Difference					<u>(\$6)</u>

Derivation of Rate:

Projected Revenues Before Increase	\$100,003
Proposed Revenue Increase	22,629
Total Revenue Requirement	<u>122,632</u>
Less:	
Proposed Basic Service Charge Revenues	33,982
Proposed Demand Charge Revenues	46,904
Projected Base Fuel	35,348
Subtotal	<u>116,234</u>
Net to be Collected Through Energy	<u>6,398</u>
Total Kwh Sales	1,577,312
Proposed Energy Charge	\$0.00406

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Small General Optional Time-of-Day Electric Service Rate 26
Projected 2023**

Small General Optional TOD Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	270	\$1.00 per day	\$98,550	\$1.30 per day	\$128,115
Energy					
Summer					
On-Peak Kwh	164,452	\$0.06066 per Kwh	9,976	\$0.06543 per Kwh	10,760
Off Peak Kwh	495,677	0.03566 per Kwh	17,676	0.04043 per Kwh	20,040
Subtotal	660,129		27,652		30,800
Winter					
On-Peak Kwh	313,159	\$0.04566 per Kwh	14,299	\$0.05043 per Kwh	15,793
Off Peak Kwh	977,269	0.02066 per Kwh	20,190	0.02543 per Kwh	24,852
Subtotal	1,290,428		34,489		40,645
Generation Rider			3,648		
Total Energy	1,950,557		65,789		71,445
Base Fuel	1,950,557	\$0.02241 per Kwh	43,712	\$0.02241 per Kwh	43,712
Total Rate 26 Revenues			<u>\$208,051</u>		<u>\$243,272</u>
Total Revenues Per Design					\$243,272
Target Revenues					<u>243,280</u>
Difference					<u>(\$8)</u>

Derivation of Rate:

Projected Revenues Before Increase		\$208,051
Proposed Revenue Increase		<u>35,229</u>
Total Revenue Requirement		243,280
Proposed Basic Service Charge Revenues		128,115
Projected Base Fuel		43,712
Winter Differential (\$0.01500)	1,290,428 Kwh	(19,356)
On-Peak Differential \$0.02500	477,611 Kwh	<u>11,940</u>
		164,411
Net to be Collected Through Energy		<u>\$78,869</u>
Total On-Peak Kwh		1,950,557
Summer Off-Peak Rate		\$0.04043
Summer On-Peak Rate		\$0.06543
Winter Off-Peak Rate		\$0.02543
Winter On-Peak Rate		\$0.05043

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**
Derivation of Rate and Reconciliation
Large General Electric Service Rate 30
Projected 2023

Large General Service 30	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge					
Primary Service Rate 30	40	\$100.00	per month	\$48,000	
Secondary Service Rate 30	4,566	56.00	per month	3,068,352	
Rate 95 - single phase, no instrument	1	0.05	per day	18	
Rate 95 - single phase, instrument	2	0.19	per day	139	
Rate 95 - three phase, instrument	4	0.33	per day	482	
Total Customers	4,613			3,116,991	
Energy					
Primary Service - Rate 30	226,484,074	\$0.01414	per Kwh	3,202,485	\$0.01689 per Kwh
Subtotal	226,484,074			3,202,485	
Secondary Service - Rate 30	722,746,179	\$0.02331	per Kwh	16,847,213	\$0.02606 per Kwh
Subtotal	722,746,179			16,847,213	
Total Energy	949,230,253			20,049,698	
Demand					
Primary Service - Summer	173,353.0	\$14.00	per Kw	2,426,942	\$15.85 per Kw
Primary Service - Winter	333,742.6	11.00	per Kw	3,671,169	12.85 per Kw
Generation Rider				279,973	
Subtotal	507,095.6			6,378,084	
Secondary Service - Summer	774,698.9	\$12.50	per Kw	9,683,736	\$13.08 per Kw
Secondary Service - Winter	1,428,215.4	9.50	per Kw	13,568,046	10.08 per Kw
Generation Rider				1,216,251	
Subtotal	2,202,914.3			24,468,033	
Total Demand	2,710,009.9			30,846,117	
Base Fuel					
Primary Service- Rate 30	226,484,074	\$0.02179	per Kwh	4,935,088	\$0.02179 per Kwh
Secondary Service- Rate 30	722,746,179	0.02241	per Kwh	16,196,742	0.02241 per Kwh
Total Base Fuel	949,230,253			21,131,830	
Total Rate 30 Revenue				\$75,144,636	
Total Revenues Per Design					
Primary- Rate 30					\$15,844,641
Secondary - Rate 30					62,629,332
Total					78,473,973
Target Revenues					78,476,016
Difference					(\$2,043)

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**
Derivation of Rate and Reconciliation
Large General Electric Service Rate 30
Projected 2023

Derivation of Rate:

Projected Revenues Before Increase (Rates 30 Pri & Sec)				\$75,144,636
Proposed Revenue Increase				3,331,380
Total Revenue Requirement				<u>78,476,016</u>
Less:				
Proposed Basic Service Charge Revenues				3,116,991
Proposed Demand Revenues				31,565,710
Secondary Energy Differential	\$0.00917	722,746,179	Kwh	6,627,582
Projected Base Fuel				<u>21,131,830</u>
Subtotal				<u>62,442,113</u>
Net to be Collected Through Energy				<u>\$16,033,903</u>
Total Kwh Sales				949,230,253
Proposed Energy Charges:				
Rate 30- Primary				\$0.01689
Rate 30- Secondary				\$0.02606

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Large Time-of-Day Electric Service Rate 31
Projected 2023

Large General TOD Service (Rate 31)	Billing	Projected @ Current Rates			Proposed Rates		
	Determinants	Rate		Revenue	Rate		Revenue
Basic Service Charge							
Primary Service	1	\$97.00	per month	\$1,164	\$97.00	per month	\$1,164
Secondary Service	52	72.00	per month	44,928	72.00	per month	44,928
Total Base Rate	53			46,092			46,092
Energy							
Primary Service							
Off-Peak	1,825,200	\$0.01357	per Kwh	24,768	\$0.01596	per Kwh	29,130
On-Peak	652,800	0.01607	per Kwh	10,490	0.01846	per Kwh	12,051
Total Energy	2,478,000			35,258			41,181
Primary Subtotal	2,478,000			35,258			41,181
Secondary Service							
Off-Peak	9,987,672	\$0.02262	per Kwh	225,921	\$0.02501	per Kwh	249,792
On-Peak	3,865,623	0.02512	per Kwh	97,104	0.02751	per Kwh	106,343
Total Energy	13,853,295			323,025			356,135
Secondary Subtotal	13,853,295			323,025			356,135
Total Energy	16,331,295			358,283			397,316
Demand							
Summer Primary Service							
Off-Peak	0.0	\$0.00	per KW	0	\$0.00	per Kw	0
On-Peak	1,761.1	15.25	per KW	26,857	15.96	per Kw	28,107
Total Summer Demand	1,761.1			26,857			28,107
Winter Primary Service							
Off-Peak	0.0	\$0.00	per KW	0	\$0.00	per Kw	0
On-Peak	3,108.5	12.25	per KW	38,079	12.96	per Kw	40,286
	3,108.5			38,079			40,286
Generation Rider				2,689			
Primary Subtotal	4,869.6			67,625			68,393
Summer Secondary Service							
Off-Peak	0.0	\$0.00	per KW	0	\$0.00	per Kw	0
On-Peak	14,134.0	14.75	per KW	208,477	15.43	per Kw	218,088
Total Summer Demand	14,134.0			208,477			218,088
Winter Secondary Service							
Off-Peak	0.0	\$0.00	per KW	0	\$0.00	per Kw	0
On-Peak	24,706.3	10.75	per KW	265,593	11.43	per Kw	282,393
	24,706.3			265,593			282,393
Generation Rider				21,444			
Secondary Subtotal	38,840.3			495,514			500,481
Total Demand	43,709.9			563,139			568,874
Base Fuel							
Primary	2,478,000	\$0.02179	per Kwh	53,996	\$0.02179	per Kwh	53,996
Secondary	13,853,295	0.02241	per Kwh	310,452	0.02241	per Kwh	310,452
Total Rate 31 Revenue				\$1,331,962			
Total Revenues Per Design							
Primary- Rate 31					\$164,734		
Secondary - Rate 31					1,211,996		
					1,376,730		
Target Revenues					1,376,793		
Difference					(\$63)		

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Large Time-of-Day Electric Service Rate 31
Projected 2023

Derivation of Rate:

Projected Revenues Before Increase				\$1,331,962
Proposed Revenue Increase				<u>44,831</u>
Total Revenue Requirement				1,376,793
Less:				
Proposed Basic Service Charge Revenues				46,092
Proposed Demand Revenues				568,874
Secondary Energy Differential	\$0.00905	13,853,295	Kwh	125,372
On-Peak Energy Differential	0.00250	4,518,423	Kwh	11,296
Projected Base Fuel				<u>364,448</u>
Subtotal				1,116,082
Net to be Collected Through Energy				<u>\$260,711</u>
Total Kwh Sales				16,331,295
Proposed Energy Charges:				
Primary Off-Peak				\$0.01596
Primary On-Peak				\$0.01846
Secondary Off-Peak				\$0.02501
Secondary On-Peak				\$0.02751

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
General Space Heating Electric Service Rate 32
Projected 2023

General Space Heating Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge					
Primary Service	0	\$21.00 per month	\$0	\$23.00 per month	\$0
Secondary Service	603	21.00 per month	151,956	23.00 per month	166,428
Total Base Rate	603		151,956		166,428
Energy					
Primary Service	0	\$0.01422 per Kwh	0	\$0.01772 per Kwh	0
Riders			0		0
Subtotal	0		0		0
Secondary Service	57,227,301	\$0.02422 per Kwh	1,386,045	\$0.02772 per Kwh	1,586,341
Generation Rider					
Subtotal	57,227,301		1,386,045		1,586,341
Total Energy	57,227,301		1,386,045		1,586,341
Demand					
Primary Service - Summer	0.0	\$14.00 per Kw	0	\$15.85 per Kw	0
Primary Service - Winter	0.0	1.00 per Kw	0	1.71 per Kw	0
Riders			0		0
Subtotal	0.0		0		0
Secondary Service - Summer	39,291.9	\$12.50 per Kw	491,149	\$13.08 per Kw	513,938
Secondary Service - Winter	231,145.8	1.00 per Kw	231,146	1.71 per Kw	395,259
Generation Rider			65,470		
Subtotal	270,437.7		787,765		909,197
Total Demand	270,437.7		787,765		909,197
Base Fuel					
Primary Service	0	\$0.02179 per Kwh	0	\$0.02179 per Kwh	0
Secondary Service	57,227,301	0.02241 per Kwh	1,282,464	0.02241 per Kwh	1,282,464
Total Base Fuel	57,227,301		1,282,464		1,282,464
Total Rate 32 Revenue			<u>\$3,608,230</u>		<u>\$3,944,430</u>
Total Revenues Per Design					
Secondary					3,944,430
Total					3,944,430
Target Revenue					3,944,358
Difference					\$72

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
General Space Heating Electric Service Rate 32
*Projected 2023***

Derivation of Rate:

Projected Revenues Before Increase	\$3,608,230
Proposed Revenue Increase	336,128
Total Revenue Requirement	<u>3,944,358</u>
Less:	
Proposed Basic Service Charge Revenues	
Secondary Service	166,428
Proposed Summer Demand Revenues	
Secondary Service	513,938
Secondary Energy	1,586,341
Projected Base Fuel	<u>1,282,464</u>
Subtotal	<u>3,549,171</u>
Net to be Collected Through Secondary Deman	<u>\$395,187</u>
Total Winter Demand	231,146
Proposed Energy Charges:	
Winter - Primary & Secondary	\$1.71

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Interruptible Large Power Demand Response Rate 38
Projected 2023

Large Demand Response	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	4	Per Contract	\$7,140	\$100.00 per month	\$4,800
Energy	31,986,100	\$0.01252 per Kwh	400,466	\$0.01203 per Kwh	384,793
Demand					
Summer	34,757.1	\$11.00 per KW	382,328	\$12.35 per KW	429,250
Winter	69,417.6	8.00 per KW	555,340	9.35 per KW	649,055
Generation Rider			57,516		
Total Demand	104,174.7		995,184		1,078,305
Base Fuel	31,986,100	\$0.02179 per Kwh	696,977	\$0.02179 per Kwh	696,977
Total Rate 38 Revenue			<u>\$2,099,767</u>		<u>\$2,164,875</u>
Total Revenues Per Design					\$2,164,875
Target Revenues					<u>2,164,768</u>
Difference					<u>\$107</u>

Derivation of Rate:

Projected Revenues Before Increase	\$2,099,767
Proposed Revenue Increase	<u>65,001</u>
Total Revenue Requirement	<u>2,164,768</u>
Less:	
Proposed Basic Service Charge Revenues	4,800
Proposed Demand Revenues	1,078,305
Projected Base Fuel	<u>696,977</u>
Subtotal	<u>1,780,082</u>
Net to be Collected Through Energy	<u>\$384,686</u>
Total Kwh Sales	31,986,100
Proposed Energy Charge	\$0.01203

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Municipal Service Rate 40
Projected 2023

Small Municipal Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge					
Non-Demand	233	\$0.84 per day	\$71,438	\$1.15 per day	\$97,748
Demand	38	1.00 per day	13,870	1.30 per day	18,031
Total Base Rate	271		85,308		115,779
Energy					
Non-Demand Service					
Summer	393,049	\$0.03402 per Kwh	13,372	\$0.04321 per Kwh	16,984
Winter					
First 750 Kwh	629,155	\$0.03402 per Kwh	21,404	\$0.04321 per Kwh	27,186
Over 750 Kwh	588,879	0.02302 per Kwh	13,556	0.03221 per Kwh	18,968
Subtotal	1,218,034		34,960		46,154
Demand Service	1,659,753	\$0.01302 per Kwh	21,610	\$0.02221 per Kwh	36,863
Generation Rider			6,117		
Total Energy	3,270,836		76,059		100,001
Demand					
Summer	2,700.6	\$11.25 per Kw	30,382	\$15.19 per Kw	41,022
Winter					
1st 10 Kw	2,556.1	\$0.00 per Kw	\$0	\$0.00 per Kw	0
Over 10 Kw	1,964.2	8.25 per Kw	16,205	12.19 per Kw	23,944
	4,520.3		16,205		23,944
Total Demand	7,220.9		46,587		64,966
Base Fuel					
Non-Demand Service	1,611,083	\$0.02241 per Kwh	36,104	\$0.02241 per Kwh	36,104
Demand Service	1,659,753	0.02241 per Kwh	37,195	0.02241 per Kwh	37,195
Total Base Fuel	3,270,836		73,299		73,299
Total Rate 40 Revenue	3,270,836		<u>\$281,253</u>		<u>\$354,045</u>
Total Revenues Per Design					
Non-Demand Service					\$196,990
Demand Service					157,055
Total					354,045
Target Revenues					354,037
Difference					<u>\$8</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Municipal Service Rate 40
Projected 2023**

Derivation of Rate:

Projected Revenues Before Increase				\$281,253
Proposed Revenue Increase				<u>72,784</u>
Total Revenue Requirement				\$354,037
Less:				
Proposed Basic Service Charge Revenues				115,779
Proposed Demand Revenues				64,966
Summer- 1st 750 Winter Differential	(\$0.01100)	588,879	Kwh	(6,478)
Non-Demand Energy Differential	\$0.02100	1,611,083	Kwh	33,833
Projected Base Fuel				<u>73,299</u>
Subtotal				281,399
Net to be Collected Through Energy				<u>\$72,638</u>
Total Kwh Sales				3,270,836
Proposed Energy Charges:				
Demand Service				\$0.02221
Non-Demand Rate:				
Winter - 1st 750				\$0.04321
Winter - Over 750				0.03221
Summer				\$0.04321

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Municipal Lighting Service Rate 41
Projected 2023

Municipal Lighting Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge					
Primary	0	\$0.00 per month	\$0	\$0.00 per month	\$0
Secondary	0	0.00 per month	0	0.00 per month	0
Energy					
Primary	1,174,555	\$0.05096 per Kwh	59,855	\$0.05180 per Kwh	60,842
Generation Rider			975		0
Secondary	12,133,777	0.05596 per Kwh	679,006	0.05680 per Kwh	689,199
Generation Rider			10,178		0
Total Energy	13,308,332		750,014		750,041
Base Fuel					
Primary	1,174,555	\$0.02179 per Kwh	25,594	\$0.02179 per Kwh	25,594
Secondary	12,133,777	0.02241 per Kwh	271,918	0.02241 per Kwh	271,918
Total Base Fuel	13,308,332		297,512		297,512
Discount @ 10% - Excluding Base Fuel					
Primary	1,174,555		(5,990)		
Secondary	10,946,620		(61,301)		
Total Discount	12,121,175		(67,291)		0
Total Rate 41 Revenue			<u>\$980,235</u>		<u>\$1,047,553</u>
Total Revenues Per Design					\$1,047,553
Target Revenues					<u>1,047,526</u>
Difference					<u>\$27</u>

Derivation of Rate:

Projected Revenues Before Increase		\$980,235
Proposed Revenue Increase		<u>67,291</u>
Total Revenue Requirement		1,047,526
Less:		
Proposed Basic Service Charge Revenues		0
Secondary Differential	\$0.0050 12,133,777 Kwh	60,669
Projected Base Fuel		<u>297,512</u>
Subtotal		358,181
Net to be Collected Through Energy		\$689,345
Total Kwh Sales		13,308,332
Proposed Energy Charges:		
Primary		\$0.05180
Secondary		0.05680

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Municipal Pumping Service Rate 48
Projected 2023**

Municipal Pumping Service	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge					
Primary	5	\$80.00 per month	\$4,800	\$80.00 per month	\$4,800
Secondary	303	45.00 per month	163,620	45.00 per month	163,620
Excess Facilities Charge	1		2,330		2,330
Total Basic Service Charge			170,750		170,750
Energy					
Primary	23,520,600	\$0.01798 per Kwh	422,900	\$0.01826 per Kwh	429,486
Riders			0		
Secondary	22,345,983	0.01898 per Kwh	424,127	0.01926 per Kwh	430,384
Riders			0		
Total Energy	45,866,583		847,027		859,870
Demand					
Summer					
Primary	20,780.4	\$9.00 per KW	187,024	\$12.00 per KW	249,365
Secondary	29,257.8	9.00 per KW	263,320	12.00 per KW	351,094
Subtotal	50,038.2		450,344		600,459
Winter					
Primary	30,215.0	\$6.00 per KW	181,290	\$9.00 per KW	271,935
Secondary	54,427.1	6.00 per KW	326,563	9.00 per KW	489,844
Subtotal	84,642.1		507,853		761,779
Generation Rider- Primary			25,340		
Generation Rider- Secondary			42,323		
Total Demand	134,680.3		1,025,860		1,362,238
Base Fuel					
Primary	23,520,600	\$0.02179 per Kwh	512,514	\$0.02179 per Kwh	512,514
Secondary	22,345,983	0.02241 per Kwh	500,773	0.02241 per Kwh	500,773
Subtotal	45,866,583		1,013,287		1,013,287
Primary Discounted (all accounts)			(79,649)		(95,559)
Secondary Discounted					
Bills	248		(13,392)		(13,392)
Energy	18,922,797		(35,954)		(36,445)
Demand - Summer	24,690.2		(22,220)		(29,628)
Demand - Winter	45,599.2		(27,360)		(41,039)
Total Discounted			(178,575)		(216,063)
Total Rate 48 Revenue			<u>\$2,878,349</u>		<u>\$3,190,082</u>
Total Revenues Per Design					
Primary					\$1,468,100
Secondary					1,721,982
					<u>\$3,190,082</u>
Target Revenues					3,189,999
Difference					<u>\$83</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Municipal Pumping Service Rate 48
*Projected 2023***

Derivation of Rate:

Projected Revenues Before Increase				\$2,878,349
Proposed Revenue Increase				<u>311,650</u>
Total Revenue Requirement				3,189,999
Less:				
Proposed Basic Service Charge Revenues				156,878
Proposed Demand Revenues				1,239,441
Secondary Differential	\$0.00100	20,453,703	Kwh	20,454
Projected Base Fuel				<u>1,013,287</u>
Subtotal				2,430,060
Net to be Collected Through Energy				<u>\$759,939</u>
Total Kwh Sales				41,622,243
Primary Energy Rate				\$0.01826
Secondary Energy Rate				\$0.01926

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Outdoor Lighting Service Rate 52
Projected 2023

Outdoor Lighting	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	0	\$0.00 per month	\$0	\$0.00 per month	\$0
Energy					
Primary Service	34,081	\$0.06357 per Kwh	2,167	\$0.06766 per Kwh	2,306
Generation Rider			31		0
Secondary Service	3,958,084	0.06763 per Kwh	267,685	0.07172 per Kwh	283,874
Generation Rider			3,641		0
Total Energy	3,992,165		273,524		286,180
Base Fuel					
Primary Service	34,081	\$0.02179 per Kwh	743	\$0.02179 per Kwh	743
Secondary Service	3,958,084	0.02241 per Kwh	88,701	0.02241 per Kwh	88,701
Total Base Fuel	3,992,165		89,444		89,444
Total Revenue			<u>\$362,968</u>		<u>\$375,624</u>
Total Revenues Per Design					\$375,624
Target Revenues					<u>375,642</u>
Difference					<u>(\$18)</u>

Derivation of Rate:

Projected Revenues Before Increase			\$362,968
Proposed Revenue Increase			<u>12,674</u>
Total Revenue Requirement			\$375,642
Less:			
Secondary Energy Differential	\$0.00406	3,958,084 Kwh	16,070
Projected Base Fuel			<u>89,444</u>
Subtotal			105,514
Net to be Collected Through Energy			270,128
Total Kwh Sales			3,992,165
Proposed Energy Charge			
Primary			\$0.06766
Secondary			\$0.07172

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA

Derivation of Rate and Reconciliation
Contract Rate 304
Projected 2023

Contract Rate 304	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	1	\$100.00 per month	\$1,200	\$100.00 per month	\$1,200
Energy					
First 2.3 Million Kwh	26,032,640	\$0.01669 per Kwh	434,485	\$0.02014 per Kwh	524,297
Over 2.3 Million Kwh	1,135,200	0.01144 per Kwh	12,987	0.01489 per Kwh	16,903
	27,167,840		447,472		541,200
Demand					
Summer					
First 5,000 Kw	18,126.8	\$8.58 per KW	155,528	\$9.72 per KW	176,192
Over 5,000 Kw	0.0	5.72 per KW	0	6.48 per KW	0
Winter					
First 5,000 Kw	37,098.1	\$5.72 per KW	212,201	\$6.48 per KW	240,396
Over 5,000 Kw	0.0	5.72 per KW	0	6.48 per KW	0
Generation Rider			30,490		0
			398,219		416,588
Base Fuel	27,167,840	0.02179 per Kwh	591,987	0.02179 per Kwh	591,987
Total Contract Revenues			\$1,438,878		\$1,550,975
Total Revenues Per Design					\$1,550,975
Target Revenues					1,551,000
					(25)
<u>Derivation of Rate:</u>					
Net Increase to Contracts	13.24%				
Projected Revenues Before Increase			\$1,438,878		
Proposed Revenue Increase			112,122		
Total Revenue Requirement			1,551,000		
Less:					
Proposed Basic Service Charge Revenues			\$1,200		
Proposed Demand Revenues			416,588		
Over 2.3 Million Energy Differential	(\$0.00525)	1,135,200	(5,960)		
Proposed Base Fuel			591,987		
			1,003,815		
Net to be Collected Through Energy Charge			\$547,185		
Total Kwh Sales	27,167,840				
Proposed Energy Charges					
First 2.3 million			\$0.02014		
Over 2.3 million			\$0.01489		

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA**

**Derivation of Rate and Reconciliation
Contract Rate 303
Projected 2023**

Contract Rate 303 & 302	Billing Determinants	Projected @ Current Rates		Proposed Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	1	\$100.00 per month	\$1,200	\$100.00 per month	\$1,200
Energy					
First 1.5 Million Kwh	18,000,000	\$0.02148 per Kwh	386,640	\$0.02462 per Kwh	443,160
Over 1.5 Million Kwh	80,750,754	0.01472 per Kwh	1,188,651	0.01786 per Kwh	1,442,208
Total Energy	98,750,754		1,575,291		1,885,368
Demand					
Summer	57,085.5	\$8.56 per KW	488,652	\$9.69 per KW	553,158
Winter	104,431.8	5.44 per KW	568,109	6.16 per KW	643,300
Generation Rider			89,175		0
Total Demand	161,517.3		1,145,936		1,196,458
Base Fuel	98,750,754	\$0.02179 per Kwh	2,151,779	\$0.02179 per Kwh	2,151,779
Total Contract Revenues			<u>\$4,874,206</u>		<u>\$5,234,805</u>
Target Revenues Per Design					\$5,234,805
Target Revenues					<u>5,234,635</u>
					<u>\$170</u>
<u>Derivation of Rate:</u>					
Net Increase to Contracts	13.24%				
Projected Revenues Before Increase			\$4,874,206		
Proposed Revenue Increase			360,429		
Total Revenue Requirement			<u>5,234,635</u>		
Less:					
Proposed Basic Service Charge Revenues			1,200		
Proposed Demand Revenues			1,196,458		
Over 1.5 Million Kwh Energy Differential	(\$0.00676)	80,750,754	(545,875)		
Proposed Base Fuel			2,151,779		
			<u>2,803,562</u>		
Net to be Collected Through Energy Charge			<u>\$2,431,073</u>		
Total Kwh Sales	98,750,754				
Proposed Energy Charges					
First 1.5 Million Kwh			\$0.02462		
Over 1.5 Million Kwh			\$0.01786		

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
Embedded Class Cost of Service Study
Cost of Service by Component
Projected 2023**

	Total North Dakota	Total Residential Rate 10	Total Small General Rate 20	Total Irrigation Rate 25	Total LG Primary Rate 30	Total LG Secondary Rate 30
Revenue Under Current Rates w/o Other	172,902,977	69,769,528	10,032,962	100,003	14,563,657	60,580,979
Fuel Cost Revenue	46,856,898	17,107,895	2,020,628	35,348	4,935,088	16,196,742
Revenue Under Current Rates (w/o Fuel or Other)	126,046,079	52,661,633	8,012,334	64,655	9,628,569	44,384,237
Cost of Service w/o Fuel Cost, Other	143,585,598	72,260,786	9,729,939	190,628	10,903,319	37,929,405
Revenue to cost ratio under current rates	0.88	0.73	0.82	0.34	0.88	1.17
System average Increase w/o Fuel Cost, Other	13.915%					
Revenues at Equalized Rates of Return						
Revenue Increase	17,539,519	19,599,153	1,717,605	125,973	1,274,750	(6,454,832)
Total Revenue at Equalized Rates of Return	143,585,598	72,260,786	9,729,939	190,628	10,903,319	37,929,405
Parity Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Secnario A: Equal Percentage Increase (System average)						
Revenue Increase	17,539,311	7,327,866	1,114,916	8,997	1,339,815	6,176,067
Total Revenue at Equalized Rates of Return	143,585,390	59,989,499	9,127,250	73,652	10,968,384	50,560,304
Percent Increase	13.915%	13.915%	13.915%	13.915%	13.915%	13.915%
Parity Ratio	1.00	0.83	0.94	0.39	1.01	1.33
Secnario B: Minimum Class Increase of 1/3 of System Average, Maximum of 35% Increase, Remainder to Residential						
Minimum 1/3 of System Average Increase (To Elegeible Customers)1/						
Revenue Increase to Parity	17,539,519	19,599,153	1,717,605	125,973	1,274,750	(6,454,832)
% of Increase to Parity	13.915%	37.217%	21.437%	194.839%	13.239%	-14.543%
No Increase Greater than 35%, Remainder to Residential	17,539,519	20,495,065	1,717,605	22,629	1,274,750	(6,454,832)
No Increase Less than 1/3 of System Average, Remainder to Residential 2/	17,539,519	11,084,994	1,717,605	22,629	1,274,750	2,056,630
Total Revenue	143,585,598	63,746,627	9,729,939	87,284	10,903,319	46,440,867
Percent Increase	13.915%	21.049%	21.437%	35.000%	13.239%	4.634%
Parity Ratio	1.00	0.88	1.00	0.46	1.00	1.22
Multiple of System Average Increase	1.00	1.51	1.54	2.52	0.95	0.33

1/ Tesoro and Sabin contracts are tied to Rate 30

2/ Rate 41 increase equal to the elimination of the discount provision.

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
Embedded Class Cost of Service Study
Cost of Service by Component
Projected 2023

	Total North Dakota	Total TOD LG Primary Rate 31	Total TOD LG Secondary Rate 31	Total Space Heating Rate 32	Total Sm Municipal Rate 40	Total Mun Lighting Pri Rate 41
Revenue Under Current Rates w/o Other	172,902,977	158,043	1,173,919	3,608,230	281,253	80,434
Fuel Cost Revenue	46,856,898	53,996	310,452	1,282,464	73,299	25,594
Revenue Under Current Rates (w/o Fuel or Other)	126,046,079	104,047	863,467	2,325,766	207,954	54,840
Cost of Service w/o Fuel Cost, Other	143,585,598	108,153	706,851	2,661,894	325,822	38,602
Revenue to cost ratio under current rates	0.88	0.96	1.22	0.87	0.64	1.42
System average Increase w/o Fuel Cost, Other	13.915%					
Revenues at Equalized Rates of Return						
Revenue Increase	17,539,519	4,106	(156,616)	336,128	117,868	(16,238)
Total Revenue at Equalized Rates of Return	143,585,598	108,153	706,851	2,661,894	325,822	38,602
Parity Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Secnario A: Equal Percentage Increase (System average)						
Revenue Increase	17,539,311	14,478	120,151	323,630	28,937	7,631
Total Revenue at Equalized Rates of Return	143,585,390	118,525	983,618	2,649,396	236,891	62,471
Percent Increase	13.915%	13.915%	13.915%	13.915%	13.915%	13.915%
Parity Ratio	1.00	1.10	1.39	1.00	0.73	1.62
Secnario B: Minimum Class Increase of 1/3 of System Average, Maximum of 35% Increase						
Minimum 1/3 of System Average Increase (To Elegeible Customers)1/						
Revenue Increase to Parity	17,539,519	4,106	(156,616)	336,128	117,868	(16,238)
% of Increase to Parity	13.915%	3.946%	-18.138%	14.452%	56.680%	-29.610%
No Increase Greater than 35%, Remainder to Residential	17,539,519	4,106	(156,616)	336,128	72,784	(16,238)
No Increase Less than 1/3 of System Average, Remainder to Residential 2/	17,539,519	4,821	40,010	336,128	72,784	5,990
Total Revenue	143,585,598	108,868	903,477	2,661,894	280,738	60,830
Percent Increase	13.915%	4.634%	4.634%	14.452%	35.000%	10.923%
Parity Ratio	1.00	1.01	1.28	1.00	0.86	1.58
Multiple of System Average Increase	1.00	0.33	0.33	1.04	2.52	0.78

1/ Tesoro and Sabin contracts are tied to Rate 30

2/ Rate 41 increase equal to the elimination of the discount provision.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
Embedded Class Cost of Service Study
Cost of Service by Component
Projected 2023**

	Total North Dakota	Total Mun Lighting Sec Rate 41	Total Mun Pumping Pri Rate 48	Total Mun Pumping Sec Rate 48	Total Outdoor Lighting Rate 52
Revenue Under Current Rates w/o Other	172,902,977	899,801	1,254,219	1,624,130	362,968
Fuel Cost Revenue	46,856,898	271,918	512,514	500,773	89,444
Revenue Under Current Rates (w/o Fuel or Other)	126,046,079	627,883	741,705	1,123,357	273,524
Cost of Service w/o Fuel Cost, Other	143,585,598	448,641	1,022,867	1,097,109	270,340
Revenue to cost ratio under current rates	0.88	1.40	0.73	1.02	1.01
System average Increase w/o Fuel Cost, Other	13.915%				
Revenues at Equalized Rates of Return					
Revenue Increase	17,539,519	(179,242)	281,162	(26,248)	(3,184)
Total Revenue at Equalized Rates of Return	143,585,598	448,641	1,022,867	1,097,109	270,340
Parity Ratio	1.00	1.00	1.00	1.00	1.00
Secnario A: Equal Percentage Increase (System average)					
Revenue Increase	17,539,311	87,370	103,208	156,315	38,061
Total Revenue at Equalized Rates of Return	143,585,390	715,253	844,913	1,279,672	311,585
Percent Increase	13.915%	13.915%	13.915%	13.915%	13.915%
Parity Ratio	1.00	1.59	0.83	1.17	1.15
Secnario B: Minimum Class Increase of 1/3 of System Average, Maximum of 35% Increase					
Minimum 1/3 of System Average Increase (To Eligible Customers)1/					
Revenue Increase to Parity	17,539,519	(179,242)	281,162	(26,248)	(3,184)
% of Increase to Parity	13.915%	-28.547%	37.908%	-2.337%	-1.164%
No Increase Greater than 35%, Remainder to Residential	17,539,519	(179,242)	259,597	(26,248)	(3,184)
No Increase Less than 1/3 of System Average, Remainder to Residential 2/	17,539,519	61,301	259,597	52,053	12,674
Total Revenue	143,585,598	689,184	1,001,302	1,175,410	286,198
Percent Increase	13.915%	9.763%	35.000%	4.634%	4.634%
Parity Ratio	1.00	1.54	0.98	1.07	1.06
Multiple of System Average Increase	1.00	0.70	2.52	0.33	0.33

1/ Tesoro and Sabin contracts are tied to Rate 30

2/ Rate 41 increase equal to the elimination of the discount provision.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
Embedded Class Cost of Service Study
Cost of Service by Component
Projected 2023**

	Total North Dakota	Total IT Demand Response Rate 38	Total Contract - Tesoro	Total Contract - Sabin
Revenue Under Current Rates w/o Other	172,902,977	2,099,767	4,874,206	1,438,878
Fuel Cost Revenue	46,856,898	696,977	2,151,779	591,987
Revenue Under Current Rates (w/o Fuel or Other)	126,046,079	1,402,790	2,722,427	846,891
Cost of Service w/o Fuel Cost, Other	143,585,598	1,123,454	3,502,837	1,264,951
Revenue to cost ratio under current rates	0.88	1.25	0.78	0.67
System average Increase w/o Fuel Cost, Other	13.915%			
Revenues at Equalized Rates of Return				
Revenue Increase	17,539,519	(279,336)	780,410	418,060
Total Revenue at Equalized Rates of Return	143,585,598	1,123,454	3,502,837	1,264,951
Parity Ratio	1.00	1.00	1.00	1.00
Secnario A: Equal Percentage Increase (System average)				
Revenue Increase	17,539,311	195,198	378,826	117,845
Total Revenue at Equalized Rates of Return	143,585,390	1,597,988	3,101,253	964,736
Percent Increase	13.915%	13.915%	13.915%	13.915%
Parity Ratio	1.00	1.42	0.89	0.76
Secnario B: Minimum Class Increase of 1/3 of System Average, Maximum of 35% Increase				
Minimum 1/3 of System Average Increase (To Elegeible Customers)1/				
Revenue Increase to Parity	17,539,519	(279,336)	780,410	418,060
% of Increase to Parity	13.915%	-19.913%	28.666%	49.364%
No Increase Greater than 35%, Remainder to Residential	17,539,519	(279,336)	360,429	112,122
No Increase Less than 1/3 of System Average, Remainder to Residential 2/	17,539,519	65,001	360,429	112,122
Total Revenue	143,585,598	1,467,791	3,082,856	959,013
Percent Increase	13.915%	4.634%	13.239%	13.239%
Parity Ratio	1.00	1.31	0.88	0.76
Multiple of System Average Increase	1.00	0.33	0.95	0.95

1/ Tesoro and Sabin contracts are tied to Rate 30

2/ Rate 41 increase equal to the elimination of the discount provision.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
WORKPAPERS INDEX**

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MONTANA-DAKOTA UTILITIES CO.
SUMMARY OF PLANT AND RESERVE
RETIREMENTS
ELECTRIC UTILITY - NORTH DAKOTA
2019-2021

	Average	2019	2020	2021
<u>Plant</u>				
<u>Plant Retirements</u>				
Steam Production 2/	\$3,004,723	\$4,620,021	\$2,411,312	\$1,982,835
Other Production 2/	474,310	166,608	508,839	747,482
Transmission 2/	4,396,459 3/	156,493	545,502	4,544,237
Distribution	3,193,424	3,729,982	2,329,272	3,521,017
General	1,210,353	1,497,361	1,295,195	838,502
General - Intangible	0	0	0	0
Common	752,232	729,859	1,000,684	526,154
Common - Intangible	85,021	106,009	11,488	137,567
Total	<u>\$13,116,522</u>	<u>\$11,006,333</u>	<u>\$8,102,292</u>	<u>\$12,297,794</u>
 <u>Plant in Service 1/</u>				
Steam Production 2/	\$259,029,595	\$349,481,871	\$216,623,600	\$210,983,315
Other Production 2/	107,000,890	105,052,163	105,705,097	110,245,411
Transmission 2/	226,279,687	214,234,395	233,050,120	231,554,545
Distribution	301,897,549	293,620,229	303,118,125	308,954,293
General	20,698,060	20,347,694	20,669,044	21,077,443
General - Intangible 2/	7,471,597	7,260,786	6,818,363	8,335,643
Common	38,932,911	35,717,717	40,499,078	40,581,938
Common - Intangible	20,345,304	20,422,633	21,062,599	19,550,680
Total	<u>\$981,655,593</u>	<u>\$1,046,137,488</u>	<u>\$947,546,026</u>	<u>\$951,283,268</u>
 <u>Retirement Ratio - Plant</u>				
Steam Production	1.16%	1.32%	1.11%	0.94%
Other Production	0.44%	0.16%	0.48%	0.68%
Transmission	1.94% 3/	0.07%	0.23%	1.96%
Distribution	1.06%	1.27%	0.77%	1.14%
General	5.85%	7.36%	6.27%	3.98%
General - Intangible	0.00%	0.00%	0.00%	0.00%
Common	1.93%	2.04%	2.47%	1.30%
Common - Intangible	0.42%	0.52%	0.05%	0.70%

1/ Does not include acquisition adjustment.

2/ Plant and retirement totals do not include totals reported in the Renewable and Transmission Rider and do not include totals for Heskett Units I & II and Lewis & Clark Unit I that are/will be retired.

3/ Based on projected retirements.

**MONTANA-DAKOTA UTILITIES CO.
PREPAID INSURANCE BALANCES
ELECTRIC UTILITY - NORTH DAKOTA
WORKPAPER**

	D & O Liability	Fiduciary Liability	Third Party Liability	Property/ All Risk	Blanket Crime	Special Conting.	Hired and Non-owned Aircraft	Coyote Station	Big Stone	Total
December	\$116,307	\$15,035	\$1,298	(\$3,081)	\$5,229	\$244	\$472	\$33,052	\$31,823	\$200,379
January 2021	104,226	13,266	894,094	453,996	4,635	182	427	58,677	50,586	\$1,580,089
February	92,646	11,792	812,686	412,443	4,120	121	384	44,039	37,186	1,415,417
March	81,065	10,318	741,779	370,891	3,605	61	342	29,400	23,648	1,261,109
April	69,483	8,844	659,204	329,339	3,090	0	299	174,971	164,284	1,409,514
May	57,904	7,370	578,390	287,786	2,575	0	256	158,084	148,548	1,240,913
June	46,322	5,896	495,755	246,234	2,060	0	214	141,197	132,813	1,070,491
July	34,743	4,422	413,120	204,681	1,545	0	171	125,111	117,805	901,598
August	23,161	2,948	314,878	163,129	1,030	0	128	107,204	101,208	713,686
September	11,580	1,474	236,176	121,577	515	0	85	90,372	85,516	547,295
October	0	0	157,473	80,024	0	0	43	73,540	69,824	380,904
November	(17,470)	0	78,009	38,472	0	1,490	371,712	56,708	54,132	583,053
December	147,178	15,622	6,913	(3,081)	5,436	1,439	644	39,875	38,439	252,465
Amortization - 2022	14,718 1/	1,562 1/	95,238 2/	38,675 2/	544 1/	49 3/	59 1/	4/	4/	
January 2021	\$132,460	\$14,060	\$1,047,622	\$425,425	\$4,892	\$1,390	\$585	\$73,774	\$63,838	\$1,764,046
February	117,742	12,498	952,384	386,750	4,348	1,341	526	56,192	47,551	1,579,332
March	103,024	10,936	857,146	348,075	3,804	1,292	467	38,610	31,264	1,394,618
April	88,306	9,374	761,908	309,400	3,260	1,243	408	200,240	186,979	1,561,118
May	73,588	7,812	666,670	270,725	2,716	1,194	349	180,866	169,033	1,372,953
June	58,870	6,250	571,432	232,050	2,172	1,145	290	161,492	151,087	1,184,788
July	44,152	4,688	476,194	193,375	1,628	1,096	231	142,118	133,141	996,623
August	29,434	3,126	380,956	154,700	1,084	1,047	172	122,744	115,195	808,458
September	14,716	1,564	285,718	116,025	540	998	113	103,370	97,249	620,293
October	0	0	190,480	77,350	0	949	54	83,996	79,303	432,132
November	176,225	12,602	95,242	38,675	6,408	900	0	64,622	61,357	456,031
December	160,205	11,456	0	0	5,825	851	705	45,248	43,411	267,701

**MONTANA-DAKOTA UTILITIES CO.
PREPAID INSURANCE BALANCES
ELECTRIC UTILITY - NORTH DAKOTA
WORKPAPER**

	D & O Liability	Fiduciary Liability	Third Party Liability	Property/ All Risk	Blanket Crime	Special Conting.	Hired and Non-owned Aircraft	Coyote Station	Big Stone	Total
Projected 2023 Premium Amortization - 2023	192,245 5/ 16,020	13,748 5/ 1,146	1,294,174 107,848	564,551 47,046	6,991 5/ 583	49 3/	769 6/ 64	4/	4/	
January 2021	\$144,185	\$10,310	\$1,186,326	\$517,505	\$5,242	\$802	\$641	\$82,075	\$70,975	\$2,018,061
February	128,165	9,164	1,078,478	470,459	4,659	753	577	62,273	52,684	1,807,212
March	112,145	8,018	970,630	423,413	4,076	704	513	42,471	34,393	1,596,363
April	96,125	6,872	862,782	376,367	3,493	655	449	220,264	205,680	1,772,687
May	80,105	5,726	754,934	329,321	2,910	606	385	198,953	185,940	1,558,880
June	64,085	4,580	647,086	282,275	2,327	557	321	177,642	166,200	1,345,073
July	48,065	3,434	539,238	235,229	1,744	508	257	156,331	146,460	1,131,266
August	32,045	2,288	431,390	188,183	1,161	459	193	135,020	126,720	917,459
September	16,025	1,142	323,542	141,137	578	410	129	113,709	106,980	703,652
October	0	0	215,694	94,091	0	361	65	92,398	87,240	489,849
November	176,225	12,602	107,846	47,045	6,408	312	0	71,087	67,500	489,025
December	160,205	11,456	0	0	5,825	263	705	49,776	47,760	275,990

1/ Amortization based on 10 months remaining at the end of December 2021, and 11 months remaining for Hired and Non-owned Aircraft liability.

2/ Amortization for 2022 outlined below:

	Third Party Liability	Property/ All Risk
Dec. 2021 Ending Balance:	6,913	(3,081)
Projected 2022 Premium:	1,135,947	467,181
Total 2022 Premium:	1,142,860	464,100
Monthly Amortization:	95,238	38,675

3/ Special Contingency monthly amortization:

Annual Premium:	587
Monthly Amortization:	49

4/ Coyote and Big Stone include two policies with different effective dates:

	2022			2023	
	Coyote	Big Stone		Coyote	Big Stone
Property Ins. Balance Dec. 2021:	39,875	38,439	Property Ins. Balance Dec. 2022:	45,248	43,411
Amortization (Jan - Mar. 2022):	13,292	12,813	Amortization (Jan - Mar. 2023):	15,083	14,470
Auto/Excess Premium eff January 2022:	51,481	41,686	Auto/Excess Premium eff January 2023:	56,629	45,855
Amortization (Jan - Dec. 2022):	4,290	3,474	Amortization (Jan - Dec. 2023):	4,719	3,821
Property Premium eff January 2022:	181,004	173,661	Property Premium eff January 2023:	199,104	191,027
Amortization (April 2022 - March. 2023):	15,084	14,472	Amortization (April 2023 - March. 2024):	16,592	15,919

5/ Premium effective November 1, 2022.

6/ Premium effective December 1, 2022.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
PROVISION FOR PENSION AND BENEFITS
WORKPAPER**

	Per Books		Projected	
	2020	2021	2022	2023
<u>Pensions</u>				
Pension Costs	\$88,626,322	\$81,646,182	\$81,646,182	\$81,646,182
Deferred Pension	(28,691,542)	(20,983,684)	(20,168,997)	(19,841,997)
Net	\$59,934,780	\$60,662,498	\$61,477,185	\$61,804,185
Allocation to electric	\$25,112,673	\$24,507,649	\$23,791,671	\$23,918,220
Allocation to North Dakota	\$16,513,276	\$16,127,559	\$15,567,489	\$15,650,294
		24.66%	25.87%	25.86%
<u>DIT Pension</u>				
Pension Costs - Federal	(\$19,566,811)	(\$18,041,884)	(\$814,687)	(\$327,000)
Pension Costs - State	(3,161,226)	(2,914,858)	24.4%	24.4%
Deferred Pension - Federal	6,840,453	5,162,706	(\$198,824)	(\$79,804)
Deferred Pension - State	1,105,148	834,090		
	(\$14,782,436)	(\$14,959,946)	(\$198,824)	(\$79,804)
Allocation to electric	(\$6,193,841)	(\$6,043,818)	(\$76,945)	(\$30,884)
Allocation to North Dakota	(\$4,072,868)	(\$3,977,209)	(\$50,347)	(\$20,208)
			(\$4,027,556)	(\$4,047,764)

Change in Balance
Effective Tax Rate
Change in Deferred Taxes

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
PROVISION FOR POST RETIREMENT
WORKPAPER**

	Per Books			Projected	
	2020	2021		2022	2023
Postretirement					
Deferred Postretirement	(\$10,407,330)	(\$13,434,594)		(\$13,434,594)	(\$13,434,594)
Postretirement	18,687,282	23,960,055		26,753,762	29,170,762
Net	\$8,279,952	\$10,525,461		\$13,319,168	\$15,736,168
Allocation to electric	\$3,469,300	\$4,252,286		\$5,154,518	\$6,089,897
Allocation to North Dakota	\$2,281,299	\$2,798,269		\$3,372,731	\$3,984,773
		24.39%		25.36%	25.21%
<u>DIT Postretirement</u>					
Deferred Postretirement Costs - Federal	\$2,302,529	\$2,934,230	Change in Balance	(\$2,793,707)	(\$2,417,000)
Deferred Postretirement Costs - State	371,998	474,056	Effective Tax Rate	24.4%	24.4%
Postretirement - Federal	(4,041,319)	(5,144,577)	Change in Deferred Taxes	(\$681,801)	(\$589,866)
Postretirement - State	(652,918)	(831,161)			
	(\$2,019,710)	(\$2,567,452)		(\$681,801)	(\$589,866)
Allocation to electric	(\$846,258)	(\$1,037,251)		(\$263,857)	(\$228,278)
Allocation to North Dakota	(\$556,472)	(\$682,576)		(\$172,648)	(\$149,368)
				(\$855,224)	(\$1,004,592)

Changes in benefit obligation and plan assets and amounts recognized in the Comparative Balance Sheet at December 31 were as follows:

	Pension Benefits		Other Postretirement Benefits	
	2021	2020	2021	2020
(In thousands)				
Change in benefit obligation:				
Benefit obligation at beginning of year	\$ 212,723	\$ 206,730	\$ 32,948	\$ 32,643
Service cost	—	—	522	489
Interest cost	4,751	5,888	709	938
Plan participants' contributions	—	—	191	260
Actuarial (gain) loss	(6,105)	12,282	(5,938)	712
Benefits paid	(11,943)	(12,177)	(1,523)	(2,094)
Benefit obligation at end of year	199,426	212,723	26,909	32,948
Change in net plan assets:				
Fair value of plan assets at beginning of year	184,031	176,548	51,635	48,063
Actual return on plan assets	6,354	19,660	547	5,377
Employer contribution	—	—	19	29
Plan participants' contributions	—	—	191	260
Benefits paid	(11,943)	(12,177)	(1,523)	(2,094)
Fair value of net plan assets at end of year	178,442	184,031	50,869	51,635
Funded status – over (under)	\$ (20,984)	\$ (28,692)	\$ 23,960	\$ 18,687
Amounts recognized in the Comparative Balance Sheet at December 31:				
Noncurrent assets - other	\$ —	—	23,960	\$ 18,687
Noncurrent liabilities - other	\$ 20,984	28,692	—	\$ —
Net amount recognized	\$ (20,984)	(28,692)	23,960	\$ 18,687
Amounts recognized in regulatory assets or liabilities:				
Actuarial (gain) loss	\$ 81,646	\$ 88,626	\$ (9,869)	\$ (5,910)
Prior service credit	—	—	(3,565)	(4,497)
Total	\$ 81,646	\$ 88,626	\$ (13,434)	\$ (10,407)

Employer contributions and benefits paid in the preceding table include only those amounts contributed directly to, or paid directly from, plan assets. Amounts related to regulated operations are recorded as regulatory assets or liabilities and are expected to be reflected in rates charged to customers over time. For more information on regulatory assets and liabilities, see Note 5.

In 2021, the actuarial gain recognized in the benefit obligation was primarily the result of an increase in the discount rate. In 2020, the actuarial loss recognized in the benefit obligation was primarily the result of a decrease in the discount rate. For more information on the discount rates, see the table below. Unrecognized pension actuarial losses in excess of 10 percent of the greater of the projected benefit obligation or the market-related value of assets are amortized over the average life expectancy of plan participants for frozen plans. The market-related value of assets is determined using a five-year average of assets.

Name of Respondent:	This report is:	Date of Report	Year/Period of Report	Statement D
Montana-Dakota Utilities Co.	(1) ☒ An Original (2) ☐ A Resubmission	12/31/21	End of 2021/Q4	Schedule D-1
				Page 6 of 6

The pension plans all have accumulated benefit obligations in excess of plan assets. The projected benefit obligation, accumulated benefit obligation and fair value of plan assets for these plans at December 31 were as follows:

	2021	2020
	(In thousands)	
Projected benefit obligation	\$ 199,426	\$ 212,723
Accumulated benefit obligation	\$ 199,426	\$ 212,723
Fair value of plan assets	\$ 178,442	\$ 184,031

The components of net periodic benefit cost (credit) are included in operating expenses on the Statement of Income. Prior service credit is amortized on a straight-line basis over the average remaining service period of active participants. These components related to the Company's pension and other postretirement benefit plans for the years ended December 31 were as follows:

	Pension Benefits		Other Postretirement Benefits	
	2021	2020	2021	2020
	(In thousands)			
Components of net periodic benefit cost (credit):				
Service cost	\$ —	\$ —	\$ 522	\$ 489
Interest cost	4,751	5,888	709	938
Expected return on assets	(9,358)	(9,555)	(2,526)	(2,514)
Amortization of prior service credit	—	—	(931)	(931)
Recognized net actuarial loss	3,879	3,489	—	—
Net periodic benefit credit, including amount capitalized	(728)	(178)	(2,226)	(2,018)
Less amount capitalized	—	—	130	119
Net periodic benefit credit	(728)	(178)	(2,356)	(2,137)
Other changes in plan assets and benefit obligations recognized in regulatory assets or liabilities:				
Net (gain) loss	(3,101)	2,330	(3,958)	(2,278)
Amortization of actuarial loss	(3,879)	(3,645)	—	—
Amortization of prior service credit	—	—	931	945
Total recognized in regulatory assets or liabilities	(6,980)	(1,315)	(3,027)	(1,333)
Total recognized in net periodic benefit credit and regulatory assets or liabilities	\$ (7,708)	\$ (1,493)	\$ (5,383)	\$ (3,470)

Weighted average assumptions used to determine benefit obligations at December 31 were as follows:

	Pension Benefits		Other Postretirement Benefits	
	2021	2020	2021	2020
Discount rate	2.63%	2.29%	2.65%	2.28%
Expected return on plan assets	6.00%	6.00%	5.50%	5.50%

Montana-Dakota Utilities Co.
Electric Utility- North Dakota
Summary of Customers
Authorized, Actual 2016 through 2021 and Projected 2022 and 2023

Rate Reporting Class	Authorized	Per Books 1/						Growth Factor	Projected by Rate Schedule	
		2016	2017	2018	2019	2020	2021		2022	2023
Residential Service										
Rate 10	79,991	79,613	79,186	79,311	79,356	79,545	79,576	0.367%	79,868 2/	80,161 2/
Rate 13	4	4	4	4	4	3	4		4 3/	4 3/
Rate 16	8	8	8	7	5	5	4		4 3/	4 3/
Total Residential	80,003	79,625	79,198	79,322	79,365	79,553	79,584		79,876	80,169
Small General Service										
Rate 20	11,272	10,198	10,017	9,975	9,921	10,075	10,162	1.215%	10,285 2/	10,410 2/
Rate 25	46	42	41	41	39	45	49		49 3/	49 3/
Rate 26	240	188	248	250	251	253	270		270 3/	270 3/
Rate 40	309	294	288	286	284	278	271		271 3/	271 3/
Total Small General	11,867	10,722	10,594	10,552	10,495	10,651	10,752		10,875	11,000
Large General Service										
Rate 30 Secondary	4,587	4,164	4,296	4,396	4,491	4,468	4,434	1.296%	4,491 2/	4,549 2/
Customer Request to Move									17 4/	17 4/
Rate 30 Secondary									4,508	4,566
Rate 30 Primary	43	38	39	38	37	41	39		40 5/	40 5/
Rate 30 Contracts										
Tesoro	2	2	2	2	1	1	1		1 3/	1 3/
Sabin	1	1	1	1	1	1	1		1 3/	1 3/
Rate 31 Primary	1	1	1	1	1	1	1		1 3/	1 3/
Rate 31 Secondary	68	62	72	73	71	68	67	1.596%	51 4/ 6/	52 2/
Rate 32 Secondary	623	558	567	577	581	582	587	1.308%	595 2/	603 2/
Rate 34		0	1	1	1	1	0			
Rate 38	2	2	2	2	2	3	3		2 5/	3 7/
Capitol	1	1	1	1	1	1	1		1 3/	1 3/
Contract (Amer Coll)	1	1	1	1	1	1	1		1 3/	7/
Total Large General	5,329	4,830	4,983	5,093	5,188	5,168	5,135		5,201	5,268

**Montana-Dakota Utilities Co.
Electric Utility- North Dakota
Summary of Customers
Authorized, Actual 2016 through 2021 and Projected 2022 and 2023**

Rate Reporting Class	Authorized	Per Books 1/						Growth Factor	Projected by Rate Schedule	
		2016	2017	2018	2019	2020	2021		2022	2023
Municipal Lighting Service										
Rate 41 Primary	49	49	48	46	46	46	44		44 3/	44 3/
Rate 41 Secondary	512	549	560	573	576	570	598		598 3/	598 3/
Total Municipal Light	561	598	608	619	622	616	642		642	642
Municipal Pumping Service										
Rate 48 Secondary	319	316	317	315	313	309	303		303 3/	303 3/
Rate 48 Primary	4	4	5	5	5	5	5		5 3/	5 3/
Total Municipal Pumping	323	320	322	320	318	314	308		308	308
Outdoor Lighting Service										
Rate 52 Primary	2	3	3	15	16	14	13		13 3/	13 3/
Rate 52 Secondary	2,602	2,599	2,581	2,568	2,550	2,528	2,495	0.864%	2,517 2/	2,539 2/
Total Outdoor Light	2,604	2,602	2,584	2,583	2,566	2,542	2,508		2,530	2,552
Total North Dakota	100,687	98,697	98,289	98,489	98,554	98,844	98,929		99,432	99,939

1/ Reflects average distinct count of customers for twelve months ended December 31, 2016 through 2021.

2/ Projected customers using 2022 growth rate included in Plan.

3/ Set to 2021 Per Books customers.

4/ Customer requested 17 services be moved to General Service Rate 30 Secondary.

5/ Rate 38 customer requested service be moved to General Service Rate 30 Primary effective March 2022.

6/ As customer requested services be moved to General Service Rate 30, growth factor was applied to 2021 customers excluding 17 customers.

7/ Per contract, customer's service moves to Rate 38 effective January 1, 2023.

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Projected KW Workpapers
Twelve Months Ended December 31, 2021
Projected 2022**

General Service Rate 30 Secondary	Kwh Sales 1/	% of Total	Actual KW 1/	Load Factor	Projected 2022	
					Kwh	KW
January	59,234,243	8.388%	167,438.1	47.549%	60,485,689	170,977.2
February	56,343,349	7.979%	171,645.6	48.847%	57,536,399	175,281.3
March	67,166,082	9.512%	179,565.1	50.275%	68,590,829	183,375.4
April	55,738,684	7.893%	169,169.6	45.762%	56,916,255	172,742.3
May	49,610,404	7.026%	168,448.5	39.585%	50,664,336	172,027.9
June	59,197,643	8.383%	187,720.5	43.799%	60,449,635	191,688.9
July	62,089,400	8.793%	187,308.3	44.554%	63,406,136	191,280.9
August	68,066,063	9.639%	194,472.9	47.043%	69,506,624	198,590.4
September	61,082,977	8.650%	192,482.3	44.075%	62,374,966	196,555.6
October	55,470,935	7.856%	183,677.4	40.592%	56,649,449	187,578.2
November	51,023,340	7.226%	176,872.0	40.066%	52,106,532	180,627.4
December	61,115,963	8.655%	173,488.1	47.349%	62,411,021	177,164.8
	<u>706,139,083</u>	<u>100.000%</u>	<u>2,152,288.4</u>		<u>721,097,871</u>	<u>2,197,890.3</u>

1/ Includes 2021 Kwh and Kw for 17 services moved to Rate 30 Secondary per customer request.

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Projected KW Workpapers
Twelve Months Ended December 31, 2021
Projected 2022**

General TOD Rate 31 Secondary, On-Peak	On-Peak	% of Total	On-Peak	Load Factor	Projected 2022	
	Kwh Sales 1/		Billed KW 1/		Kwh	KW
January	325,436	8.621%	2,956.8	14.793%	332,496	3,021.0
February	310,336	8.221%	3,121.6	14.794%	317,068	3,189.3
March	365,194	9.674%	2,942.6	16.681%	373,108	3,006.4
April	228,629	6.056%	2,788.4	11.388%	233,568	2,848.6
May	258,639	6.851%	3,065.1	11.342%	264,230	3,131.3
June	330,446	8.754%	3,280.4	13.991%	337,625	3,351.6
July	354,312	9.386%	3,598.2	13.235%	362,000	3,676.3
August	395,547	10.478%	3,476.2	15.294%	404,116	3,551.5
September	338,741	8.973%	3,499.8	13.443%	346,071	3,575.5
October	318,274	8.431%	3,357.7	12.740%	325,167	3,430.6
November	272,585	7.221%	2,954.9	12.812%	278,500	3,019.1
December	276,854	7.334%	2,887.9	12.885%	282,858	2,950.6
	<u>3,774,993</u>	<u>100.000%</u>	<u>37,929.6</u>		<u>3,856,807</u>	<u>38,751.8</u>

General TOD Rate 31 Secondary, Off-Peak	Off-Peak	% of Total	Off-Peak	Load Factor	Projected 2022	
	Kwh Sales 1/		Billed KW 1/		Kwh	KW
January	959,210	9.836%	2,969.3	43.420%	980,148	3,034.1
February	842,050	8.633%	3,120.0	40.162%	860,269	3,187.5
March	817,476	8.381%	2,995.7	36.678%	835,158	3,060.5
April	804,764	8.251%	2,829.5	39.503%	822,203	2,890.8
May	695,550	7.131%	3,261.8	28.661%	710,597	3,332.4
June	822,610	8.434%	3,471.3	32.913%	840,439	3,546.6
July	858,425	8.801%	3,738.8	30.860%	877,010	3,819.8
August	955,310	9.795%	3,637.5	35.299%	976,061	3,716.6
September	789,976	8.100%	3,591.6	30.549%	807,156	3,669.7
October	770,426	7.899%	3,387.1	30.572%	787,127	3,460.6
November	696,625	7.142%	3,057.3	31.647%	711,693	3,123.4
December	740,924	7.597%	2,963.8	33.601%	757,033	3,028.2
	<u>9,753,346</u>	<u>100.000%</u>	<u>39,023.7</u>		<u>9,964,894</u>	<u>39,870.2</u>

1/ Excludes 2021 per books for 17 services moved to Rate 30 Secondary.

Total Rate 31 Secondary

13,821,701

78,622.0

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Projected KW Workpapers
Twelve Months Ended December 31, 2021
Projected 2022**

General Space Heating Rate 32 - Secondary	Kwh Sales	% of Total	Actual KW	Load Factor	Projected 2022	
					Kwh	KW
January	7,709,659	13.790%	28,986.9	35.749%	7,873,647	29,603.2
February	9,019,860	16.133%	33,805.2	39.705%	9,211,425	34,523.3
March	7,826,906	13.999%	32,849.1	32.025%	7,992,979	33,546.5
April	4,962,269	8.876%	27,268.5	25.275%	5,067,911	27,848.7
May	3,429,827	6.135%	24,240.9	19.017%	3,502,888	24,757.8
June	2,643,554	4.728%	17,483.8	21.000%	2,699,536	17,854.1
July	2,404,858	4.301%	9,466.7	34.144%	2,455,733	9,667.0
August	2,732,525	4.887%	9,192.7	39.953%	2,790,320	9,387.1
September	2,353,075	4.209%	9,672.4	33.789%	2,403,204	9,878.3
October	2,348,611	4.201%	16,814.6	18.774%	2,398,636	17,172.5
November	3,857,643	6.900%	24,972.8	21.455%	3,939,678	25,503.5
December	6,619,997	11.841%	29,452.6	30.211%	6,760,830	30,078.9
	<u>55,908,784</u>	<u>100.000%</u>	<u>264,206.2</u>		<u>57,096,787</u>	<u>269,820.9</u>

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Projected KW Workpapers
Twelve Months Ended December 31, 2021
Projected 2023**

General Service Rate 30 Secondary	Kwh Sales 1/	% of Total	Actual KW 1/	Load Factor	Projected 2023	
					Kwh 1/	KW
January	59,234,243	8.388%	167,438.1	47.549%	60,623,949	171,368.1
February	56,343,349	7.979%	171,645.6	48.847%	57,667,918	175,681.9
March	67,166,082	9.512%	179,565.1	50.275%	68,747,616	183,794.5
April	55,738,684	7.893%	169,169.6	45.762%	57,046,356	173,137.2
May	49,610,404	7.026%	168,448.5	39.585%	50,780,147	172,421.1
June	59,197,643	8.383%	187,720.5	43.799%	60,587,812	192,127.1
July	62,089,400	8.793%	187,308.3	44.554%	63,551,072	191,718.2
August	68,066,063	9.639%	194,472.9	47.043%	69,665,504	199,044.3
September	61,082,977	8.650%	192,482.3	44.075%	62,517,544	197,004.9
October	55,470,935	7.856%	183,677.4	40.592%	56,778,940	188,006.9
November	51,023,340	7.226%	176,872.0	40.066%	52,225,639	181,040.3
December	61,115,963	8.655%	173,488.1	47.349%	62,553,682	177,569.8
	<u>706,139,083</u>	<u>100.000%</u>	<u>2,152,288.4</u>		<u>722,746,179</u>	<u>2,202,914.3</u>

1/ Includes 2021 Kwh and Kw for 17 services moved to Rate 30 Secondary per customer request.

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Projected KW Workpapers
Twelve Months Ended December 31, 2021
Projected 2023**

General TOD Rate 31 Secondary, On-Peak	On-Peak	% of Total	On-Peak	Load Factor	Projected 2023	
	Kwh Sales 1/		Billed KW 1/		Kwh 1/	KW
January	325,436	8.621%	2,956.8	14.793%	333,255	3,027.9
February	310,336	8.221%	3,121.6	14.794%	317,793	3,196.6
March	365,194	9.674%	2,942.6	16.681%	373,960	3,013.2
April	228,629	6.056%	2,788.4	11.388%	234,102	2,855.1
May	258,639	6.851%	3,065.1	11.342%	264,834	3,138.4
June	330,446	8.754%	3,280.4	13.991%	338,397	3,359.3
July	354,312	9.386%	3,598.2	13.235%	362,827	3,684.7
August	395,547	10.478%	3,476.2	15.294%	405,040	3,559.6
September	338,741	8.973%	3,499.8	13.443%	346,862	3,583.7
October	318,274	8.431%	3,357.7	12.740%	325,911	3,438.4
November	272,585	7.221%	2,954.9	12.812%	279,137	3,026.0
December	276,854	7.334%	2,887.9	12.885%	283,505	2,957.4
	<u>3,774,993</u>	<u>100.000%</u>	<u>37,929.6</u>		<u>3,865,623</u>	<u>38,840.3</u>

General TOD Rate 31 Secondary, Off-Peak	Off-Peak	% of Total	Off-Peak	Load Factor	Projected 2023	
	Kwh Sales 1/		Billed KW 1/		Kwh	KW
January	959,210	9.836%	2,969.3	43.420%	982,388	3,041.0
February	842,050	8.633%	3,120.0	40.162%	862,236	3,194.8
March	817,476	8.381%	2,995.7	36.678%	837,067	3,067.5
April	804,764	8.251%	2,829.5	39.503%	824,083	2,897.4
May	695,550	7.131%	3,261.8	28.661%	712,221	3,340.0
June	822,610	8.434%	3,471.3	32.913%	842,360	3,554.7
July	858,425	8.801%	3,738.8	30.860%	879,015	3,828.5
August	955,310	9.795%	3,637.5	35.299%	978,292	3,725.1
September	789,976	8.100%	3,591.6	30.549%	809,001	3,678.1
October	770,426	7.899%	3,387.1	30.572%	788,926	3,468.5
November	696,625	7.142%	3,057.3	31.647%	713,320	3,130.5
December	740,924	7.597%	2,963.8	33.601%	758,763	3,035.2
	<u>9,753,346</u>	<u>100.000%</u>	<u>39,023.7</u>		<u>9,987,672</u>	<u>39,961.3</u>

				Total Rate 31 Secondary	<u>13,853,295</u>	<u>78,801.6</u>

1/ Excludes 2021 per books for 17 services moved to Rate 30 Secondary.

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Projected KW Workpapers
Twelve Months Ended December 31, 2021
Projected 2023**

General Space Heating Rate 32 - Secondary	Kwh Sales	% of Total	Actual KW	Load Factor	Projected 2023	
					Kwh	KW
January	7,709,659	13.790%	28,986.9	35.749%	7,891,645	29,670.9
February	9,019,860	16.133%	33,805.2	39.705%	9,232,480	34,602.2
March	7,826,906	13.999%	32,849.1	32.025%	8,011,250	33,623.1
April	4,962,269	8.876%	27,268.5	25.275%	5,079,495	27,912.4
May	3,429,827	6.135%	24,240.9	19.017%	3,510,895	24,814.3
June	2,643,554	4.728%	17,483.8	21.000%	2,705,707	17,894.9
July	2,404,858	4.301%	9,466.7	34.144%	2,461,346	9,689.1
August	2,732,525	4.887%	9,192.7	39.953%	2,796,698	9,408.6
September	2,353,075	4.209%	9,672.4	33.789%	2,408,697	9,900.9
October	2,348,611	4.201%	16,814.6	18.774%	2,404,119	17,211.8
November	3,857,643	6.900%	24,972.8	21.455%	3,948,684	25,561.8
December	6,619,997	11.841%	29,452.6	30.211%	6,776,285	30,147.7
	<u>55,908,784</u>	<u>100.000%</u>	<u>264,206.2</u>		<u>57,227,301</u>	<u>270,437.7</u>

**Montana-Dakota Utilities Co.
Electric Utility- North Dakota
Summary of Kwh by Rate Class
Projected 2022 and 2023**

Rate Reporting Class	Per Books 2021 Kwh	Customer Request to Move 1/	Kwh Reflecting Customer Movement	Allocation Factor 2/	Projected		Increase in	
					2022	2023	2022	2023
Residential Service								
Rate 10	745,670,271		745,670,271	46.277%	761,460,528	763,201,099	2.118%	0.229%
Rate 13	132,692		132,692		132,692 4/	132,692 4/		
Rate 16	70,679		70,679		70,679 4/	70,679 4/		
Total Residential	745,873,642		745,873,642		761,663,899	763,404,470	2.117%	0.229%
Small General Service								
Rate 20	86,193,535		86,193,535	5.349%	88,014,616	88,215,802	2.113%	0.229%
Rate 25	1,577,312		1,577,312		1,577,312 4/	1,577,312 4/		
Rate 26	1,950,557		1,950,557		1,950,557 4/	1,950,557 4/		
Rate 40	3,270,836		3,270,836		3,270,836 4/	3,270,836 4/		
Total Small General	92,992,240		92,992,240		94,813,321	95,014,507	1.958%	0.212%
Large General Service								
Rate 30 Secondary	704,853,594		704,853,594					
Customer Request to Move		1,285,489	1,285,489					
Rate 30 Secondary			706,139,083	43.824%	721,097,871	722,746,179	2.118%	0.229%
Rate 30 Primary	232,863,274		232,863,274		232,863,274 4/	232,863,274 4/		
Customer Request to Move		4,633,200	4,633,200		4,633,200 4/	4,633,200 4/		
Large Customer					(2,753,100) 5/	(11,012,400) 5/		
Total Rate 30 Primary	232,863,274		237,496,474		234,743,374	226,484,074		
Rate 30 Contracts								
Tesoro	98,750,754		98,750,754		98,750,754 4/	98,750,754 4/		
Sabin	27,167,840		27,167,840		27,167,840 4/	27,167,840 4/		
Rate 31 Primary	2,478,000		2,478,000		2,478,000	2,478,000		
Rate 31 Secondary	14,813,828		14,813,828					
Customer Request to Move		(1,285,489)	(1,285,489)					
Rate 31 Secondary			13,528,339	0.840%	13,821,701	13,853,295	2.168%	0.229%
Rate 32 Secondary	55,908,784		55,908,784	3.470%	57,096,787	57,227,301	2.125%	0.229%
Rate 34								
Rate 38	23,342,800		23,342,800					
Customer Request to Move		(4,633,200)	(4,633,200)					
Rate 38			18,709,600		18,709,600 4/	21,795,700 4/ 6/		
Capitol	10,190,400		10,190,400		10,190,400 4/	10,190,400 4/		
Contract (Amer Coll)	3,086,100		3,086,100		3,086,100 4/			
Total Large General	1,173,455,374	0	1,173,455,374		1,187,142,427	1,180,693,543	1.166%	-0.543%

**Montana-Dakota Utilities Co.
Electric Utility- North Dakota
Summary of Kwh by Rate Class
Projected 2022 and 2023**

Rate Reporting Class	Per Books 2021 Kwh	Customer Request to Move 1/	Kwh Reflecting Customer Movement	Allocation Factor 2/	Projected		Increase in	
					2022	2023	2022	2023
Municipal Lighting Service								
Rate 41 Primary	1,174,555		1,174,555		1,174,555 4/	1,174,555 4/		
Rate 41 Secondary	12,133,777		12,133,777		12,133,777 4/	12,133,777 4/		
Total Municipal Light	13,308,332		13,308,332		13,308,332	13,308,332		
Municipal Pumping Service								
Rate 48 Secondary	22,345,983		22,345,983		22,345,983 4/	22,345,983 4/		
Rate 48 Primary	23,520,600		23,520,600		23,520,600 4/	23,520,600 4/		
Total Municipal Pumping	45,866,583		45,866,583		45,866,583	45,866,583		
Outdoor Lighting Service								
Rate 52 Primary	34,081		34,081		34,081 4/	34,081 4/		
Rate 52 Secondary	3,861,611		3,861,611	0.240%	3,949,057	3,958,084	2.264%	0.229%
Total Outdoor Light	3,895,692		3,895,692		3,983,138	3,992,165	2.245%	0.227%
Total North Dakota	2,075,391,863	0	2,075,391,863	100.000%	2,106,777,700	2,102,279,600	1.512%	-0.214%

1/ Two customers requested movement of their services in 2022 to another rate schedule. First customer requested 17 services be moved from Optional Time of Day General Electric Service Rate 31 Secondary to General Electric Service Rate 30 Secondary. Second customer requested one service be moved from Interruptible Demand Response Rate 38 to General Electric Service Rate 38 Primary.

2/ Allocation factor for applicable rate schedule net of those rates reflecting no projected change from 2021 Per Books.

2021 Per Books - Rates Where No Change Projected	464,090,240	464,090,240
Net Projected	1,645,440,560	1,649,201,760

3/ Allocated total ND electric forecasted volumes to rate classes unless otherwise noted.

4/ Reflects 2021 Per Books.

5/ Customer installing distributed generation at facility to be fully operational mid-September 2022. Estimated reduction in Kwh at facility.

6/ Per contract, customer's service moved to Rate 38 effective January 1, 2023.

**MONTANA-DAKOTA UTILITIES CO.
MISCELLANEOUS REVENUES
ELECTRIC UTILITY - NORTH DAKOTA
WORKPAPER**

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	Per Books			Projected	
	2019	2020	2021	2022	2023
<u>Miscellaneous Service Revenue:</u>					
Seasonal Reconnect Fee 1/	\$12,880	\$9,380	\$ 12,080	12,480	\$ 12,480
Reconnect Fee - Nonpayment 1/	36,640	9,140	29,840	33,240	33,240
NSF Check fees 1/	33,552	27,870	34,530	34,041	34,041
Work for Others 8/	10,489	4,708	0	7,599	7,599
Energy Diversion 4/	2,421	625	2,040	1,695	1,695
Total	\$ 95,982	\$ 51,723	\$ 78,490	\$ 89,055	\$ 89,055
<u>Rent from Property:</u>					
Buildings 2/	\$19,656	\$19,650	\$19,464	\$19,583	\$19,583
General Office - COS 2/	1,134,096	1,039,217	1,155,577	1,117,641	1,117,641
Equipment (Incl WAPA fiber) 3/	113,167	113,557	113,347	113,347	113,347
Parking Lots 3/	(22)	0	0	0	0
Pole Attachments 3/	99,801	98,031	77,937	77,937	77,937
Street Lights 3/	825,127	900,500	903,186	903,186	903,186
Yard Lights 3/	224,355	289,386	360,800	360,800	360,800
Miscellaneous 4/	17,883	15,889	19,090	17,621	17,621
Joint Use agreements 4/	18,064	17,856	17,012	17,644	17,644
Total	\$ 2,452,127	\$ 2,494,086	\$ 2,666,413	\$ 2,627,759	\$ 2,627,759
<u>Other Revenue:</u>					
Sale of Junk 4/	\$17,287	\$22,309	\$90,597	\$43,398	\$43,398
Sales of Oper. Or Const. Mat. 3/	431		0	0	0
Patronage Dividends 4/	11,903	16,564	16,967	15,145	15,145
Joint Use / Meter Reading 5/	122,841	79,338	81,912	82,144	82,144
Late Payment Revenue 6/	236,080	169,537	213,817	176,345	178,090
Miscellaneous 7/	60,497	108,488	38,375	70,203	70,203
Coyote Misc. Revenue 3/	0	0	0	0	0
Glendive Misc. Revenue 8/	213	0	213,187	107	107
Diamond Willow Misc. Revenue 3/	279	0	0	0	0
Thunder Spirit Misc. Revenue 3/	173	0	0	0	0
Big Stone Misc. Revenue 3/	418,336	191,134	207,328	207,328	207,328
KVAR Penalty Revenue 4/	498,362	614,560	641,885	584,936	584,936
Sale of REC's 9/	121,936	694,937	1,296,373	0	0
Total	\$ 1,488,338	\$ 1,896,867	\$ 2,800,441	\$ 1,179,606	\$ 1,181,351
Total	\$ 4,036,447	\$ 4,442,676	\$ 5,545,344	\$ 3,896,420	\$ 3,898,165
<u>Transmission Cost Adjustment (TCA) Revenue</u>					
<u>Other Revenue: 10/</u>					
Facilities Credit - SPP & Basin	\$7,492,504	\$6,146,779	\$8,680,838	\$0	\$0
MISO Transmission Revenue	552,061	572,891	586,594	-	-
Schedule 26 Revenue	801,628	597,967	803,699	-	-
MISO Other Revenue	3,268,261	2,833,106	2,827,840	-	-
Allocation Correction		(35,552)	-	-	-
Total	\$ 12,114,454	\$ 10,150,743	\$ 12,898,971	\$ -	\$ -
<u>Retired Assets Revenue</u>					
<u>Other Revenue: 11/</u>					
Heskett Sale of Fly Ash	\$244	\$111	\$ 61	\$ -	\$ -
Heskett Misc. Revenue	759	110	5,587	-	-
Lewis & Clark Misc. Revenue	6,605	3,114	3,336	-	-
Total	\$ 7,608	\$ 3,335	\$ 8,984	\$ -	\$ -
Total Miscellaneous Revenue	\$ 16,158,509	\$ 14,596,754	\$ 18,453,299	\$ 3,896,420	\$ 3,898,165

- 1/ Restated to reflect a two year (2019 & 2021) average.
2/ Updated to reflect an annualized 2022 based on activity through January.
3/ Projected 2022 and 2023 to remain at 2021 level.
4/ Restated to reflect a three year average.
5/ Based on 2021 actuals.
6/ Based on the ratio of 2019 and 2020 Late Payment to Sales Revenue of 0.103 percent.
7/ Restated to reflect a three year average without FERC Schedule GG ROE True-up.
8/ Restated to reflect a two year (2019 through 2020) average.
9/ No REC Revenue is projected as the revenue is returned through the FPPA.
10/ Included in Transmission Cost Adjustment Rider.
11/ Plants no longer in service.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
DETAILED COSTS
TWELVE MONTHS ENDING DECEMBER 31, 2021
WORKPAPER**

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<u>Ferc Minor</u>	<u>Object</u>	<u>Description</u>	<u>Expense</u>
501	5110	Labor	\$441,219
501	5120	Labor	96,340
501	5130	Labor	210
501	5131	Labor	12,023
501	5193	Labor	1,280
501	5211	Subcontract Labor	182,810
501	5250	Big Stone - Coal	5,444,648
501	5250	Big Stone - Fuel Handling	53,400
501	5260	Coyote - Coal	10,468,137
501	5260	Coyote - Fuel Handling	11,659
501	5300	Material	1,678
501	5311	Material	1,366
501	5521	Other	22
501	5851	Other	245
501	5891	Other	792
501	6011	Natural Gas	31,879
501	6012	Coal	14,685,965
501	6017	Tires	308,921
			<u>\$31,742,594</u>
547	6011	Natural Gas and Pipeline	\$3,256,617
547	6014	Natural Gas	33,792
547	6019	Natural Gas	246,795
			<u>\$3,537,204</u>
555	6020	Purchased Power	\$8,881,141
		Total Fuel and Purchased Power	<u><u>\$44,160,939</u></u>
<u>Summary</u>			
Fuel 1/			\$34,476,754
Purchased Power			8,881,141
Total			<u>\$43,357,895</u>
<u>Other Non-Fuel Costs</u>			
Fuel Handling			\$65,059
Labor			551,072
Subcontract Labor			182,810
Materials			3,044
Other			1,059
Total			<u>\$803,044</u>
Total Fuel and Purchased Power			<u><u>\$44,160,939</u></u>

1/ Excluding Fuel Handling.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
SUMMARY OF 2021-2023
WORKPAPER**

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	Per Books 2021 1/	Projected 2/ 2022	2023
Fuel and Purchased Power Cost			
Accounts 501 Coal and 547 Gas	\$46,581,181	\$25,501,320	\$26,648,210
Account 502 Reagent	2,419,951	1,052,612	1,117,371
Account 502 Sand	501,047	0	0
Account 555 Energy	18,225,214	32,642,230	34,322,130
Accounts 555 Demand and 547 Pipeline Charges	4,519,836	4,986,835	4,806,835
Account 575 Market Admin.	481,015	481,015	481,015
Total Fuel and Purchased Power Cost	<u>\$72,728,244</u>	<u>\$64,664,012</u>	<u>\$67,375,561</u>
Less:			
Wholesale Sales Revenue	\$1,696,015	\$1,328,270	\$1,828,870
Sale of RECs Revenue	381,549	419,474	419,474
Total Revenue	<u>\$2,077,564</u>	<u>\$1,747,744</u>	<u>\$2,248,344</u>
Net System Cost	\$70,650,680	\$62,916,268	\$65,127,217
Kwh Retail Sales	2,946,696,059	3,010,770,700	3,027,769,600
Cost Per Kwh	<u>\$0.02398</u>	<u>\$0.02090</u>	<u>\$0.02151</u>
<u>Cost Per Kwh</u>			

	Per Books 2021 1/	Projected 2/ 2022	2023
Integrated System	\$0.02398	\$0.02090	\$0.02151
North Dakota	\$0.02383	\$0.02088	\$0.02150
Primary	\$0.02283	\$0.02097	\$0.02179
Secondary	\$0.02408	\$0.02163	\$0.02241

1/ Excludes non-fuel expense that are recorded in Fuel and Purchased Power account.

2/ Projected expense reflects Integrated System only. Wyoming Fuel and Purchased Power costs are excluded.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
SUMMARY OF 2021-2023
WORKPAPER**

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	Per Books 2021 1/	Projected 2/ 2022	2023
<u>Fuel Cost</u>			
Account 501 - Coal	\$43,821,166	\$23,690,810	\$24,854,000
Account 547 - Gas	2,760,015	1,810,510	1,794,210
Account 502 - Reagent	2,419,951	1,052,612	1,117,371
Account 502 - Sand	501,047	0	0
Total	<u>\$49,502,179</u>	<u>\$26,553,932</u>	<u>\$27,765,581</u>
<u>Purchased Power and Pipeline Cost</u>			
Account 555 - Energy	\$18,225,214	\$32,642,230	\$34,322,130
Account 555 - Demand	2,261,005	2,898,505	2,718,505
Account 547 - Pipeline	2,258,831	2,088,330	2,088,330
Account 575 - Market Admin.	481,015	481,015	481,015
Total	<u>\$23,226,065</u>	<u>\$38,110,080</u>	<u>\$39,609,980</u>
<u>Other</u>			
Deferred Fuel and Purchased Power Cost	(6,930,144)	0	0
Total Fuel and Purchased Power Costs	<u><u>\$65,798,100</u></u>	<u><u>\$64,664,012</u></u>	<u><u>\$67,375,561</u></u>
Less:			
Wholesale Sales Revenue	\$1,696,015	\$1,328,270	\$1,828,870
Sale of RECs Revenue	381,549	419,474	419,474
Total Revenue	<u>\$2,077,564</u>	<u>\$1,747,744</u>	<u>\$2,248,344</u>
Net Fuel and Purchased Power Costs	<u><u>\$63,720,536</u></u>	<u><u>\$62,916,268</u></u>	<u><u>\$65,127,217</u></u>

1/ Excludes non-fuel expense that are recorded in Fuel and Purchased Power account.

2/ Projected expense reflects Integrated System only. Wyoming Fuel and Purchased Power costs are excluded.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
PROJECTED 2023**

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	Integrated System	Allocation to North Dakota 1/	Allocation to 2/ Primary	Secondary
Fuel and Purchased Power Cost				
Accounts 501 Coal and 547 Gas	\$26,648,210	\$18,502,725	\$3,593,335	\$14,909,390
Account 502 Reagent	1,117,371	775,827	150,670	625,157
Account 555 Energy	34,322,130	23,830,979	4,628,112	19,202,867
Accounts 555 Demand and 547 Pipeline Charges	4,806,835	3,413,286	530,063	2,883,223
Account 575 Market Admin.	481,015	333,984	64,862	269,122
Total Fuel and Purchased Power Cost	\$67,375,561	\$46,856,801	\$8,967,042	\$37,889,759
Less:				
Wholesale Sales Revenue	\$1,828,870	\$1,269,844	\$0	\$0
Sale of RECs Revenue	419,474	390,991	0	0
Total Revenue	\$2,248,344	\$1,660,835	\$0	\$0
Net System Cost	\$65,127,217	\$45,195,966	\$8,967,042	\$37,889,759
Kwh Retail Sales	3,027,769,600	2,102,279,600	411,596,004	1,690,683,596
Cost Per Kwh	\$0.02151	\$0.02150	\$0.02179	\$0.02241

1/ Energy is allocated on Kwh sales and demand and pipeline are allocated on Allocation Factor No. 15, Integrated System 12 Month Peak Demand.

2/ Energy is allocated on Kwh sales at generation and demand and pipeline are allocated on class Allocation Factor No. 2, Coincident Peak Demand.

	North Dakota	Primary	Secondary
Demand - Class Factor No. 2	100.000000%	15.529398%	84.470602%
Demand - Juris Factor No. 15	71.009009%		
Energy 1/	69.433275%	19.420571%	80.579429%
<u>Energy Calculation</u>			
Sales @ Meter	2,102,279,600	411,596,004	1,690,683,596
Loss Factor		6.632000%	7.567000%
Adjust to Generation	2,269,922,886	440,831,981	1,829,090,905
Percent at Generation	100.000000%	19.420571%	80.579429%
1 - Loss Factor		0.9337	0.9243

1/ Allocated on 2023 projected Kwh sales at generation.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
PROJECTED 2022**

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	Integrated System	Allocation to North Dakota 1/	Allocation to 2/ Primary	Secondary
Fuel and Purchased Power Cost				
Accounts 501 Coal and 547 Gas	\$25,501,320	\$17,844,472	\$3,527,615	\$14,316,857
Account 502 Reagent	1,052,612	736,562	145,609	590,953
Account 555 Energy	32,642,230	22,841,302	4,515,422	18,325,880
Accounts 555 Demand and 547 Pipeline Charges	4,986,835	3,541,102	549,912	2,991,190
Account 575 Market Admin.	481,015	336,589	66,539	270,050
Total Fuel and Purchased Power Cost	\$64,664,012	\$45,300,027	\$8,805,097	\$36,494,930
Less:				
Wholesale Sales Revenue	\$1,328,270	\$929,453	\$0	\$0
Sale of RECs Revenue	419,474	390,991	0	0
Total Revenue	\$1,747,744	\$1,320,444	\$0	\$0
Net System Cost	\$62,916,268	\$43,979,583	\$8,805,097	\$36,494,930
Kwh Retail Sales	3,010,770,700	2,106,777,700	419,855,304	1,686,922,396
Cost Per Kwh	\$0.02090	\$0.02088	\$0.02097	\$0.02163

1/ Energy is allocated on Kwh sales and demand and pipeline are allocated on Allocation Factor No. 15, Integrated System 12 Month Peak Demand.

2/ Energy is allocated on Kwh sales at generation and demand and pipeline are allocated on class Allocation Factor No. 2, Coincident Peak Demand.

	North Dakota	Primary	Secondary
Demand - Class Factor No. 2	100.000000%	15.529398%	84.470602%
Demand - Juris Factor No. 15	71.009009%		
Energy 1/	69.974698%	19.768673%	80.231327%

Energy Calculation

Sales @ Meter	2,106,777,700	419,855,304	1,686,922,396
Loss Factor		6.632000%	7.567000%
Adjust to Generation	2,274,699,740	449,677,945	1,825,021,795
Percent at Generation	100.000000%	19.768673%	80.231327%
1 - Loss Factor		0.9337	0.9243

1/ Allocated on 2022 projected Kwh sales at generation.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
PER BOOKS 2021**

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	Integrated System	Allocation to North Dakota 1/	Allocation to 2/ Primary	Secondary
Fuel and Purchased Power Cost				
Accounts 501 Coal and 547 Gas	\$46,581,181	\$32,871,576	\$6,635,437	\$26,236,139
Account 502 Reagent	2,419,951	1,719,674	347,132	1,372,542
Account 502 Sand	501,047	356,056	71,873	284,183
Account 555 Energy	18,225,214	12,499,218	2,523,085	9,976,133
Accounts 555 Demand and 547 Pipeline Charges	4,519,836	3,211,901	315,087	2,896,814
Account 575 Market Admin.	481,015	336,259	67,877	268,382
Total Fuel and Purchased Power Cost	\$72,728,244	\$50,994,684	\$9,960,491	\$41,034,193
Less:				
Wholesale Sales Revenue	\$1,696,015	\$1,185,619	\$239,328	\$946,291
Sale of RECs Revenue 3/	381,549	356,100	71,882	284,218
Total Revenue	\$2,077,564	\$1,541,719	\$311,210	\$1,230,509
Net System Cost	\$70,650,680	\$49,452,965	\$9,649,281	\$39,803,684
Kwh Retail Sales	2,946,696,059	2,075,391,863	422,608,404	1,652,783,459
Cost Per Kwh	\$0.02398	\$0.02383	\$0.02283	\$0.02408

1/ Energy is allocated on Kwh sales and demand and pipeline are allocated on Allocation Factor No. 15, Integrated System 12 Month Peak Demand.

2/ Energy is allocated on Kwh sales at generation and demand and pipeline are allocated on class Allocation Factor No. 2, Coincident Peak Demand from PU-16-666.

3/ North Dakota's portion is allocated between primary and secondary based on Kwh sales at generation.

	North Dakota	Primary	Secondary
Demand - Class Factor No. 2		9.810000%	90.190000%
Demand - Juris Factor No. 15	71.062334%		
Energy 1/	70.431148%	20.185942%	79.814058%
<u>Energy Calculation</u>			
Sales @ Meter	2,075,391,863	422,608,404	1,652,783,459
Loss Factor (Case No. PU-16-666)		6.280000%	7.300000%
Adjust to Generation	2,233,864,522	450,926,594	1,782,937,928
Percent at Generation	100.000000%	20.185942%	79.814058%
1 - Loss Factor		0.9372	0.9270

1/ Allocated on 2021 per books Kwh sales at generation.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
COMPARISON OF PER BOOKS 2021 TO PROJECTED 2022-2023**

	Kwh			Expense			Cost Per Mwh		
	Per Books	Projected		Per Books	Projected		Per Books	Projected	
	2021	2022	2023	2021	2022	2023	2021	2022	2023
<u>Steam Generation</u>									
Heskett Unit 1	79,441,000	0	0	\$3,723,377	\$0	\$0	\$46.87	N/A	N/A
Heskett Unit 2	422,004,800	0	0	15,783,432	0	0	37.40	N/A	N/A
Lewis and Clark Unit 1	64,733,123	0	0	1,988,803	0	0	30.72	N/A	N/A
Big Stone	375,129,626	489,620,000	479,480,000	7,788,506	10,338,240	10,450,750	20.76	21.11	21.80
Coyote	620,044,972	411,160,000	494,900,000	14,537,048	13,352,570	14,403,250	23.45	32.48	29.10
Total Steam Generation	1,561,353,521	900,780,000	974,380,000	\$43,821,166	\$23,690,810	\$24,854,000	\$28.07	\$26.30	\$25.51
<u>Gas Generation</u>									
Miles City	2,974,436	1,400,000	350,000	\$451,755	\$83,340	\$19,990	\$151.88	\$59.53	\$57.11
Glendive Unit 1	5,486,166	1,980,000	70,000	495,447	107,660	3,550	90.31	N/A	N/A
Glendive Unit 2	10,859,848	8,710,000	8,200,000	727,063	366,060	353,360	66.95	42.03	43.09
Heskett Unit 3	7,325,000	15,670,000	17,110,000	566,325	730,200	777,220	77.31	46.60	45.42
Heskett Unit 4	0	0	1,940,000	0	0	68,080	N/A	N/A	35.09
Lewis and Clark Unit 2	3,779,000	6,700,000	7,570,000	159,196	228,550	272,890	42.13	34.11	36.05
Portable Generator	14,811	0	0	7,193	0	0	485.65	N/A	N/A
Total Gas Generation	30,439,261	34,460,000	35,240,000	\$2,406,979	\$1,515,810	\$1,495,090	\$79.07	\$43.99	\$42.43
<u>Renewable and Other Generation</u>									
Diamond Willow	92,756,730	96,040,000	96,040,000	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00
Glen Ullin Station - Ormat	44,770,613	36,790,000	36,790,000	353,036	294,700	299,120	7.89	8.01	8.13
Cedar Hills	58,221,060	59,370,000	59,370,000	0	0	0	0.00	0.00	0.00
Thunder Spirit	556,575,000	598,060,000	598,060,000	0	0	0	0.00	0.00	0.00
Total Renewable and Other Generation	752,323,403	790,260,000	790,260,000	\$353,036	\$294,700	\$299,120	\$0.47	\$0.37	\$0.38
Total Generation	2,344,116,185	1,725,500,000	1,799,880,000	\$46,581,181	\$25,501,320	\$26,648,210	\$19.87	\$14.78	\$14.81
<u>Purchased Power</u>									
MISO and Small Power	767,738,319	1,036,160,000	891,460,000	\$14,644,305	\$21,408,140	\$19,006,510	\$19.07	\$20.66	\$21.32
Minnkota	154,080,000	493,920,000	657,000,000	3,235,680	10,757,520	14,839,200	21.00	21.78	22.59
WAPA - Fort Peck	14,301,198	14,330,000	14,330,000	345,229	476,570	476,420	24.14	33.26	33.25
Interchanges	0	0	0	0	0	0	N/A	N/A	N/A
Total Purchased Power	936,119,517	1,544,410,000	1,562,790,000	\$18,225,214	\$32,642,230	\$34,322,130	\$19.47	\$21.14	\$21.96
Wholesale Sales Revenue	75,878,537	47,580,000	65,280,000	\$1,696,015	\$1,328,270	\$1,828,870	\$22.35	\$27.92	\$28.02
Total Generation and Purchased Power	3,204,357,165	3,222,330,000	3,297,390,000	\$63,110,380	\$56,815,280	\$59,141,470	\$19.70	\$17.63	\$17.94

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST
COMPARISON OF PER BOOKS 2021 TO PROJECTED 2022-2023**

Other Fuel and Purchased Power Cost Accounts

	Integrated System				
	Per Books 2021	Projected 2022	Percent Change	Projected 2023	Percent Change
<u>Account 502 Reagent</u>					
Hesket Unit 2	\$1,291,276	\$0	-100.00%	\$0	N/A
Lewis and Clark Unit 1	36,008	0	-100.00%	0	N/A
Lewis and Clark Unit 2	0	0	N/A	0	N/A
Big Stone	510,911	666,842	30.52%	653,032	-2.07%
Coyote	581,756	385,770	-33.69%	464,339	20.37%
Total Account 502 Reagent	\$2,419,951	\$1,052,612	-56.50%	\$1,117,371	6.15%
<u>Account 502 Sand</u>					
Heskett Unit 2	\$501,047	\$0	-100.00%	\$0	N/A
Total Account 502 Sand	\$501,047	\$0	-100.00%	\$0	N/A
		Integrated System			
		Projected 2022	Projected 2023		
<u>Account 555 Demand and 547 Pipeline</u>					
MISO - Demand		\$1,736,005	\$1,736,005		
Minnkota - Demand 1/		1,162,500	982,500		
Heskett Unit 3 Reservation Fee		1,993,101	1,993,101		
Lewis and Clark Unit 2 Reservation Fee		95,229	95,229		
Demand Response Program		0	0		
ND State Capitol		0	0		
Williston Water Plant		0	0		
Total Account 555 Demand and 547 Pipeline		\$4,986,835	\$4,806,835		
		Projected 2022 and 2023			
	North Dakota	Integrated System			
<u>Sale of RECs Revenue</u>					
2019	\$121,936	\$131,737			
2020	694,937	745,137			
2021	356,100	381,549			
Total Sale of RECs Revenue	\$1,172,973	\$1,258,423			
3 Year Average	\$390,991	\$419,474			

1/ Projected 2022 and 2023 different.

**ND Electric
Revenue Analysis 2021
Projected 2023 Billing Determinant Inputs**

	Projected Customers	Projected Kwh by Rate Schedule	Projected KW Rate Schedule
Residential	80,169	763,404,470	
Small General	10,410	88,215,802	
Irrigation	49	1,577,312	10,040.6
Small General TOD	270	1,950,557	
General	4,606	949,230,253	2,710,009.9
Sabin	1	27,167,840	55,224.9
Tesoro	1	98,750,754	161,517.3
General TOD Pri 2/	1	2,478,000	9,493.3
General TOD Sec 2/	52	13,853,295	78,801.6
General SH	603	57,227,301	270,437.7
IT DR	4	31,986,100	104,175
IT	0	0	0.0
Muni General	271	3,270,836	7,220.9
Street Lighting	642	13,308,332	0.0
Municipal Pumping	308	45,866,583	130,728.6
Outdoor Lighting	2,552	3,992,165	0.0
	<u>99,939</u>	<u>2,102,279,600</u>	<u>3,537,649.5</u>

1/ Customer contract moves service to Rate 38 effective January 1, 2023.

2/ Kw includes On and Off Peak demand.

3/ 17 customer accounts moved from rate 31 to rate 30 in 2022.

4/ A customer on rate 38 moved to rate 30 in 2022; and another customer is installing fuel cells at facility in 4Q 2022-estimated reduction in Kwh at facility.

Primary	109	411,596,004	888,501.2
Secondary	<u>99,830</u>	<u>1,690,683,596</u>	<u>2,649,148.3</u>
	<u>99,939</u>	<u>2,102,279,600</u>	<u>3,537,649.5</u>

**North Dakota Electric
2021 Revenue Analysis
Projected 2022 Billing Determinant Inputs**

	Projected Customers	Projected Kwh by Rate Schedule	Projected KW Rate Schedule
Residential	79,876	761,663,899	
Small General	10,285	88,014,616	
Irrigation	49	1,577,312	10,040.6
Small General TOD	270	1,950,557	
General	4,548	955,841,245	2,713,265.9
Sabin	1	27,167,840	55,224.9
Tesoro	1	98,750,754	161,517.3
General TOD Pri 1/	1	2,478,000	9,493.3
General TOD Sec 1/	51	13,821,701	78,622.0
General SH	595	57,096,787	269,820.9
IT DR	3	28,900,000	93,840.9
IT	1	3,086,100	10,333.8
Muni General	271	3,270,836	7,220.9
Street Lighting	642	13,308,332	0.0
Municipal Pumping	308	45,866,583	130,728.6
Outdoor Lighting	2,530	3,983,138	0.0
	<u>99,432</u>	<u>2,106,777,700</u>	<u>3,540,109.1</u>

1/ Kw includes On and Off Peak demand.

2/ 17 customer accounts moved from rate 31 to rate 30 in 2022.

3/ A customer on rate 38 moved to rate 30 in 2022; and another customer is installing fuel cells at facility in 4Q 2022-estimated reduction in Kwh at facility.

Primary	109	419,855,304	896,781.2
Secondary	<u>99,323</u>	<u>1,686,922,396</u>	<u>2,643,327.9</u>
	<u>99,432</u>	<u>2,106,777,700</u>	<u>3,540,109.1</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
DEMAND - CLASS FACTOR NO. 2
Twelve Months Ending December 31, 2021**

<u>Rate</u>	<u>Customer Class</u>	<u>Factor No. 2 12 CP @ Gen</u>	
10	Residential Electric Service	155,515	41.331644%
20	Small General Electric Service	17,841	4.741597%
25	Irrigation Power Service	251	0.066770%
30	Large General Service - Primary	36,975	9.826939%
	Large General Service - Secondary	125,913	33.464259%
	Space Heating - Billed @ Rate 30	0	0.000000%
	Total Large General Service - Secondary	125,913	
	Total Large General Service	162,888	
	Contract - Tesoro	13,154	3.495862%
	Contract - Sabin	4,325	1.149387%
	Contracts - Primary	17,478	
31	TOD Large General Service Primary	405	0.107512%
31	TOD Large General Service Secondary	2,413	0.641392%
32	Space Heating - Secondary 1/	7,707	2.048260%
	TOTAL LARGE GENERAL	190,891	
40	Small Municipal Electric Service	592	0.157382%
41	Municipal Lighting - Primary	71	0.018834%
	Municipal Lighting - Secondary	663	0.176254%
	TOTAL MUNICIPAL LIGHTING	734	
48	Municipal Pumping - Primary	3,502	0.930864%
	Municipal Pumping - Secondary	3,148	0.836670%
	TOTAL MUNICIPAL PUMPING	6,651	
52	Outdoor Lighting	354	0.093975%
38	IT Demand Response - 381		
	IT Demand Response - 382		
	IT Demand Response - 380		
39	Interruptible Power Service		
	Rate 38 and 39	3,433	0.912399%
	TOTAL NORTH DAKOTA ELECTRIC	376,261	100.000000%
	Primary		15.529398%
	Secondary		84.470602%

**MONTANA-DAKOTA UTILITIES CO.
NORTH DAKOTA ELECTRIC CASE- FILING 2022
LOSS FACTOR CALCULATION**

	Energy		Demand		
	Loss Factor	Service Level Total	Loss Factor	Service Level Total	
Production and Transmission	5.388%	5.388%	7.230%	7.230%	Transmission 1/
Substation Transformer Losses	0.342%	5.730%	0.470%	7.700%	Substation 2/
Primary Lines	0.902%	6.632%	2.502%	10.202%	Primary
Distribution Transformer Losses	0.762%	7.394%	1.437%	11.639%	
Service Drop	0.173%	7.567%	0.406%	12.045%	Secondary
	7.567%		12.045%		All other rates

1/ Primary customer taking service at transmission level. Contract customer.

2/ Primary customer taking service at the substation level.

MONTANA-DAKOTA UTILITIES CO.
INCENTIVE PERCENTAGE CALCULATION AND
LABOR INFLATION CALCULATION

Statement G
Schedule G-1
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Class	Salary	1/1/2022 Target	Payout
IBEW	28,323,609.60	4.5%	\$1,274,562.43
Non-Exempt			
30	204,445.28	6.0%	12,266.72
31	1,267,614.40	6.0%	76,056.86
32	2,888,412.80	6.0%	173,304.77
33	4,082,677.04	6.0%	244,960.62
34	813,113.60	6.0%	48,786.82
35	1,693,036.80	6.0%	101,582.21
36	1,285,689.60	6.0%	77,141.38
37	-	6.0%	-
38	295,339.20	10.0%	29,533.92
			-
Exempt			
34	2,426,408.00	8.0%	194,112.64
35	6,542,085.40	8.0%	523,366.83
36	8,742,708.00	8.0%	699,416.64
37	10,814,512.60	8.0%	865,161.01
38	9,603,440.00	10.0%	960,344.00
39	10,469,543.10	10.0%	1,046,954.31
40	3,457,680.00	15.0%	518,652.00
41	1,695,980.00	20.0%	339,196.00
42	5,176,060.00	30.0%	1,552,818.00
Executive			
E	817,900.00	35.0%	286,265.00
F	999,600.00	40.0%	399,840.00
G	574,700.00	45.0%	258,615.00
H	880,000.00	50.0%	440,000.00
I	420,000.00	60.0%	252,000.00
J	927,000.00	75.0%	695,250.00
K	960,000.00	125.0%	1,200,000.00
Total 5131 Incentive	<u>105,361,555.42</u>		<u>\$12,270,187.16</u>
Total 5131 - Incentive at Potential			11.65%

	Total Wages 1/	% of Total	2022 % Increase	2022 Weighted Increase
Union Wages	\$30,750,605	35.12712%	3.00%	1.05%
Non-Union Wages	56,790,308	64.87288%	3.50%	2.27%
Total Wages Paid	\$87,540,913	100.00000%		3.32%
			2023 % Increase	2023 Weighted Increase
		Union	3.00%	1.05%
		Non-Union	4.50%	2.92%
				3.97%

1/ Excludes labor related to Lewis and Clark Unit 1 and Heskett Unit 1 & Unit 2.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BIG STONE & COYOTE
PROJECTED 2022-2023
SUMMARY**

	Per Books 2021	Budget 2022	Outage Normalized 2022	Projected 2022	Budget 2023	Outage Normalized 2023	Projected 2023
<u>Big Stone</u>							
Fuel and Purchased Power	\$53,400	\$53,232		\$53,232	\$54,829		\$54,829
Production	3,854,330	2,768,287	\$485,271	3,253,558	2,909,362	\$485,271	3,394,633
Transmission	649	0		0	0		0
Total	\$3,908,379	\$2,821,519	\$485,271	\$3,306,790	\$2,964,191	\$485,271	\$3,449,462

	Per Books 2021	Budget 2022	Outage Budget 2022	Budget 2022 less Outage	Outage Normalized 2022	Projected 2022	Budget 2023	Outage Normalized 2023	Projected 2023
<u>Coyote</u>									
Fuel and Purchased Power	\$11,659	\$12,457		\$12,457		\$12,457	\$12,402		\$12,402
Production	3,609,238	5,221,039	1,593,620	\$3,627,419	531,206	4,158,625	\$3,897,470	531,206	4,428,676
Transmission	(8,318)	10,651		10,651		10,651	10,971		10,971
A&G	9,731	0		0		0	0		0
Total	\$3,622,310	\$5,244,147	\$1,593,620	\$3,650,527	\$531,206	\$4,181,733	\$3,920,843	\$531,206	\$4,452,049

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BIG STONE & COYOTE
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023
WORKPAPER**

Account Number		Total Company			North Dakota		
		Per Books	Projected		Per Books	Projected 1/	
	Operation and Maintenance Expenses	2021	2022	2023	2021	2022	2023
	<u>Big Stone Fuel and Purchased Power</u>						
501	Fuel Handling Expense	\$76,387	\$75,947	\$78,225	\$53,400	\$53,232	\$54,829
	Total Big Stone Fuel and Purchased Power	\$76,387	\$75,947	\$78,225	\$53,400	\$53,232	\$54,829
	<u>Big Stone Production</u>						
500	Operation Supervision and Engineering	\$268,406	\$248,170	\$337,335	\$190,735	\$176,223	\$239,538
502	Steam Expense 2/	408,791	354,975	365,624	290,496	252,064	259,626
505	Steam - Electric Expense	376,674	414,136	426,560	267,673	294,074	302,896
506	Miscellaneous Steam Power Expense	670,806	875,507	901,772	476,690	621,689	640,339
510	Maintenance Supervision and Engineering	183,475	169,922	175,019	130,382	120,660	124,279
511	Maintenance of Structures	207,319	174,060	179,281	147,326	123,598	127,306
512	Maintenance of Boiler Plant 3/	1,963,406	1,569,613	1,603,644	1,395,242	1,114,567	1,138,732
513	Maintenance of Electric Plant 3/	1,055,286	441,447	447,246	749,911	313,467	317,585
514	Maintenance of Miscellaneous Steam Plant	189,066	235,864	242,940	134,355	167,485	172,509
556	System Control and Load Dispatching	100,643	98,200	101,146	71,520	69,731	71,823
	Total Big Stone Production	\$5,423,872	\$4,581,894	\$4,780,567	\$3,854,330	\$3,253,558	\$3,394,633
	<u>Big Stone Transmission</u>						
570	Transmission Rents	\$914	\$0	\$0	\$649	\$0	\$0
	Total Big Stone Transmission	\$914	\$0	\$0	\$649	\$0	\$0
	Total Big Stone Operation and Maintenance Expenses	\$5,501,173	\$4,657,841	\$4,858,792	\$3,908,379	\$3,306,790	\$3,449,462
	<u>Coyote Fuel and Purchased Power</u>						
501	Fuel Handling Expense	\$16,678	\$17,773	\$17,694	\$11,659	\$12,457	\$12,402
	Total Coyote Fuel and Purchased Power	\$16,678	\$17,773	\$17,694	\$11,659	\$12,457	\$12,402
	<u>Coyote Production</u>						
500	Operation Supervision and Engineering	\$503,022	\$516,205	\$533,656	\$357,459	\$366,552	\$378,944
502	Steam Expense 2/	872,645	871,564	925,788	620,122	618,889	657,393
505	Steam - Electric Expense	550,784	560,144	584,327	391,400	397,753	414,925
506	Miscellaneous Steam Power Expense	605,949	638,429	741,319	430,602	453,342	526,403
507	Rents	11,769	12,431	14,435	8,363	8,827	10,250
510	Maintenance Supervision and Engineering	232,271	231,214	246,416	165,057	164,183	174,978
511	Maintenance of Structures 4/	207,920	215,992	224,332	147,753	153,374	159,296
512	Maintenance of Boiler Plant 4/	1,441,546	1,854,486	2,096,418	1,024,396	1,316,852	1,488,645
513	Maintenance of Electric Plant 4/	221,629	481,739	401,376	157,495	342,078	285,013
514	Maintenance of Miscellaneous Steam Plant 4/	329,604	372,538	360,677	234,225	264,535	256,113
556	System Control and Load Dispatching	101,835	101,733	108,037	72,366	72,240	76,716
	Total Coyote Production	\$5,078,974	\$5,856,475	\$6,236,781	\$3,609,238	\$4,158,625	\$4,428,676
	<u>Coyote Transmission</u>						
567	Rents	(\$11,705)	\$15,000	\$15,450	(\$8,318)	\$10,651	\$10,971
	Total Coyote Transmission	(\$11,705)	\$15,000	\$15,450	(\$8,318)	\$10,651	\$10,971
	<u>Coyote A&G 5/</u>						
920	Administrative and General Salaries	\$1,600	\$0	\$0	\$1,137	\$0	\$0
921	Office Supplies and Expenses	12,094	0	0	8,594	0	0
	Total Coyote A&G	\$13,694	\$0	\$0	\$9,731	\$0	\$0
	Total Coyote Operation and Maintenance Expenses	\$5,097,641	\$5,889,248	\$6,269,925	\$3,622,310	\$4,181,733	\$4,452,049
	Total Big Stone and Coyote Operation and Maintenance Expenses	\$10,598,814	\$10,547,089	\$11,128,717	\$7,530,689	\$7,488,523	\$7,901,511

1/ Allocated on Factor 15: Integrated System 12 Month Peak Demand at percent except fuel expense is allocated on Factor 16: Integrated System Kwh Sales at percent.

2/ Account Number 502 excludes reagents. Reagents are properly included in Adjustment Number 1 in Account Number 502.

3/ Normalized Big Stone's 2021 major boiler outage.

4/ Normalized Coyote's scheduled 2022 major turbine outage.

5/ Reflects a one time 2021 expense that will not be repeated.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
BIG STONE & COYOTE
MAJOR OUTAGES
PER BOOKS 2021 AND PROJECTED 2022**

Big Stone Outage				
Account	Account Description	Per Books 2021		
		Total Plant	MDU Share	MDU Share 1/
861000.5250.15123	Maintenance of Boilers	\$5,752,156	\$1,305,739	\$435,246
861000.5250.15131	Maintenance of Turbing and Generator	3,279,473	744,440	248,147
Total		\$9,031,629	\$2,050,179	\$683,393
			North Dakota Electric	North Dakota Electric 1/
			\$927,889	\$309,296
			529,016	176,339
			\$1,456,905	\$485,635
MDU's Percent Share of Plant			22.7%	
2021 Factor 15: Integrated System 12 Month Peak Demand North Dakota			71.062334%	

Coyote Outage				
Account	Account Description	Projected 2022		
		Total Plant	MDU Share	MDU Share 1/
849C.5260.15110	Maintenance of Structures	\$45,000	\$11,250	\$3,750
849C.5260.15124	Maintenance of Water Treatment	6,805,000	1,701,250	567,083
849C.5260.15131	Maintenance of Turbine and Generator	1,995,000	498,750	166,250
849C.5260.15140	Maintenance of Miscellaneous Steam Plant	132,000	33,000	11,000
		\$8,977,000	\$2,244,250	\$748,083
			North Dakota Electric	North Dakota Electric 1/
			\$7,989	\$2,663
			1,208,041	402,680
			354,157	118,052
			23,433	7,811
			\$1,593,620	\$531,206
MDU's Percent Share of Plant			25.0%	
2022 Factor 15: Integrated System 12 Month Peak Demand North Dakota			71.009009%	

1/ Normalized.

**MONTANA- DAKOTA UTILITIES CO.
GENERAL PLANT VEHICLES
NORTH DAKOTA ELECTRIC UTILITY
PROJECTED 2022**

General Vehicles - Electric - North Dakota

Funding Project	Company	Unit	CLASS	RESP	YEAR	MAKE	MODEL	ASSIGNED TO	LOCATION	STATE	2022 TOTAL
FP-100810	MDU	6871	18	E	2016	FORD	F-350 CREW CAB 4x4 ELEC FRMN (IRP)	ROCKY REULE	ELLENDALE	ND	\$70,710
FP-100810	MDU			E		FORD	F-150 LIGHTING		BISMARCK	ND	33,710
FP-100810	MDU			E		FORD	F-150 LIGHTING		BISMARCK	ND	33,710
FP-100810	MDU	6814	12	E	2015	FORD	TRANSIT 250 MEDIUM ROOF VAN	JACK HARM - MTR	BISMARCK	ND	49,791
FP-100810	MDU	5460	12	E	2001	FORD	E-250 CARGO VAN	FAULT LOCATOR	BISMARCK	ND	49,791
FP-100810	MDU		9	E		ADDITION	SUV	SAFETY MANAGER	BISMARCK	ND	37,791
FP-100810	MDU	6693	9	E	2015	FORD	EXPLORER 4X4	SHELLY VETTER - LAND	BISMARCK	ND	32,791
FP-100810	MDU	6675	14	E	2015	RAM	1500	STEVE TURNER	BISMARCK	ND	59,157
FP-321045	MDU		20	E		FORD	F-550 AT37	TRAINING	BISMARCK	ND	115,000
FP-321046	MDU		20	E		FORD	F-550 AT37	TRAINING	BISMARCK	ND	115,000
FP-321047	MDU	6431	20	E	2012	CHEVROLET	K2500 EXT CAB 4X4 SB	KODY SENNE	BISMARCK	ND	115,000
FP-321048	MDU		20	E		FORD	F-550 AT37		TBD	ND	115,000
FP-321050	MDU	6845	20	E	2016	FORD	F-550 REG CAB 4X4 ALTEC AT37G	JOEY KARTES	STEELE	ND	100,000
FP-321051	MDU	2131	20	E	2017	FORD	F-550 EXT CAB 4X4 ALTEC AT37G	DARIN HANSEN - SRV	MOHALL	ND	100,000
FP-321054	MDU	2357	20	E	2019	FORD	F-550 EXT CAB 4X4 ALTEC AT37G (IRP)	SHAWN GOERHING	ASHLEY	ND	100,000
											<u>\$1,127,449</u>

**MONTANA- DAKOTA UTILITIES CO.
GENERAL PLANT WORK EQUIPMENT
NORTH DAKOTA ELECTRIC UTILITY
PROJECTED 2022**

General Work Equipment- Electric- North Dakota

Funding											
Project	Company	Unit #	Class	RESP	Year	Make	Model	Location	State	2022 Total	
FP-100825	MDU		58	E		JOHN DEERE	TRACTOR	HESKETT	ND	\$95,000	1/
FP-100825	MDU	8541	FL	E	2011	TOYOTA	7FGU25 FORKLIFT TRUCK (5K) Serial #11171	WILLISTON	ND	65,000	
FP-100825	MDU		T	E		ADDITION	3 Reel trailer	WILLISTON	ND	65,000	
FP-100825	MDU		FL	E			USED FORKLIFT	BISMARCK	ND	50,000	
FP-100825	MDU	8897	ATV	E	2015	POLARIS	RANGER 900 ATV SIDE BY SIDE WITH BLADE	DICKINSON	ND	25,000	
FP-100825	MDU	8441	ATV	E	2014	POLARIS	RANGER 800 SIDE-BY-SIDE ATV	BEULAH	ND	28,160	
FP-100825	MDU	11208	ATV	E	2018	POLARIS	RANGER 1000 SIDE-BY-SIDE ATV	LEWIS & CLARK	MT	28,161	1/
FP-100825	MDU	11600	58	E	2021	CATERPILLAR	301.8 MINI EX	DICKINSON	ND	15,000	
FP-100825	MDU	11605	58	E	2021	CATERPILLAR	303.5 MINI EX	DICKINSON	ND	15,000	
FP-100825	MDU	11616	58	E	2021	CATERPILLAR	236D SKIDLOADER	WATFORD CITY	ND	8,000	
FP-100825	MDU	11625	58	E	2021	CATERPILLAR	303 MINI EX	WILLISTON	ND	15,000	
FP-100825	MDU	11621	58	E	2021	CATERPILLAR	305E2 MINI EX w/THUMB	WILLISTON	ND	15,000	
FP-100825	MDU	382	59	E	2005	JOHN DEERE	310G LOADER/BACKHOE w/ 18" Bucket	GLENDIVE TURBINE	MT	12,800	1/
FP-100825	MDU	11632	59	E	2021	CATERPILLAR	420F2 IT BACKHOE/LOADER	LEWIS & CLARK	MT	12,800	1/
FP-100825	MDU	1820	T	E	2011	Lane LRG 1010 Single Reel Trailer	BISMARCK	BISMARCK	ND	12,500	
FP-100825	MDU		T	E		ADDITION	ATV TRAILER	BISMARCK-VT	ND	10,000	
FP-100825	MDU	11570	58	E	2021	CATERPILLAR	236D SKIDLOADER	BISMARCK	ND	8,000	
FP-100825	MDU	11567	58	E	2021	CATERPILLAR	236D SKIDLOADER	KENMARE	ND	8,000	
FP-100825	MDU	11615	58	E	2021	CATERPILLAR	236D SKIDLOADER	WILLISTON	ND	8,000	
FP-100825	MDU	11576	58	E	2021	CATERPILLER	246 SKIDSTEER	BISMARCK-VT	ND	8,000	
FP-100825	MDU	11566	58	E	2021	CATERPILLAR	242D SKIDLOADER	ELLEDALE	ND	8,000	
FP-100825	MDU	11574	58	E	2021	CATERPILLAR	262D SKISTEER	THUNDER SPIRIT	ND	8,000	2/
FP-100825	MDU	11575	58	E	2021	CATERPILLAR	246D SKIDSTEER	HESKETT	ND	8,000	1/
FP-100825	MDU	11607	58	E	2021	CATERPILLAR	262D SKISTEER	DIAMOND WILLOW	ND	8,000	2/
FP-321058	MDU	533	43	E	2007	INTERNATIONAL	7400 6x4 w/ TEREX C4045 T.A. LINE TRUCK	BISMARCK	ND	280,000	
FP-321062	MDU	588	33	E	2008	INTERNATIONAL	4300 4X2 w/ VERSALIFT 60' MANLIFT	BISMARCK	ND	200,000	
Total Excluding Footnotes 1 and 2										\$843,660	

1/ Work equipment assigned to integrated system.

MODEL	LOCATION	STATE	AMOUNT
TRACTOR	HESKETT	ND	\$95,000
RANGER 1000 SIDE-BY-SIDE ATV	LEWIS & CLARK	MT	28,161
310G LOADER/BACKHOE w/ 18" Bucket	GLENDIVE TURBINE	MT	12,800
420F2 IT BAACKHOE/LOADER	LEWIS & CLARK	MT	12,800
246D SKIDSTEER	HESKETT	ND	8,000
			<u>\$156,761</u>
	Factor 15 - Integrated System 12 Month Peak Demand:		71.009009%
	North Dakota Electric		\$111,314

2/ Work equipment assigned to integrated system - wind.

MODEL	LOCATION	STATE	AMOUNT
262D SKIDSTEER	THUNDER SPIRIT	ND	\$8,000
262D SKIDSTEER	DIAMOND WILLOW	ND	8,000
			<u>\$16,000</u>
	Factor 271 - Integrated Peak and Energy:		70.274582%
	North Dakota Electric		\$11,244
	Total from above		<u>\$954,974</u>
	Total North Dakota Electric		\$966,218

**MONTANA-DAKOTA UTILITIES CO.
COMMON VEHICLES
NORTH DAKOTA ELECTRIC UTILITY
PROJECTED 2022**

Common Vehicles

Funding Project	Company	Unit #	CLASS	RESP	YEAR	MAKE	MODEL	ASSIGNED TO	LOCATION	STATE	2022 Total	
FP-100719	MDU	6404	16	C	2012	CHEVROLET	K2500 EXT CAB 4X4 LB w/liftgate	CHAD MAHER- SRV	GLENDIVE	MT	\$51,103	Montana Electric
FP-100719	MDU	6738	9	C	2015	FORD	EXPLORER XLT 4X4	JASON STANFILL - DM	GLENDIVE	MT	34,103	Montana Electric
FP-100719	MDU	6449	9	C	2013	FORD	EXPLORER 4X4	THERESE WILKINSON	WOLF POINT	MT	34,103	Montana Electric
FP-100719	MDU	6435	11	C	2013	CHEVROLET	K2500 SUBURBAN 4x4	AARON KRAFT - COMM	BISMARCK - VT	ND	56,391	1/
FP-100719	MDU	6555	14	C	2013	FORD	F-150 4X4	ERIC STRAWN - MECHANIC	WILLISTON	ND	51,103	2/
FP-100719	MDU	6670	16	C	2014	RAM	2500 CREW CAB 4X4 LB	EVAN LARSON - MECHANIC	BISMARCK	ND	51,103	2/
FP-100719	MDU		9	C		ADDITION	SUV	SAFETY MANAGER	BISMARCK	ND	39,103	1/
FP-100719	MDU	7107	9	C	2016	FORD	EXPLORER 4X4	MARK HOUN	BISMARCK	ND	34,103	1/
FP-321049	MDU	6920	20	C	2016	FORD	F-550 REG CAB 4x4 ALTEC AT37G (IRP)	TRAVIS WOJAHN - SRV	BEACH	ND	100,000	2/
FP-100719	MDU	6221	9	C	2012	FORD	EXPLORER 4x4	BRUCE BREKKE	MOBRIDGE	SD	34,103	South Dakota Electric
FP-100719	MDU	6817	14	C	2015	RAM	1500 QUAD CAB 4X4 SB	DON BOHLE (Sup)	MOBRIDGE	SD	33,603	South Dakota Electric
FP-321052	MDU	6928	20	C	2016	FORD	F-550 REG CAB 4X4 ALTEC AT37G	SCOTT DAEDE	BOWDLE	SD	100,000	South Dakota Electric
FP-321053	MDU	2369	20	C	2019	FORD	F-550 EXT CAB 4X4 ALTEC AT37G	TREY MARSHALL	SELBY	SD	100,000	South Dakota Electric
											\$718,821	

1/ Vehicles to be assigned to Electric/Gas and to each electric jurisdiction.

Model	Assigned To	Location	State	Amount
K2500 SUBURBAN 4x4	AARON KRAFT - COMM	BISMARCK - VT	ND	\$56,391
SUV	SAFETY MANAGER	BISMARCK	ND	39,103
EXPLORER 4X4	MARK HOUN	BISMARCK	ND	34,103
				\$129,597
Utility Factor 28 - Corporate Overhead - Electric:				56.100000%
				\$72,704
Juris Factor #24 - O&M Excl. Fuel & Purchased Power:				65.432518%
North Dakota Electric:				\$47,572

2/ Vehicles for individual state gas/electric operations only.

North Dakota

Model	Assigned To	Location	State	Amount
F-150 4X4	ERIC STRAWN - MECHANIC	WILLISTON	ND	\$51,103
2500 CREW CAB 4X4 LB	EVAN LARSON - MECHANIC	BISMARCK	ND	51,103
F-550 REG CAB 4x4 ALTEC AT37G (IRP)	TRAVIS WOJAHN - SRV	BEACH	ND	100,000
				\$202,207
Utility Factor 12 - North Dakota Transmission & Distribution Plant - Electric:				68.560429%
North Dakota Electric:				\$138,634
Total from above:				\$47,572
Total North Dakota Electric				\$186,206

Row Labels	Sum of provision
00001-Montana Dakota Utilities Co.	
Auto	
UA- Montana Electric	194,553.41
UB- Montana Gas	295,636.24
UD- North Dakota Electric	508,913.30
UE- North Dakota Gas	457,085.00
UG- South Dakota Electric	55,809.00
UH- South Dakota Gas	20,483.15
UI- Wyoming Electric	73,672.66
UJ- Wyoming Gas	70,401.41
UK- East River Gas	-
UM- Great Plains Gas Minnesota	2,933.51
UN- North Dakota Wahpeton	964.89
UT- FERC Utility Transmission	-
Auto Total	1,680,452.57
Work	
UA- Montana Electric	245,896.58
UB- Montana Gas	58,656.64
UD- North Dakota Electric	436,714.31
UE- North Dakota Gas	208,893.96
UG- South Dakota Electric	37,681.20
UH- South Dakota Gas	17,824.89
UI- Wyoming Electric	74,807.61
UJ- Wyoming Gas	44,573.81
UK- East River Gas	-
UM- Great Plains Gas Minnesota	412.07
UN- North Dakota Wahpeton	162.23
UT- FERC Utility Transmission	-
Work Total	1,125,623.30
00001-Montana Dakota Utilities Co. Total	2,806,075.87
00040-Great Plains Natural Gas Co.	
Auto	
UM- Great Plains Gas Minnesota	133,895.60
UN- North Dakota Wahpeton	-
Auto Total	133,895.60
Work	
UM- Great Plains Gas Minnesota	29,428.56
UN- North Dakota Wahpeton	-
Work Total	29,428.56
00040-Great Plains Natural Gas Co. Total	163,324.16
Grand Total	2,969,400.03

Montana-Dakota Utilities Co.
Auto & Work Equipment Usage-Expense/Capital
AA - Total Company
December 31, 2021

Current Year Only				
	2021 YTD Expense Charges	2021 YTD Capital Additions	2021 YTD Expense & Capital	2021 Avg. % to Expense
Auto - 922	3,525,492.46	1,603,253.62	5,128,746.08	68.74%
Work Equipment - 962	567,016.57	1,406,490.47	1,973,507.04	28.73%
Total	4,092,509.03	3,009,744.09	7,102,253.12	57.62%

Capital/Expense Assets Tabs

Three Year Average										
	2019 YTD Expense Charges	2020 YTD Expense Charges	2021 YTD Expense Charges	2019-2021 Expense Charges	2019 YTD Capital Additions	2020 YTD Capital Additions	2021 YTD Capital Additions	2019-2021 Capital Additions	2019-2021 Expense & Capital	2019-2021 Avg. % to Expense
Auto - 922	3,445,222.84	3,302,900.76	3,525,492.46	10,273,616.06	1,468,014.45	1,518,166.62	1,603,253.62	4,589,434.69	14,863,050.75	69.12%
Work Equipment - 962	615,941.84	613,433.86	567,016.57	1,796,392.27	1,220,343.17	1,436,839.22	1,406,490.47	4,063,672.86	5,860,065.13	30.65%
Total	4,061,164.68	3,916,334.62	4,092,509.03	12,070,008.33	2,688,357.62	2,955,005.84	3,009,744.09	8,653,107.55	20,723,115.88	58.24%

* Copied 2019-2020 from last year data

** 2021 Same as Above

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
VEHICLE AND WORK EQUIPMENT WORKPAPER - FUEL

Accounting Values (inclusive of O&M and Capitized fuel)

		2021	2022	2023
	Volumes	Spent 2021	Price Per Gallon	Price Per Gallon
Gas	345,312.34	\$1,042,918.85	\$3.02	\$3.79
Diesel	271,574.34	\$872,673.01	\$3.21	\$4.15
	616,886.68	\$1,915,591.86		\$2,435,767.28
Utility Factor 28 - Corporate Overhead - Electric:	56.100000%			56.100000%
		\$1,074,647		\$1,366,465
Juris Factor #24 - O&M Excl. Fuel & Purchased Power:	65.432518%			65.432518%
North Dakota Electric:		\$703,169		\$894,112
% in O&M		57.62%		58.24%
O&M Fuel Expense		\$405,166		\$520,731
Fuel Adjustment				\$115,565
				\$61,286

The forecast: [Short-Term Energy Outlook - U.S. Energy Information Administration \(EIA\)](#)

Price Summary				
	2020	2021	2022	2023
WTI Crude Oil ^a (dollars per barrel)	39.17	68.21	101.17	84.98
Brent Crude Oil (dollars per barrel)	41.69	70.89	105.22	88.98
Gasoline ^b (dollars per gallon)	2.18	3.02	3.79	3.33
Diesel ^c (dollars per gallon)	2.56	3.29	4.15	3.80
Heating Oil ^d (dollars per gallon)	2.44	3.00	3.85	3.48
Natural Gas ^d (dollars per thousand cubic feet)	10.76	12.27	12.54	11.70
Electricity ^d (cents per kilowatthour)	13.16	13.72	14.24	14.32

^aWest Texas Intermediate.

^bAverage regular pump price.

^cOn-highway retail.

^dU.S. Residential average.

**ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021
UTILITIES WORKPAPER**

<u>Utilities</u>	Per Books 2021	Average 1/ 2018, 2019, 2021	Renewable Rider	L&C 1 and Heskett 1 & 2	Adjusted 2021	Projected 2022 - 2023	3/
Production	\$18,325	\$15,115	\$4,856	\$7,293	\$6,176	\$6,176	4/
Transmission	4,817	6,484			4,817	6,484	
Distribution	27,753	32,938			27,753	32,938	
Customer Accounts	1,766	3,740			1,766	3,740	
Sales	0	317			0	317	
Administrative & General	16,165	14,613			16,165	14,613	
Total	<u>\$68,826</u>	<u>\$73,207</u>	<u>\$4,856</u>	<u>\$7,293</u>	<u>\$56,677</u>	<u>\$64,268</u>	

<u>Company Consumption - Electric</u>	Per Books 2021	Average 1/ 2018, 2019, 2021	Renewable Rider	L&C 1 and Heskett 1 & 2	Adjusted 2021	Projected 2022 - 2023	3/
Production	\$7,434	\$4,056	\$1,104	\$502	\$5,828	\$2,450	
Transmission	13,037	14,604			13,037	14,604	
Distribution	78,368	99,307			78,368	99,307	
Administrative & General	99,151	98,341			99,151	98,341	
Total	<u>\$197,990</u>	<u>\$216,308</u>	<u>\$1,104</u>	<u>\$502</u>	<u>\$196,384</u>	<u>\$214,702</u>	

<u>Company Consumption - Gas</u>	Per Books 2021		Renewable Rider	L&C 1 and Heskett 1 & 2	Adjusted 2021	Projected 2022	2/
Production	\$49,595			\$24,714	\$24,881	\$33,920	
Transmission	608				608	\$829	
Distribution	33,797				33,797	\$46,075	
Administrative & General	32,765				32,765	\$44,668	
Total	<u>\$116,765</u>		<u>\$0</u>	<u>\$24,714</u>	<u>\$92,051</u>	<u>\$125,491</u>	

<u>Company Consumption - Gas</u>	Per Books 2021		Renewable Rider	L&C 1 and Heskett 1 & 2	Adjusted 2021	Projected 2023	5/
Production	\$49,595			\$24,714	\$24,881	\$29,981	
Transmission	608				\$608	\$733	
Distribution	33,797				\$33,797	\$40,724	
Administrative & General	32,765				\$32,765	\$39,481	
Total	<u>\$116,765</u>		<u>\$0</u>	<u>\$24,714</u>	<u>\$92,051</u>	<u>\$110,918</u>	

1/ Based on three year (2018, 2019, 2021) average annual expense.

2/ Based on a Weather Normalized 2021 reflecting a 12.25% increase in volumes and an increase in projected cost of gas of \$5.752 per dk for Natural Gas and \$14.2073 per dk for Propane.

3/ Based on Average or Normalized value less Renewable Rider and Heskett 1 & 2 and Lewis & Clark 1 Adjustment.

4/ Utilities projection is based on the adjusted 2021 value.

5/ Based on a Weather Normalized 2021 reflecting a 12.25% increase and an increase in projected cost of gas of \$5.082 per dk for Natural Gas and \$14.2073 per dk for Propane.

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
POSTAGE
WORK PAPER

	ND Electric & Combo Ebill Customers	Change in # of Ebill Customers from Current Month to End of Year	Postage Rate	Postage Savings
January 2021	24,876	3,465	\$0.389 1/	\$1,348
February	25,204	3,137	0.398 2/	1,249
March	25,516	2,825	0.398	1,124
April	25,781	2,560	0.398	1,019
May	25,957	2,384	0.398	949
June	26,270	2,071	0.398	824
July	26,614	1,727	0.398	687
August	26,971	1,370	0.398	545
September	27,277	1,064	0.426 3/	453
October	27,604	737	0.426	314
November	27,938	403	0.426	172
December	28,341	0	0.426	0
Total				<u>\$8,684</u>
2021 Postage Expense 4/				\$400,316
2021 Postage Savings				(8,684)
2022 Postage Rate Increase				<u>17,814</u>
Projected 2022 Postage Expense				<u><u>\$409,446</u></u>
Projected 2023 Postage Expense				<u><u>\$419,928</u></u>

Postage Rates	Rate	Days	Percentage
Effective January 26, 2020	\$0.389	23	6.30%
Effective January 24, 2021	0.398	217	59.45%
Effective August 29, 2021	0.426	125	34.25%
		365	100.00%
Current Effective Rate	\$0.426		
2021 Rate Weighted Average	<u>0.407</u>		
Rate Increase	\$0.019		
2022 Postage Rate Increase	4.45%		
Inflation Rate 2023	2.56%		

1/ Postage rate of \$0.389 was effective January 26, 2020.

2/ Postage rate of \$0.398 was effective January 24, 2021.

3/ Postage rate of \$0.426 was effective August 29, 2021.

4/ Adjusted per books 2021 to exclude Renewable Riders, Heskett, and Lewis and Clark.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
POSTAGE
2021 EBILL CUSTOMERS
WORK PAPER**

Monthly North Dakota Ebills						
	Electric	Gas	Combo	Total	Check	Difference
January 2021	11,418	15,904	13,458	40,780	40,780	0
February	11,569	16,114	13,635	41,318	41,318	0
March	11,712	16,314	13,804	41,830	41,830	0
April	11,834	16,483	13,947	42,264	42,264	0
May	11,915	16,596	14,042	42,553	42,553	0
June	12,058	16,795	14,212	43,065	43,065	0
July	12,216	17,016	14,398	43,630	43,630	0
August	12,380	17,244	14,591	44,215	44,215	0
September	12,521	17,439	14,756	44,716	44,716	0
October	12,671	17,648	14,933	45,252	45,252	0
November	12,824	17,862	15,114	45,800	45,800	0
December	13,009	18,119	15,332	46,460	46,460	0

Ebill Customer Allocation																	
2021																	
January			February			March			April			May			June		
Ebill			Ebill			Ebill			Ebill			Ebill			Ebill		
	Customers	Percentage		Customers	Percentage		Customers	Percentage		Customers	Percentage		Customers	Percentage		Customers	Percentage
Electric	11,224	28.00%	Electric	11,419	28.00%	Electric	11,569	28.00%	Electric	11,712	28.00%	Electric	11,834	28.00%	Electric	11,915	28.00%
Gas	15,634	39.00%	Gas	15,904	39.00%	Gas	16,114	39.00%	Gas	16,314	39.00%	Gas	16,483	39.00%	Gas	16,596	39.00%
Combo	13,228	33.00%	Combo	13,457	33.00%	Combo	13,635	33.00%	Combo	13,804	33.00%	Combo	13,947	33.00%	Combo	14,042	33.00%
Total	40,086	100.00%	Total	40,780	100.00%	Total	41,318	100.00%	Total	41,830	100.00%	Total	42,264	100.00%	Total	42,553	100.00%
July			August			September			October			November			December		
Ebill			Ebill			Ebill			Ebill			Ebill			Ebill		
	Customers	Percentage		Customers	Percentage		Customers	Percentage		Customers	Percentage		Customers	Percentage		Customers	Percentage
Electric	12,058	28.00%	Electric	12,216	28.00%	Electric	12,380	28.00%	Electric	12,521	28.00%	Electric	12,671	28.00%	Electric	12,824	28.00%
Gas	16,795	39.00%	Gas	17,016	39.00%	Gas	17,244	39.00%	Gas	17,439	39.00%	Gas	17,648	39.00%	Gas	17,862	39.00%
Combo	14,212	33.00%	Combo	14,398	33.00%	Combo	14,591	33.00%	Combo	14,756	33.00%	Combo	14,933	33.00%	Combo	15,114	33.00%
Total	43,065	100.00%	Total	43,630	100.00%	Total	44,215	100.00%	Total	44,716	100.00%	Total	45,252	100.00%	Total	45,800	100.00%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
POSTAGE
NORTH DAKOTA EBILL CUSTOMERS
2021
WORKPAPER**

	Gas	Combo	Electric	Total
January 2021	15,634	13,228	11,224	40,086
February	15,904	13,457	11,419	40,780
March	16,114	13,635	11,569	41,318
April	16,314	13,804	11,712	41,830
May	16,483	13,947	11,834	42,264
June	16,596	14,042	11,915	42,553
July	16,795	14,212	12,058	43,065
August	17,016	14,398	12,216	43,630
September	17,244	14,591	12,380	44,215
October	17,439	14,756	12,521	44,716
November	17,648	14,933	12,671	45,252
December	17,862	15,114	12,824	45,800

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023
WORK PAPER**

	Per Books 2021	Projected 2022 1/	Projected 2023 2/
Customer Accounting	\$6	\$0	\$0
Customer Service & Information	63,220	65,351	67,024
Sales	4,783	0	0
A&G	66,092	61,616	63,193
Total	<u>\$134,101</u>	<u>\$126,967</u>	<u>\$130,217</u>

	Per Books 2021	Eliminate	Total
<u>Customer Records and Collections (903)</u>			
Account 5715 Other	\$6	(\$6)	\$0
Total Customer Records and Collections	<u>\$6</u>	<u>(\$6)</u>	<u>\$0</u>

<u>Customer Service & Information (909)</u>			
Account 5711 Radio	\$26,547	\$0	\$26,547
Account 5712 Newspaper	708	0	708
Account 5715 Other	35,965	0	35,965
Total Customer Service & Information	<u>\$63,220</u>	<u>\$0</u>	<u>\$63,220</u>

<u>Sales (913)</u>			
Account 5712 Newspaper	\$234	(\$234)	\$0
Account 5715 Other	4,549	(4,549)	0
Total Sales	<u>\$4,783</u>	<u>(\$4,783)</u>	<u>\$0</u>

<u>A&G (930)</u>			
Account 5711 Radio	\$1,350	(\$1,326)	\$24
Account 5712 Newspaper	4,764	(1,630)	3,134
Account 5713 Television	331	0	331
Account 5715 Other	59,647	(3,529)	56,118
Total A&G	<u>\$66,092</u>	<u>(\$6,485)</u>	<u>\$59,607</u>

Total	<u><u>\$134,101</u></u>	<u><u>(\$11,274)</u></u>	<u><u>\$122,827</u></u>

1/ Eliminates promotional advertising expense and advertising expenses not applicable to North Dakota electric operations, and reflects inflation rate of 3.37% increase.

2/ Reflects inflation rate of 2.56% increase.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
OBJECT 5711-RADIO
TWELVE MONTHS ENDING DECEMBER 31, 2021
WORK PAPER**

<u>Account Number</u>	<u>Account Description</u>	<u>ND Electric</u>	<u>Name</u>	<u>Doc. Number</u>	<u>Explanation</u>	<u>Eliminate</u>
71003.5711.19090	Inform. & Instr. Adv.	\$12,872.88	MG MEDIA STRATEGIES	2172590		
		12,872.88	MG MEDIA STRATEGIES	2186278		
88700.5711.19090	Inform. & Instr. Adv.	800.86	VAN HORN MEDIA	2190255		
210.5711.19301	Institutional Advertising	443.47	KGFX-FM RADIO	2159424	MOBRIDGE-SOUTH DAKOTA	(\$443.47)
		284.56	KOLY-FM (AM)	2161669	MOBRIDGE-SOUTH DAKOTA	(284.56)
		142.28	KOLY-FM (AM)	2169788	MOBRIDGE-SOUTH DAKOTA	(142.28)
		142.28	KOLY-FM (AM)	2173023	MOBRIDGE-SOUTH DAKOTA	(142.28)
		142.28	KGFX-FM RADIO	2178874	MOBRIDGE-SOUTH DAKOTA	(142.28)
		170.74	LINTON PUBLIC SCHOOL	2180776	MOBRIDGE-SOUTH DAKOTA	(170.74)
240.5711.19301	Institutional Advertising	25.00	FLAG FAMILY MEDIA	2161081		
		<u>\$27,897.23</u>				<u>(\$1,325.61)</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
OBJECT 5712-NEWSPAPER
TWELVE MONTHS ENDING DECEMBER 31, 2021
WORK PAPER**

Account Number	Account Description	ND Electric	Name	Doc. Number	Explanation	Eliminate
121.5712.19090	Inform. & Instr. Adv.	\$120.00	CREDIT CARD ENTRY	1379245		
		120.00	CREDIT CARD ENTRY	1382136		
		115.00	CREDIT CARD ENTRY	1403616		
71003.5712.19090	Inform. & Instr. Adv. - ND Electric	42.11	BISMARCK TRIBUNE	2154842		
		311.00	ABERDEEN NEWS COMPANY	2162888		
120.5712.19130	Promotional Advertising	234.00	BISMARCK-MANDAN HBA	2194068	PROMOTIONAL ADVERTISING	(\$234.00)
120.5712.19301	Institutional Advertising	115.00	GS PUBLISHING LLC	2150348		
		38.25	TOWN & COUNTRY ADVERTISING	2175517		
		61.00	BISMARCK TRIBUNE	2193616		
152.5712.19301	Institutional Advertising	181.89	FORUM COMMUNICATIONS COMPANY	2184579		
		182.90	FORUM COMMUNICATIONS COMPANY	2191723		
		176.38	FORUM COMMUNICATIONS COMPANY	2196028		
210.5712.19301	Institutional Advertising	231.99	DICKEY COUNTY LEADER	2149624	MOBRIDGE-SOUTH DAKOTA	(231.99)
		4.38	DICKEY COUNTY LEADER	2157057	MOBRIDGE-SOUTH DAKOTA	(4.38)
		107.95	DICKEY COUNTY LEADER	2157659	MOBRIDGE-SOUTH DAKOTA	(107.95)
		19.57	PRAIRIE PIONEER	2161683	MOBRIDGE-SOUTH DAKOTA	(19.57)
		8.76	DICKEY COUNTY LEADER	2168154	MOBRIDGE-SOUTH DAKOTA	(8.76)
		187.35	THE PRIDE OF THE PRAIRIE	2169981	MOBRIDGE-SOUTH DAKOTA	(187.35)
		70.70	MCPHERSON COUNTY HERALD	2172484	MOBRIDGE-SOUTH DAKOTA	(70.70)
		51.66	N.W. BLADE	2176381	MOBRIDGE-SOUTH DAKOTA	(51.66)
		82.89	NAPOLEON HOMESTEAD	2184837	MOBRIDGE-SOUTH DAKOTA	(82.89)
		135.60	DICKEY COUNTY LEADER	2191874	MOBRIDGE-SOUTH DAKOTA	(135.60)
		298.53	EMMONS COUNTY RECORD	2195530	MOBRIDGE-SOUTH DAKOTA	(298.53)
240.5712.19301	Institutional Advertising	79.95	MCKENZIE COUNTY FARMER	2149763		
		29.25	KENMARE NEWS INC	2150305		
		42.25	MOUNTRAIL COUNTY PROMOTER INC	2150656		
		108.16	WILLISTON HERALD INC	2152715		
		9.75	MCKENZIE COUNTY FARMER	2154685		
		257.69	WILLISTON DAILY HERALD	2155469		
		19.50	JOURNAL PUBLISHING INC - CROSB	2157835		
		42.25	MCKENZIE COUNTY FARMER	2157854		
		19.50	KENMARE NEWS INC	2159148		
		13.00	KENMARE NEWS INC	2161769		
		133.25	MCKENZIE COUNTY FARMER	2161770		
		9.75	MCKENZIE COUNTY FARMER	2164633		
		9.75	KENMARE NEWS INC	2165271		
		9.75	MCKENZIE COUNTY FARMER	2168667		
		13.00	KENMARE NEWS INC	2168960		
		(104.78)	WILLISTON HERALD INC	2109625		
		107.25	MCKENZIE COUNTY FARMER	2172888		
		90.35	MULTIMEDIA SALES & MARKETING	2174197		
		3.25	MOUNTRAIL COUNTY PROMOTER INC	2175038		
		91.00	MCKENZIE COUNTY FARMER	2177101		
		13.00	KENMARE NEWS INC	2180512		
		150.80	MCKENZIE COUNTY FARMER	2181108		
		3.25	MOUNTRAIL COUNTY PROMOTER INC	2182489		
		52.00	KENMARE NEWS INC	2185871		
		9.75	MCKENZIE COUNTY FARMER	2185956		
		193.70	JOURNAL PUBLISHING INC - CROSB	2187409		
		74.75	MCKENZIE COUNTY FARMER	2188941		
		3.25	MOUNTRAIL COUNTY PROMOTER INC	2190790		
		13.00	KENMARE NEWS INC	2191868		
		620.75	MOUNTRAIL COUNTY PROMOTER INC	2190790		
71003.5712.19301	Institutional Advertising	128.48	WILLISTON HERALD INC	2158627		
		6.40	STEELE OZONE PRESS	2158751		
		46.69	BISMARCK TRIBUNE - advertising	2171963		
		10.00	STEELE OZONE PRESS	2172939		
		68.89	BISMARCK TRIBUNE	2193616		
88300.5712.19301	Institutional Advertising	233.44	SIDNEY HERALD	2182674	MONTANA	(233.44)
		196.99	GLENDIVE RANGER-REVIEW	2189599	MONTANA	(196.99)
		<u>\$5,705.92</u>				<u>(\$1,666.82)</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
OBJECT 5713-TELEVISION
TWELVE MONTHS ENDING DECEMBER 31, 2021
WORK PAPER**

<u>Account Number</u>	<u>Account Description</u>	<u>ND Electric</u>	<u>Name</u>	<u>Doc. Number</u>	<u>Explanation</u>
71003.5713.19301	Institutional Advertising	\$193.20	KXMC	2167664	
		32.20	KXMC	2188529	
		105.14	KFYR-TV	2195719	
		<u>\$330.54</u>			

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
OBJECT 5715-OTHER
TWELVE MONTHS ENDING DECEMBER 31, 2021
WORK PAPER**

Account Number	Account Description	ND Electric	Name	Doc. Number	Explanation	Eliminate
71300.5715.19030	Customer Records & Collect.	\$5.68	CREDIT CARD ENTRY	1411329	ND ENERGY ASSISTANCE	(\$5.68)
71000.5715.19090	Inform. & Instr. Adv.	13,839.23	BISMARCK TRIBUNE	2180984		
		2,493.69	BISMARCK TRIBUNE	11044		
71003.5715.19090	Inform. & Instr. Adv.	593.13	OFF THE WALL ADVERTISING INC	2159598		
		620.00	Newman Signs	2160695		
		620.00	Newman Signs	2161077		
		593.13	OFF THE WALL ADVERTISING INC	2162091		
		620.00	Newman Signs	2163985		
		620.00	Newman Signs	2164472		
		1,186.25	OFF THE WALL ADVERTISING INC	2166941		
		1,240.00	Newman Signs	2167577		
		1,240.00	Newman Signs	2168143		
		1,186.25	OFF THE WALL ADVERTISING INC	2170872		
		1,240.00	Newman Signs	2171244		
		1,240.00	Newman Signs	2173397		
		593.13	OFF THE WALL ADVERTISING INC	2179345		
		593.13	OFF THE WALL ADVERTISING INC	2183434		
		620.00	Newman Signs	2183466		
		620.00	Newman Signs	2185497		
		620.00	Newman Signs	2187029		
		593.13	OFF THE WALL ADVERTISING INC	2188267		
		620.00	Newman Signs	2188732		
		620.00	Newman Signs	2191663		
		620.00	Newman Signs	2193037		
71100.5715.19090	Inform. & Instr. Adv.	83.10	CREDIT CARD ENTRY	1372190	PHONE LISTINGS	
		123.52	CREDIT CARD ENTRY	1374971	PHONE LISTINGS	
		64.19	CENTURY LINK	2166162		
		134.62	CENTURY LINK	2169091		
		192.58	CENTURY LINK	2176403		
73303.5715.19090	Inform. & Instr. Adv.	6.89	CREDIT CARD ENTRY	1393478	WABA Golf Sponsorship	
		42.04	CREDIT CARD ENTRY	1393478	WABA Golf Sponsorship	
		10.57	CREDIT CARD ENTRY	1393478	WABA Golf Sponsorship	
		15.78	CREDIT CARD ENTRY	1393478	WABA Golf Sponsorship	
		8.40	CREDIT CARD ENTRY	1393478	WABA Golf Sponsorship	
		35.00	CREDIT CARD ENTRY	1393478	WABA Golf Sponsorship	
88700.5715.19090	Inform. & Instr. Adv.	2,417.78	CULVER COMPANY	2190952		
240.5715.19130	Promotional Advertising	150.00	CREDIT CARD ENTRY	1407474	PROMOTIONAL ADVERTISING	(150.00)
71000.5715.19130	Promotional Advertising	1,402.51	VERNON COMPANY	2166075	PROMOTIONAL ADVERTISING	(1,402.51)
		2,067.94	CREDIT CARD ENTRY	1388980	PROMOTIONAL ADVERTISING	(2,067.94)
71003.5715.19130	Promotional Advertising	161.00	WESTERN REGION ECONOMIC DEVELO	2164109	PROMOTIONAL ADVERTISING	(161.00)
		32.20	ST MARY'S BOOSTER CLUB	2164275	PROMOTIONAL ADVERTISING	(32.20)
		161.00	EDND	2182598	PROMOTIONAL ADVERTISING	(161.00)
		574.00	WILLISTON BASIN CHAPTER OF API	10680	PROMOTIONAL ADVERTISING	(574.00)
12.5715.19301	Institutional Advertising	80.36	CREDIT CARD ENTRY	1388980	MDU LOGO GOLF BALLS	
120.5715.19301	Institutional Advertising	100.00	BEULAH PARKS AND RECREATION DE	2162157		
		250.00	GRANT COUNTY FAIR ASSOCIATION	2162520		
		50.00	BEULAH HIGH SCHOOL	2162534		
		50.00	OKTOBERFEST	2162583		
		100.00	SAKAKAWEA MEDICAL CENTER	2162789		
		25.50	GLEN ULLIN PUBLIC SCHOOL YEARB	2163630		
		260.00	MANDAN PROGRESS ORGANIZATION	2166936		
		260.00	MANDAN PROGRESS ORGANIZATION	2166937		
		234.00	BISMARCK-MANDAN HBA	2167404		
		780.00	MANDAN PROGRESS ORGANIZATION	2168025		
		234.00	BISMARCK-MANDAN HBA	2171458		
		520.00	RONALD MCDONALD HOUSE	2180891		
		260.00	MAR CLUB INC	2180892		
		260.00	CENTURY HIGH SCHOOL	2180893		
		25.00	ELGIN LIONS CLUB	2181350		
		60.00	GS PUBLISHING LLC	2183394		
		39.50	STEELE OZONE PRESS	2183801		
152.5715.19301	Institutional Advertising	278.89	MOTT LIONS CLUB	2148040	DICKINSON, ND - GAS OPERATION	(278.89)
		135.04	FORUM COMMUNICATIONS COMPANY	2156413	DICKINSON, ND - GAS OPERATION	(135.04)
		179.76	DICKINSON SOCCER CLUB	2157669	DICKINSON, ND - GAS OPERATION	(179.76)
		(128.37)	FORUM COMMUNICATIONS COMPANY	2161324	DICKINSON, ND - GAS OPERATION	128.37
		272.83	FORUM COMMUNICATIONS COMPANY	2164382	DICKINSON, ND - GAS OPERATION	(272.83)
		321.54	MOTT COUNTRY CLUB	2168809	DICKINSON, ND - GAS OPERATION	(321.54)
		(119.81)	KILLDEER BOOSTER CLUB	2172573	DICKINSON, ND - GAS OPERATION	119.81
		342.90	LEMMON SPORTS BOOSTERS	2177505	DICKINSON, ND - GAS OPERATION	(342.90)
		95.35	FORUM COMMUNICATIONS COMPANY	2181182	DICKINSON, ND - GAS OPERATION	(95.35)
		104.72	FORUM COMMUNICATIONS COMPANY	2187572	DICKINSON, ND - GAS OPERATION	(104.72)
		12.91	CREDIT CARD ENTRY	1411308	DICKINSON, ND - GAS OPERATION	(12.91)
210.5715.19301	Institutional Advertising	32.83	WISHEK BOWLING LANES	2154297	MOBRIDGE-SOUTH DAKOTA	(32.83)
		17.07	GETTYSBURG COUNTRY CLUB	2156335	MOBRIDGE-SOUTH DAKOTA	(17.07)
		328.34	CITY OF EUREKA	2157658	MOBRIDGE-SOUTH DAKOTA	(328.34)
		678.56	BEAVER VALLEY HORSE CLUB	2167029	MOBRIDGE-SOUTH DAKOTA	(678.56)
		21.89	EUREKA LIONS CLUB	2170832	MOBRIDGE-SOUTH DAKOTA	(21.89)
		493.60	MOBRIDGE FIRE DEPARTMENT	2172611	MOBRIDGE-SOUTH DAKOTA	(493.60)
		109.45	ELLENDALE CHAMBER OF COMMERCE	2178713	MOBRIDGE-SOUTH DAKOTA	(109.45)
		14.23	LINTON LIONS CLUB	2190503	MOBRIDGE-SOUTH DAKOTA	(14.23)
		17.51	WISHEK LIONS CLUB	2194464	MOBRIDGE-SOUTH DAKOTA	(17.51)

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
ADVERTISING
OBJECT 5715-OTHER
TWELVE MONTHS ENDING DECEMBER 31, 2021
WORK PAPER**

<u>Account Number</u>	<u>Account Description</u>	<u>ND Electric</u>	<u>Name</u>	<u>Doc. Number</u>	<u>Explanation</u>	<u>Eliminate</u>
240.5715.19301	Institutional Advertising	75.00	CREDIT CARD ENTRY	1385823	DONATION	
		19.50	FLAXTON COMMUNITY CLUB	2183066		
71000.5715.19301	Institutional Advertising	273.31	FUSION BUSINESS CONFERENCE	2154418		
71003.5715.19301	Institutional Advertising	322.00	SALVATION ARMY	2152905		
		1,863.00	CITY OF BISMARCK	2154111		
		5,750.00	CITY OF BISMARCK	2154113		
		96.60	WILDROSE SUMMER FEST	2159568		
		104.65	ALERT MAGAZINE	2161460		
		59.57	VFW Veterans of Foreign Wars (	2163721		
		59.57	NORTH DAKOTA AMERICAN LEGION S	2163722		
		86.94	NORTH DAKOTA AMERICAN LEGION S	2163723		
		250.00	CREDIT CARD ENTRY	1382467	TABLE SPONSORSHIP	
		150.00	CREDIT CARD ENTRY	1382467	SPONSORSHIP	
		842.58	CREDIT CARD ENTRY	1382467	LOGO BALL MARKERS	
		161.00	NORTH DAKOTA STATE FAIR	2165259		
		20.00	CARSON WOMENS CLUB	2167326		
		52.00	BISMARCK-MANDAN HBA	2171457		
		159.03	CREDIT CARD ENTRY	1388980	WEBSITE AD	
		161.00	RECLASS SPONSORSHIP EXPENSE	1390833		
		48.30	WCFMS EVENT ACCOUNT	2175203		
		96.60	NDEPA	2175631		
		86.94	NORTH DAKOTA AMERICAN LEGION S	2177255		
		157.89	CREDIT CARD ENTRY	1398675	WEBSITE AD	
		270.00	BISMARCK BLIZZARD HOCKEY	2183903		
		59.57	VFW DEPT OF NORTH DAKOTA	2187177		
		86.94	AMERICAN LEGION POST 38	2187184		
		143.50	CREDIT CARD ENTRY	1404396	MILITARY AFFAIRS GOLF TOURNAMENT	
		345.00	NORTH DAKOTA WATER	2188929		
		1,304.10	CITY OF BISMARCK	2192241		
		8.05	GUPPIES	2192952		
		540.00	ON TIME SPORTS	2193207		
		6,697.00	BISMARCK EVENT CENTER	2195878		
90100.5715.19301	Institutional Advertising	475.43	NORTH DAKOTA SAFETY COUNFIL	2186317		
99400.5715.19301	Institutional Advertising	31,704.65	MDUR CORPORATE DEPARTMENT ALLOCATION	5188		
820002.5715.19301	Institutional Advertising	319.78	LEWIS AND CLARK II EXPENSES FOR MAY	1389630	L&C - STEAM EXPENSES REMAIN AFTER CLOSING	(319.78)
		<u>\$100,166.97</u>				<u>(\$8,083.35)</u>

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
INDUSTRY DUES
2021
WORKPAPER

Statement G
Schedule G-1
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sposibi	Object	Account	unt	Descrioc	Numb	G/L	Date	Explanation	LT	1	Amount	LT	ND	ND %	ND \$	Explanation -Remark-
99400	5912	193077	Industrial	I	5188	01/31/2021	0121 MDUR Corp Dept Allocation		3936.36	AA	26		66.215883%	2606.50	MDUR Cross Charge 29995	
99400	5912	193077	Industrial	I	5189	01/31/2021	0121 Other SS Dept Alloc		143.86	AA	26		66.215883%	95.26	MDUR Cross Charge 20767	
820000	5912	193077	Industrial	I	1E+06	02/28/2021	0221 L&C EXPENSES FOR JANUARY		-1500	AA	15		71.062334%	-1065.94	Steam expenses remain after cl	
820002	5912	193077	Industrial	I	1E+06	02/28/2021	0221 L&C EXPENSES FOR JANUARY		1500	AA	15		71.062334%	1065.94	Steam expenses remain after cl	
99400	5912	193077	Industrial	I	5328	02/28/2021	0221 MDUR Corp Dept Allocation		1502.74	AA	26		66.215883%	995.05	MDUR Cross Charge 29995	
99400	5912	193077	Industrial	I	5334	02/28/2021	0221 Other SS Dept Allocation		140.9	AA	26		66.215883%	93.30	MDUR Cross Charge 20970	
99400	5912	193077	Industrial	I	5513	03/31/2021	0321 MDUR Corp Dept. Alloc.		736	AA	26		66.215883%	487.35	MDUR Cross Charge 29995	
99400	5912	193077	Industrial	I	5647	04/30/2021	0421 MDUR Corp Dept Alloc		1840	AA	26		66.215883%	1218.37	MDUR Cross Charge 29995	
160	5912	193077	Industrial	I	2E+06	08/21/2021	MILES CITY AREA CHAMBER OF COM		200	AA	2	Montana			2021 dues	
99400	5912	193077	Industrial	I	5645	04/30/2021	0421 Other SS Dept Alloc		-2.82	AA	26		66.215883%	-1.87	MDUR Cross Charge 20970	
99400	5912	193077	Industrial	I	5926	06/30/2021	0621 Other SS Dept Alloc		140.9	AA	26		66.215883%	93.30	MDUR Cross Charge 20970	
99400	5912	193077	Industrial	I	6080	07/31/2021	0721 MDUR Corp Dept Alloc		1479.08	AA	26		66.215883%	979.40	MDUR Cross Charge 29995	
99400	5912	193077	Industrial	I	6371	09/30/2021	0921 MDUR Corp Dept Allocation		2978.5	AA	26		66.215883%	1972.24	MDUR Cross Charge 29995	
99400	5912	193077	Industrial	I	6519	10/31/2021	1021 MDUR Corp Dept Allocation		144.3	AA	26		66.215883%	95.55	MDUR Cross Charge 29995	
810002	5912	193077	Industrial	I	1E+06	12/31/2021	1221 HSK EXPENSES FOR NOVEMBER		-750	AA	15		71.062334%	-532.97	Steam expenses remain after cl	
810003	5912	193077	Industrial	I	1E+06	12/31/2021	1221 HSK EXPENSES FOR NOVEMBER		750	AA	15		71.062334%	532.97	Steam expenses remain after cl	
99400	5912	193077	Industrial	I	6874	12/31/2021	1221 Other SS Dept Allocation		138.18	AA	26		66.215883%	91.50	MDUR Cross Charge 20970	
210	5912	193077	Industrial	I	2E+06	03/08/2021	ASHLEY CHAMBER OF COMMERCE		200	AA	155		43.778313%	87.56	2021 dues	
71003	5912	193077	Industrial	I	8358	02/26/2021	BISMARCK-MANDAN CHAMBER OF COM		4600	AA	3		100.000000%	4600.00	dues	
230	5912	193077	Industrial	I	2E+06	01/05/2021	SHERIDAN COUNTY CHAMBER OF COM		265	AA	5	Wyoming			2021 MEMBERSHIP	
230	5912	193077	Industrial	I	2E+06	04/12/2021	DOWNTOWN SHERIDAN ASSOCIATION		100	AA	5	Wyoming			2021 Membership	
230	5912	193077	Industrial	I	2E+06	10/20/2021	BIG HORN LIONS CLUB		145	AA	5	Wyoming			CLUB DUES	
230	5912	193077	Industrial	I	2E+06	11/09/2021	WYOMING RETAIL ASSOCIATION		69	AA	5	Wyoming			MEMBERSHIP DUES	
231	5912	193077	Industrial	I	2E+06	02/12/2021	ONE-CALL OF WYOMING		299	AA	5	Wyoming			Tickets / Membership	
231	5912	193077	Industrial	I	2E+06	02/12/2021	ONE-CALL OF WYOMING		92	AA	5	Wyoming			Tickets / Membership	
120	5912	193077	Industrial	I	2E+06	05/26/2021	BISMARCK-MANDAN HBA		221	AA	3		100.000000%	221.00	Annual Membership Dues	
240	5912	193077	Industrial	I	2E+06	01/13/2021	CROSBY AREA CHAMBER		150	AA	3		100.000000%	150.00	MEMBERSHIP DUES	
250	5912	193077	Industrial	I	2E+06	02/18/2021	WOLF POINT CHAMBER OF COMMERCE		300	AA	2	Montana			Attn Jeff Presser dues	
250	5912	193077	Industrial	I	2E+06	05/06/2021	PLENTYWOOD LIONS CLUB		137	AA	2	Montana			2021 Club Dues	
152	5912	193077	Industrial	I	2E+06	06/08/2021	DICKINSON AREA BUILDERS ASSOCI		220.4	AA	161		95.030320%	209.45	DUES	
71002	5912	193077	Industrial	I	1E+06	09/30/2021	RECLASS DUPL PYMT TO PRE-PAID		-840	AA	2	Montana			DOC #2179653 RICHLAND ECON DEV	
71002	5912	193077	Industrial	I	2E+06	01/01/2021	Dawson Co. Economic Developmen		840	AA	2	Montana			2021 dues	
71002	5912	193077	Industrial	I	2E+06	01/22/2021	RICHLAND ECONOMIC DEVELOPMENT		345	AA	2	Montana			Mt Young Prof Summit 2021	
71002	5912	193077	Industrial	I	2E+06	08/09/2021	RICHLAND ECONOMIC DEVELOPMENT		840	AA	2	Montana			REDC 2021 Annual Membership	
71002	5912	193077	Industrial	I	2E+06	08/27/2021	RICHLAND ECONOMIC DEVELOPMENT		840	AA	2	Montana			2021 Annual Membership	
71002	5912	193077	Industrial	I	2E+06	09/22/2021	MILES CITY AREA CHAMBER OF COM		172.5	AA	2	Montana			ANNUAL PARTNERSHIP	
71002	5912	193077	Industrial	I	2E+06	12/27/2021	DAWSON COLLEGE FOUNDATION		483	AA	2	Montana			2022 Member Investor	
152	5912	193077	Industrial	I	2E+06	10/21/2021	DICKINSON AREA CHAMBER OF COMM		310.3	AA	161		95.030320%	294.88	2021-2022 Membership	
71003	5912	193077	Industrial	I	2E+06	01/06/2021	DOWNTOWN BISMARCK COMMUNITY FO		2550	AA	3		100.000000%	2550.00	2021 INVESTMENT	
71003	5912	193077	Industrial	I	2E+06	12/01/2021	DOWNTOWN BUSINESS ASSOC		945.3	AA	3		100.000000%	945.30	Membership Dec.2021-Nov.2022	
88900	5912	193077	Industrial	I	2E+06	01/01/2021	EDISON ELECTRIC INSTITUTE		2500	AA	26		66.215883%	1655.40	2021 DUES	
88900	5912	193077	Industrial	I	2E+06	02/19/2021	EDISON ELECTRIC INSTITUTE		12541.41	AA	26		66.215883%	8304.42	2021 USWAG dues	
88900	5912	193077	Industrial	I	2E+06	11/23/2021	EDISON ELECTRIC INSTITUTE		2500	AA	26		66.215883%	1655.40	2022 APLIC Member Dues	
98500	5912	193077	Industrial	I	2E+06	01/01/2021	EDISON ELECTRIC INSTITUTE		115381.5	AA	26		66.215883%	76400.88	2021 MEMBERSHIP DUES	
71003	5912	193077	Industrial	I	2E+06	01/04/2021	EDND		230	AA	3		100.000000%	230.00	2021 membership	
71003	5912	193077	Industrial	I	2E+06	04/23/2021	EDND		161	AA	3		100.000000%	161.00	2021 summer conference sponsor	
120	5912	193077	Industrial	I	2E+06	02/19/2021	ELGIN COMMUNITY BETTERMENT INC		75	AA	3		100.000000%	75.00	Business Membership	
120	5912	193077	Industrial	I	2E+06	07/16/2021	ELGIN LIONS CLUB		70	AA	3		100.000000%	70.00	yearly dues	
210	5912	193077	Industrial	I	2E+06	05/20/2021	ELLENDAL CHAMBER OF COMMERCE		210	AA	155		43.778313%	91.93	Membership Investment 2021	
71004	5912	193077	Industrial	I	2E+06	03/17/2021	GOVERNOR'S OFFICE OF ECONOMIC		180	AA	4	South Dakota			2021 conference	
120	5912	193077	Industrial	I	2E+06	11/04/2021	HEBRON BUSINESS CLUB		12.75	AA	3		100.000000%	12.75	Dues until Sept. 2022	
210	5912	193077	Industrial	I	2E+06	06/11/2021	HOVEN SERVICE CLUB		25	AA	155		43.778313%	10.94	Membership	
210	5912	193077	Industrial	I	2E+06	02/12/2021	IPSWICH COMMERCIAL CLUB		32.5	AA	155		43.778313%	14.23	Business Membership	
71003	5912	193077	Industrial	I	1E+06	04/30/2021	K CALLAHAN 3-21		250	AA	3		100.000000%	250.00	API Membership	
71000	5912	193077	Industrial	I	1E+06	08/31/2021	K CALLAHAN 7-21		425	AA	26		66.215883%	281.42	HBA Membership	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		120	AA	26		66.215883%	79.46	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		120	AA	26		66.215883%	79.46	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		120	AA	26		66.215883%	79.46	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		40	AA	26		66.215883%	26.49	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		60	AA	26		66.215883%	39.73	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		60	AA	26		66.215883%	39.73	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		60	AA	26		66.215883%	39.73	OATI Annual subscription	
88300	5912	193077	Industrial	I	1E+06	03/30/2021	K KINGSLEY 3-21		20	AA	26		66.215883%	13.24	OATI Annual subscription	
98500	5912	193077	Industrial	I	2E+06	01/26/2021	LIGNITE ENERGY COUNCIL		95550	AA	26		66.215883%	63269.28	2021 dues	
98500	5912	193077	Industrial	I	2E+06	02/28/2021	LIGNITE ENERGY COUNCIL		6453.17	AA	26		66.215883%	4273.02	User Dues	
120	5912	193077	Industrial	I	2E+06	05/25/2021	MANDAN PROGRESS ORGANIZATION		52	AA	3		100.000000%	52.00	2020/2021 Annual Membership D.	
122	5912	193077	Industrial	I	2E+06	12/21/2021	MANDAN PROGRESS ORGANIZATION		52	AA	3		100.000000%	52.00	2021-2022 MPO Membership	
98500	5912	193077	Industrial	I	2E+06	01/14/2021	MEA ENERGY ASSOCIATION		8227.7	AA	26		66.215883%	5448.04	MEMBER 20610	
90100	5912	193077	Industrial	I	2E+06	11/04/2021	MINNESOTA SAFETY COUNCIL		290	AA	26		66.215883%	192.03	DUES 12/21-11/22	
88300	5912	193077	Industrial	I	2E+06	03/17/2021	MISO ACCOUNTS RECEIVABLE		1000	AA	26		66.215883%	662.16	2021 annual fee	
210	5912	193077	Industrial	I	2E+06	01/01/2021	MOBRIDGE AREA CHAMBER OF COMME		650	AA	155		43.778313%	284.56	2021 MEMBERSHIP	
98502	5912	193077	Industrial	I	2E+06	01/12/2021	MONTANA COAL COUNCIL		3600	AA	2	Montana			2021 Dues MT Coal Council Dues	
98502	5912	193077	Industrial	I	2E+06	05/12/2021	MONTANA WATER RESOURCES ASSOC.		73.6	AA	2	Montana			2021 MEMBERSHIP DUES	
210	5912	193077	Industrial	I	2E+06	07/01/2021	MOBRIDGE ROTARY CLUB		117	AA	155		43.778313%	51.22	Dues 7/1/21-12/31/21	
210	5912	193077	Industrial	I	2E+06	09/28/2021	NAPOLION BUSINESS ASSOCIATION		75	AA	155		43.778313%	32.83	COMMUNITY CALENDAR	
98504	5912	193077	Industrial	I	2E+06	03/04/2021	SOUTH DAKOTA ELECTRIC UTILITY		7274.3	AA	4	South Dakota			1st Qtr 2021 Dues	
98504	5912	193077	Industrial	I	2E+06	04/19/2021	SOUTH DAKOTA ELECTRIC UTILITY		7274.3	AA	4	South Dakota			Membership Dues 2nd Qtr 2021	
98504	5912	193077	Industrial	I	2E+06	07/20/2021	SOUTH DAKOTA ELECTRIC UTILITY		7474.24	AA	4	South Dakota			3RD QTR MEMBERSHIP DUES	
98504	5912	193077	Industrial	I	2E+06	10/11/2021	SOUTH DAKOTA ELECTRIC UTILITY		7474.24	AA	4	South Dakota			4th quarter dues	
71003	5912	193077	Industrial	I	2E+06	02/18/2021	NDEPA		112.7	AA	3		100.000000%	112.70	2021 Associate Member NDEPA	
88300	5912	193077	Industrial	I	2E+06	03/17/2021	NORTH AMERICAN ENERGY MARKETS		3000	AA	26		66.215883%	1986.48	dues	
98500	5912	193077	Industrial	I	2E+06	07/02/2021	NORTH CENTRAL ELECTRIC ASSOCIA		11722	AA	26		66.215883%	7761.83	2020-21 MEMBERSHIP	
90100	5912	193077	Industrial	I	2E+06	11										

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
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71003	5912	193077	Industrial I	2E+06	06/30/2021	ROTARY CLUB OF WILLISTON	112.7	AA	3	100.0000000%	112.70	2021-2022 DUES
210	5912	193077	Industrial I	2E+06	01/01/2021	SDEC	40	AA	155	43.778313%	17.51	Member 10178 Dues-2021
210	5912	193077	Industrial I	2E+06	03/08/2021	SELBY COMMUNITY CLUB	48.75	AA	155	43.778313%	21.34	Membership/ Sponsorship
810002	5912	193077	Industrial I	2E+06	11/29/2021	SIDNEY AREA CHAMBER OF COMMERC	750	AA	15	71.062334%	532.97	MEMBERSHIP
71003	5912	193077	Industrial I	2E+06	10/28/2021	STARK DEVELOPMENT CORPORATION	115	AA	3	100.0000000%	115.00	MEMBERSHIP DUES
71003	5912	193077	Industrial I	2E+06	01/20/2021	Theodore Roosevelt Express	230	AA	3	100.0000000%	230.00	MEMBERSHIP
98503	5912	193077	Industrial I	2E+06	05/07/2021	UTILITY SHAREHOLDERS OF NORTH	14950	AA	3	100.0000000%	14950.00	1ST HALF 2021 DUES
98503	5912	193077	Industrial I	2E+06	05/07/2021	UTILITY SHAREHOLDERS OF NORTH	14950	AA	3	100.0000000%	14950.00	2ND HALF 2021 DUES
88900	5912	193077	Industrial I	2E+06	02/19/2021	WEST ASSOCIATES	8400	AA	26	66.215883%	5562.13	2021 West Associates Dues
71003	5912	193077	Industrial I	2E+06	01/01/2021	WESTERN REGION ECONOMIC DEVELO	115	AA	3	100.0000000%	115.00	2021 dues
240	5912	193077	Industrial I	2E+06	01/01/2021	WILLISTON AREA CHAMBER OF COMM	396.5	AA	3	100.0000000%	396.50	2021 dues
210	5912	193077	Industrial I	2E+06	03/17/2021	WISHEK ASSOCIATION OF COMMERCE	80	AA	155	43.778313%	35.02	dues

Total: 229847.12

**MONTANA-DAKOTA UTILITIES CO.
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Responsibility	Object	Account	Account Description	Doc Number	G/L Date	Explanation	LT 1 Amount
120	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	75
120	5912	193077	Industrial	1386192	05/31/2021	ALLOCATE RATE BASE	273
120	5912	193077	Industrial	1394034	07/31/2021	ALLOCATE RATE BASE	70
120	5912	193077	Industrial	1408389	11/30/2021	ALLOCATE RATE BASE	12.75
122	5912	193077	Industrial	1412667	12/31/2021	ALLOCATE RATE BASE	52
152	5912	193077	Industrial	1390568	06/30/2021	ALLOCATE RATE BASE	209.45
152	5912	193077	Industrial	1404707	10/31/2021	ALLOCATE RATE BASE	294.88
210	5912	193077	Industrial	1373842	01/31/2021	ALLOCATE RATE BASE	302.07
210	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	14.23
210	5912	193077	Industrial	1379615	03/31/2021	ALLOCATE RATE BASE	143.92
210	5912	193077	Industrial	1386192	05/31/2021	ALLOCATE RATE BASE	91.93
210	5912	193077	Industrial	1390568	06/30/2021	ALLOCATE RATE BASE	10.94
210	5912	193077	Industrial	1394034	07/31/2021	ALLOCATE RATE BASE	51.22
210	5912	193077	Industrial	1400606	09/30/2021	ALLOCATE RATE BASE	32.83
240	5912	193077	Industrial	1373842	01/31/2021	ALLOCATE RATE BASE	546.5
71000	5912	193077	Industrial	1397921	08/31/2021	ALLOCATE RATE BASE	281.42
71003	5912	193077	Industrial	1373842	01/31/2021	ALLOCATE RATE BASE	3125
71003	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	4712.7
71003	5912	193077	Industrial	1382953	04/30/2021	ALLOCATE RATE BASE	411
71003	5912	193077	Industrial	1390568	06/30/2021	ALLOCATE RATE BASE	112.7
71003	5912	193077	Industrial	1394034	07/31/2021	ALLOCATE RATE BASE	-161
71003	5912	193077	Industrial	1404707	10/31/2021	ALLOCATE RATE BASE	115
71003	5912	193077	Industrial	1412667	12/31/2021	ALLOCATE RATE BASE	945.3
88300	5912	193077	Industrial	1379615	03/31/2021	ALLOCATE RATE BASE	3045.93
88900	5912	193077	Industrial	1373842	01/31/2021	ALLOCATE RATE BASE	1655.4
88900	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	13866.54
88900	5912	193077	Industrial	1408389	11/30/2021	ALLOCATE RATE BASE	1655.4
90100	5912	193077	Industrial	1408389	11/30/2021	ALLOCATE RATE BASE	523.11
98500	5912	193077	Industrial	1373842	01/31/2021	ALLOCATE RATE BASE	145118.2
98500	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	4273.02
98500	5912	193077	Industrial	1394034	07/31/2021	ALLOCATE RATE BASE	7761.83
98503	5912	193077	Industrial	1386192	05/31/2021	ALLOCATE RATE BASE	29900
99400	5912	193077	Industrial	1373973	01/31/2021	ALLOCATE RATE BASE	2606.5
99400	5912	193077	Industrial	1373973	01/31/2021	ALLOCATE RATE BASE	95.26
99400	5912	193077	Industrial	1376507	02/28/2021	ALLOCATE RATE BASE	995.05
99400	5912	193077	Industrial	1376507	02/28/2021	ALLOCATE RATE BASE	93.3
99400	5912	193077	Industrial	1379768	03/31/2021	ALLOCATE RATE BASE	487.35
99400	5912	193077	Industrial	1383053	04/30/2021	ALLOCATE RATE BASE	1218.37
99400	5912	193077	Industrial	1383053	04/30/2021	ALLOCATE RATE BASE	-1.87
99400	5912	193077	Industrial	1390719	06/30/2021	ALLOCATE RATE BASE	93.3
99400	5912	193077	Industrial	1394118	07/31/2021	ALLOCATE RATE BASE	979.39
99400	5912	193077	Industrial	1394129	07/31/2021	ALLOCATE RATE BASE	979.39
99400	5912	193077	Industrial	1394129	07/31/2021	ALLOCATE RATE BASE	-979.39
99400	5912	193077	Industrial	1400740	09/30/2021	ALLOCATE RATE BASE	1972.24
99400	5912	193077	Industrial	1404815	10/31/2021	ALLOCATE RATE BASE	95.55
99400	5912	193077	Industrial	1412667	12/31/2021	ALLOCATE RATE BASE	91.5
810002	5912	193077	Industrial	1408669	11/30/2021	ALLOCATE RATE BASE	532.97
810002	5912	193077	Industrial	1412667	12/31/2021	ALLOCATE RATE BASE	-532.97
810003	5912	193077	Industrial	1412714	12/31/2021	ALLOCATE RATE BASE	532.97
820000	5912	193077	Industrial	1373842	01/31/2021	ALLOCATE RATE BASE	1065.94
820000	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	-1065.94
820002	5912	193077	Industrial	1376332	02/28/2021	ALLOCATE RATE BASE	1065.94

Column Total **229847.12**

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
INDUSTRY DUES
2022
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Responsit	Object	Account	Account D	Doc Numb	G/L	Date	Explanation	LT 1	Amou	LT	ND	ND %	ND \$	Explanation -Remark-
120	5912	193077	Industrial M	2201004	01/26/2022	BEULAH CHAMBER OF COMMERCE		700	AA	3	100.000000%	700.00	2022 MEMBERSHIP DUES	
210	5912	193077	Industrial M	2200788	01/25/2022	WISHEK ASSOCIATION OF COMMERCE		80	AA	155	44.836724%	35.87	2022 Membership	
210	5912	193077	Industrial M	2201501	01/31/2022	LINTON CHAMBER OF COMMERCE		52	AA	155	44.836724%	23.32	2022 Annual Membership Dues	
71003	5912	193077	Industrial M	2193508	01/01/2022	EDND		115	AA	3	100.000000%	115.00	2022 MEMBERSHIP	
71003	5912	193077	Industrial M	2197431	01/01/2022	NDEPA		561.75	AA	3	100.000000%	561.75	2022 dues	
71003	5912	193077	Industrial M	2199260	01/13/2022	DOWNTOWN BISMARCK COMMUNITY FO		1605	AA	3	100.000000%	1605.00	2022 Investment	
88300	5912	193077	Industrial M	2199665	01/17/2022	NORTH AMERICAN ENERGY MARKETS		3000	AA	26	65.532371%	1965.97	2022 Annual NAEMA Mem. Dues	
88400	5912	193077	Industrial M	2190085	01/01/2022	INTERNATIONAL RIGHT-OF-WAY		250	AA	26	65.532371%	163.83	2022 MEMBERSHIP DUES	
88800	5912	193077	Industrial M	1415529	01/31/2022	MOVE FROM PREPAID FOR 2022		2546.8	AA	26	65.532371%	1668.98	2022 UTC Membership	
88900	5912	193077	Industrial M	2201273	01/28/2022	WEST ASSOCIATES		7466.4	AA	26	65.532371%	4892.91	Membership Dues	
98500	5912	193077	Industrial M	2195056	01/01/2022	LIGNITE ENERGY COUNCIL		98700	AA	26	65.532371%	64680.45	2022 DUES	
98500	5912	193077	Industrial M	2196006	01/01/2022	MEA ENERGY ASSOCIATION		14516.2	AA	26	65.532371%	9512.81	Member 20610 Dues 2022	
98500	5912	193077	Industrial M	2197430	01/01/2022	EDISON ELECTRIC INSTITUTE		117019.2	AA	26	65.532371%	76685.456	2022 dues	
99400	5912	193077	Industrial M	7030	01/31/2022	0122 Other SS Dept Allocation		142.42	AA	26	65.532371%	93.33	MDUR Cross Charge 20767	
99400	5912	193077	Industrial M	7032	01/31/2022	0122 MDUR Corp Dept Allocation		4018.59	AA	26	65.532371%	2633.48	MDUR Cross Charge 29995	

Edison Electric - Feb.										Total		ND	
☒	88900.5912.193077	Industrial Memberships								20,535.15	13,457.17	7,077.98 9	
November Payment													
1638.309													

**MONTANA-DAKOTA UTILITIES CO.
INSURANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDING DECEMBER 31, 2021**

Description	Total Electric	ND Electric 1/
Directors & Officer's Liability Insurance	\$219,347	\$145,243
General Liability:		
Fiduciary Liability	18,542	12,278
Employment Liability	8,194	5,426
Excess Liability	1,451,819	961,334
Property - All Risk	741,278	490,844
Blanket Crime	9,272	6,140
Special Contingency	952	630
Hired and Non-owned Aircraft Liability	785	520
Self Insurance	459,091	303,991
Coyote Insurance	275,269	182,272
Big Stone Insurance	256,134	169,601
	<u>\$3,440,683</u>	<u>\$2,278,279</u>

1/ Allocated to North Dakota on Factor No. 26 - O&M excluding
Fuel & Purchased Power & A&G: 66.215883%

**MONTANA-DAKOTA UTILITIES CO.
INSURANCE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
PROJECTED 2022 & 2023**

Description	Expiration	Annual Premium	Quarterly Admin Fee	Total	% Electric 1/	Electric Utility	Projected 2022 North Dakota Electric 2/	Projected 2023 North Dakota Electric 3/
Directors & Officer's Liability Insurance	10/31/2022	\$464,672	\$10,709	\$475,381	56.10%	\$266,689	\$174,768	\$192,245
General Liability								
Fiduciary Liability	10/31/2022	48,162	1,116	49,278	38.70%	19,071	12,498	13,748
Employment Liability	12/31/2022	21,826		21,826	38.70%	8,447	5,536	6,090
Excess Liability	12/31/2022	3,022,833	67,031	3,089,864	56.10%	1,733,414	1,135,947	1,288,084 4/
Property - All Risk	12/31/2022	1,242,100	28,669	1,270,769	56.10%	712,901	467,181	564,551 4/
Blanket Crime	10/31/2022	16,896	390	17,286	56.10%	9,697	6,355	6,991
Special Contingency	5/1/2024	1,597		1,597	56.10%	896	587	587 5/
Hired and Non-owned Aircraft Liability	11/30/2022	1,044	22	1,066	100.00%	1,066	699	769
Self Insurance	N.A.	758,558		758,558	56.10%	425,551	278,874	278,874
Coyote Insurance	12/31/2022	327,402		327,402	100.00%	327,402	232,485	255,734
Big Stone Insurance	12/31/2022	303,266		303,266	100.00%	303,266	215,346	236,881
		<u>\$6,208,356</u>	<u>\$107,937</u>	<u>\$6,316,293</u>		<u>\$3,808,400</u>	<u>\$2,530,276</u>	<u>\$2,844,554</u>

1/ Allocation to Electric Utility:

Corporate Overhead - Factor #28:	56.10%
Number of Employees - Factor #27:	38.70%

2/ Allocation to North Dakota Jurisdiction:

O&M excluding F&PP and A&G - Factor #26:	65.532371% (All insurance except Coyote and Big Stone)
Integrated Sys. 12 Month Peak Demand - Factor #15:	71.009009% (Coyote and Big Stone)

3/ Inflation factor for projected 2023 insurance: 10.00%

4/ Heskett IV insurance:

	<u>Excess Liability</u>
Plant in service:	\$46,469,597
Projected Excess Liability Insurance Rate:	<u>\$0.829</u> (per \$1,000 of plant in service)
Projected Heskett IV Property Insurance:	38,542
	<u>Property</u>
Plant in service:	\$46,469,597
Projected Property Insurance Rate:	<u>\$0.109</u> (per \$100 of plant in service)
Projected Heskett IV Property Insurance:	50,652

5/ Premium effective through May 2024, no increase for projected 2023 period.

MONTANA-DAKOTA UTILITIES CO.
INSURANCE EXPENSE - SELF INSURANCE
ELECTRIC UTILITY - NORTH DAKOTA
WORK PAPER

Self Insurance	Total
2017	\$583,398
2018	462,082
2019	1,219,301
2020	726,325
2021	801,686
	\$3,792,792
Average	\$758,558

**MONTANA-DAKOTA UTILITIES CO.
RATE CASE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023**

	Actual 2016 ND Electric	PU-22-
Concentric Energy Advisors Inc. (ROE)	\$105,929	\$265,595
AUS Consultants, Inc (Depreciation)	1,440	0
Even Sanderson, PC (Legal)	33,520	89,375
Atrium Economics (Rate Design)	0	219,345
Christensen Assoc Energy Consulting (Rate Design)	174,505	0
ND PSC Expense	146,846	175,000
<u>Other</u>		
Federal Express, Media ads, other exp.	0	500
Total Rate Case Expense	<u>\$462,240</u>	<u>\$749,815</u>

3 year amortization	\$249,938
Recurring Level of Expense 2/	52,001
Projected Regulatory Commission Expense	<u>\$301,939</u>

2/ Reflects 3 year average expense.
Recurring Level of Regulatory Expense

	Electric	2019	2020	2021
Legal Fees (5222)	\$20,170	\$3,591		\$16,579
Coyote Station Exp. (5260)	532		\$532	
Deferred Charge Amortization (5983)	199,999	125,042	74,957	
Total	<u>\$220,701</u>	<u>\$128,633</u>	<u>\$75,489</u>	<u>\$16,579</u>
Less: Deferred Charge	199,999			
Total	<u>\$20,702</u>			
3 year average	\$6,901			
Permits & Filing Fees (5913) 3/	45,100			
Total	<u>\$52,001</u>			

3/ Reflects projected permits and filing fees.
Estimate for Permits & Filing Fees (5913)

	Estimated Items	Rate/Item	Total
Filings	2	\$1,000	\$2,000
Riders	3	500	1,500
PCA	12	50	600
Assessment	1	41,000	41,000
			<u>\$45,100</u>

**MONTANA-DAKOTA UTILITIES CO.
RATE CASE EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021
PROJECTED 2022-2023**

	Estimated Hours	Rate/hr	Total
<u>Estimate for Concentric (ROE & Depreciation Study Witness)</u>			
Senior VP	111	\$650	\$72,150
Assistant Vice President	57	475	27,075
Senior Project Manager	77	435	33,495
Project Manager	126	410	51,660
Senior Analyst	15	385	5,775
Assistant Consultant	84	350	29,400
Analyst	138	280	38,640
Associate	24	185	4,440
Project Assistant	37	80	2,960
	<u>669</u>		<u>\$265,595</u>

	Estimated Hours	Rate/hr	Total
<u>Estimate for Atrium (Rate Design)</u>			
Managing Partner	327	\$385	\$125,895
Managing Consultant	267	350	93,450
	<u>594</u>		<u>\$219,345</u>

Estimate for Even Sanderson (Legal)	325	\$275	\$89,375

Electric Depreciation Study 1/	\$143,813
ND Factor 39 - Electric Plant Excl Common GO	66.443034%
Allocated to ND Electric	<u>\$95,554</u>

Estimated Common Depreciation Study	\$19,717
Utility Factor 26- Common Plant	54.270859%
Jurisdictional Factor 220 - ND Common Plant	69.700487%
Allocated to ND Common Electric	<u>\$7,458</u>

Total Depreciation Study Expense	<u>\$103,012</u>
5 year average	<u>\$20,602</u>

1/ Costs incurred in 2021.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
TWELVE MONTHS ENDING DECEMBER 31, 2021
PROJECTED 2022-2023
SUMMARY
WORKPAPER**

Projected 2022								Projected 2023 1/
Responsibility								Total
	721	888	926	951	964	994	Total	
Production	\$107,253	\$17,012					\$124,265	\$140,519
Transmission	122,431	270,456					392,887	444,277
Distribution	23,085	2,428					25,513	28,850
Customer Accounting	0				11,136		11,136	12,593
A&G	528,523	5,743	535,798	29,903	43,872	359,431	1,503,270	1,699,898
Total	\$781,292	\$295,639	\$535,798	\$29,903	\$55,008	\$359,431	\$2,057,071	\$2,326,137

Per Books								Projected	
	2015	2016	2017	2018	2019	2020	2021	2022	2023
Software Maintenance	\$862,038	\$1,073,641	\$1,141,417	\$1,459,771	\$1,442,720	\$1,805,783	\$1,893,027	\$2,057,071	\$2,326,137
Percent Increase		24.55%	6.31%	27.89%	-1.17%	25.17%	4.83%	8.67%	13.08%
5 Year Average Percent Increase								13.08%	

1/ Projected 2023 reflects a five year average increase of 13.08%.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
RESPONSIBILITIES 888 AND 994
PROJECTED 2022-2023
WORKPAPER**

Responsibility	2018	2019	2020	2021	Projected	
					2022	2023
888 - Production	\$13,801	\$20,389	\$10,133	\$16,388	\$17,012	\$16,928
888 - Transmission	206,582	230,330	248,508	260,530	270,456	269,131
888 - Distribution	32,675	38,200	45,994	2,339	2,428	2,416
888 - A&G	5,680	13,069	10,228	5,532	5,743	5,715
	<u>\$258,738</u>	<u>\$301,988</u>	<u>\$314,863</u>	<u>\$284,789</u>	<u>\$295,639</u>	<u>\$294,190</u>
Percent Increase		16.72%	4.26%	-9.55%	3.81%	-0.49%
3 Year Average Percentage Increase					<u>3.81%</u>	<u>-0.49%</u>
994 - A&G	\$264,205	\$227,217	\$300,510	\$328,999	<u>\$359,431</u>	<u>\$420,534</u>
Percent Increase		-14.00%	32.26%	9.48%	9.25%	17.00%
3 Year Average Percentage Increase					<u>9.25%</u>	<u>17.00%</u>

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
PROJECTED 2022-2023
WORKPAPER

Software	Description	Responsibility	Account Description	Function	Allocation	2022					2023
						Total Company Expense	Electric MDU Percentage	Electric MDU Expense	Electric North Dakota Percentage	Electric North Dakota Expense	Electric North Dakota Expense
Itron	Field Collection Services	964	Meter Reading Expenses	Customer Accounting	Meters	50,000	13.01%	6,505	64.873042%	4,220	4,389
Itron	Fixed Network	964	Meter Reading Expenses	Customer Accounting	Meters	30,000	13.01%	3,903	64.873042%	2,532	2,633
NetMotion Software - Reseller Insight	VPN	964	Meter Reading Expenses	Customer Accounting	Meters	51,944	13.01%	6,758	64.873042%	4,384	4,559
CGI	PCAD	964	Office Supplies	A&G	Meters	300,000	13.01%	39,030	65.532371%	25,577	26,600
Zonar	Zonar	964	Office Supplies	A&G	Employee Count	98,300	28.40%	27,917	65.532371%	18,295	19,027
ASCENT	GIS	951	Office Supplies	A&G	Meters	7,500	13.01%	976	65.532371%	640	666
ESRI (Environmental Systems Research Inst.) Software	GIS	951	Office Supplies	A&G	Meters	175,000	13.01%	22,768	65.532371%	14,920	15,517
VertiGIS (Latitude Geographics)	GIS	951	Office Supplies	A&G	Meters	35,688	13.01%	4,643	65.532371%	3,043	3,165
Schneider Electric (ArcFM)	GIS	951	Office Supplies	A&G	Meters	101,710	13.01%	13,232	65.532371%	8,671	9,018
ESRI (Environmental Systems Research Inst.) Software (Maximo)	GIS	951	Office Supplies	A&G	Meters	15,000	13.01%	1,952	65.532371%	1,279	1,330
Insight (NVDIA)	GIS	951	Office Supplies	A&G	Meters	10,839	13.01%	1,410	65.532371%	924	961
ESRI (Environmental Systems Research Inst.) Software	GIS	951	Office Supplies	A&G	Meters	5,000	13.01%	650	65.532371%	426	443
Anchor Software, LLC	CCB	926	Office Supplies	A&G	Meters	34,000	13.01%	4,423	65.532371%	2,898	3,014
Automic Software (CA Inc.)	CCB	926	Office Supplies	A&G	Meters	60,000	13.01%	7,806	65.532371%	5,115	5,320
All-Out Security (Gate Software)	Audit	926	Office Supplies	A&G	Employee Count	16,000	28.40%	4,544	65.532371%	2,978	3,097
Bottomline Technologies	JDE	926	Office Supplies	A&G	Meters	3,100	13.01%	403	65.532371%	264	275
Bottomline Technologies	JDE	926	Office Supplies	A&G	Meters	4,000	13.01%	520	65.532371%	341	355
NewEra Software - Reseller Marco	Self-Serv/IVR	926	Office Supplies	A&G	Customer Count	30,000	11.14%	3,342	65.532371%	2,190	2,278
Cascade Software - Reseller DNVGL		926	Office Supplies	A&G	MDU-Electric Only	75,000	100.00%	75,000	65.532371%	49,149	51,115
Crawford Technologies Inc.	ECM	926	Office Supplies	A&G	Meters	4,500	13.01%	585	65.532371%	383	398
Opentext (Documentum)	ECM	926	Office Supplies	A&G	Employee Count	50,000	28.40%	14,200	65.532371%	9,306	9,678
Energy Economics Inc.	MMS	926	Office Supplies	A&G	Employee Count	30,180	28.40%	8,571	65.532371%	5,617	5,842
FuseForward Maximo Hosting	Maximo	926	Office Supplies	A&G	Customer Count	200,000	11.14%	22,280	65.532371%	14,601	15,185
Genus Technologies (Kofax)	Tungsten	926	Office Supplies	A&G	Meters	5,500	13.01%	716	65.532371%	469	488
Global Software Inc.	JDE	926	Office Supplies	A&G	Employee Count	15,000	28.40%	4,260	65.532371%	2,792	2,904
IBM Maximo (OnTracks)	Maximo	926	Office Supplies	A&G	Customer Count	276,000	11.14%	30,746	65.532371%	20,149	20,955
LiveChat Software - Reseller Marco	Self-Serv/IVR	926	Office Supplies	A&G	Customer Count	11,400	11.14%	1,270	65.532371%	832	865
Reseller Corp. (MathCAD)	CAD Tools	926	Office Supplies	A&G	MDU-Electric Only	2,100	100.00%	2,100	65.532371%	1,376	1,431
TopCon Solutions (Autodesk)	CAD Tools	926	Office Supplies	A&G	Customer Count-MDU Only	79,000	32.80%	25,912	65.532371%	16,981	17,660
US CAD (Bluebeam)	CAD Tools	926	Office Supplies	A&G	Customer Count-MDU Only	2,000	32.80%	656	65.532371%	430	447
OnTracks	Maximo	926	Office Supplies	A&G	Customer Count	1,200	11.14%	134	65.532371%	88	92
Mycelium	CCB	926	Office Supplies	A&G	Meters	80,000	13.01%	10,408	65.532371%	6,821	7,094
Navisite (Velocity before)	JDE	926	Office Supplies	A&G	Employee Count	300,000	28.40%	85,200	65.532371%	55,834	58,067
OpenText (Extreme) (Dialogue)	CCB	926	Office Supplies	A&G	Meters	65,000	13.01%	8,457	65.532371%	5,542	5,764
OpenText (OnSerts)	CCB	926	Office Supplies	A&G	Meters	12,000	13.01%	1,561	65.532371%	1,023	1,064
Oracle	JDE	926	Office Supplies	A&G	Employee Count	100,000	28.40%	28,400	65.532371%	18,611	19,355
Oracle	CCB	926	Office Supplies	A&G	Meters	499,000	13.01%	64,920	65.532371%	42,544	44,246
Oracle	CCB	926	Office Supplies	A&G	Meters	180	13.01%	23	65.532371%	15	16
Oracle	CCB	926	Office Supplies	A&G	Meters	270,000	13.01%	35,127	65.532371%	23,020	23,941
Oracle	CCB	926	Office Supplies	A&G	Meters	70,000	13.01%	9,107	65.532371%	5,968	6,207
Oracle	JDE	926	Office Supplies	A&G	Employee Count	6,092	28.40%	1,730	65.532371%	1,134	1,179
Oracle	Self-Serv/IVR	926	Office Supplies	A&G	Meters	10,800	13.01%	1,405	65.532371%	921	958
Oracle	Oracle	926	Office Supplies	A&G	MDU-Electric Only	12,677	100.00%	12,677	65.532371%	8,308	8,640
Pluralsight	Training	926	Office Supplies	A&G	Meters	4,500	13.01%	585	65.532371%	383	398
Power Line Systems Inc.	CAD Tools	926	Office Supplies	A&G	MDU-Electric Only	13,000	100.00%	13,000	65.532371%	8,519	8,860
PowerPlan Inc.	PowerPlan	926	Office Supplies	A&G	Capitalization	490,000	32.09%	157,241	65.532371%	103,044	107,166
PowerBuilder (Appeon)	PowerPlan	926	Office Supplies	A&G	Capitalization	2,500	32.09%	802	65.532371%	526	547
ReportsNow	JDE	926	Office Supplies	A&G	Meters	7,000	13.01%	911	65.532371%	597	621
SAP	CCB	926	Office Supplies	A&G	Meters	10,000	13.01%	1,301	65.532371%	853	887
SendGrid	Self-Serv/IVR	926	Office Supplies	A&G	Customer Count	14,400	11.14%	1,604	65.532371%	1,051	1,093
Telvent DTN	Weather	926	Office Supplies	A&G	Meters	33,486	13.01%	4,357	65.532371%	2,855	2,969
ThoughtSpot	ThoughtSpot	926	Office Supplies	A&G	Meters	90,000	13.01%	11,709	65.532371%	7,673	7,980
Tungsten Network Inc.	Tungsten	926	Office Supplies	A&G	Meters	6,700	13.01%	872	65.532371%	571	594
Twillio	Self-Serv/IVR	926	Office Supplies	A&G	Meters	30,000	13.01%	3,903	65.532371%	2,558	2,660
UKGPro (UltiPro before)	HR Employee Data	926	Office Supplies	A&G	Employee Count	277,200	28.40%	78,725	65.532371%	51,590	53,654
Verve Software	Security	926	Office Supplies	A&G	Meters	127,000	13.01%	16,523	65.532371%	10,828	11,261
Vertex Inc.	JDE	926	Office Supplies	A&G	Meters	8,700	13.01%	1,132	65.532371%	742	772
Workiva Inc.	Workiva	926	Office Supplies	A&G	Customer Count-MDU Only	51,110	32.80%	16,764	65.532371%	10,986	11,425
Workiva Inc.	FERC Reporting	926	Office Supplies	A&G	Workiva	64,860	25.00%	16,215	65.532371%	10,626	11,051
UKGPro (UltiPro before)	HR Employee Data	926	Office Supplies	A&G	Employee Count	89,712	28.40%	25,478	65.532371%	16,696	17,364

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
PROJECTED 2022-2023
WORKPAPER

Software	Description	Responsibility	Account Description	Function	Allocation	2022					2023
						Total Company Expense	Electric MDU Percentage	Electric MDU Expense	Electric North Dakota Percentage	Electric North Dakota Expense	Electric North Dakota Expense
CYME International		721	Operation Supervision and Eng.	Distribution	MDU-Electric Only	29,021	100.00%	29,021	65.171411%	18,913	19,670
Energy Economics Inc. (MMS)		721	Office Supplies	A&G	Meters	31,092	13.01%	4,045	65.532371%	2,651	2,757
IQGEO America Inc. (UBI)		721	Office Supplies	A&G	Meters	71,000	13.01%	9,237	65.532371%	6,053	6,295
Radio Soft		721	Office Supplies	A&G	MDU-Electric Only	500	100.00%	500	65.532371%	328	341
Energy Worldnet		721	Office Supplies	A&G	Employee Count	173,000	28.40%	49,132	65.532371%	32,197	33,485
Google		721	Office Supplies	A&G	Meters	288	13.01%	37	65.532371%	24	25
JJ Keller		721	Office Supplies	A&G	Employee Count	33,500	28.40%	9,514	65.532371%	6,235	6,484
Redvector.com		721	Office Supplies	A&G	Employee Count	65,000	28.40%	18,460	65.532371%	12,097	12,581
Safe Software		721	Operation Supervision and Eng.	Distribution	MDU-Electric Only	4,311	100.00%	4,311	65.171411%	2,810	2,922
Site Safety		721	Office Supplies	A&G	Employee Count	6,724	28.40%	1,910	65.532371%	1,252	1,302
Stilwell		721	Office Supplies	A&G	Meters	2,833	13.01%	369	65.532371%	242	252
Citrix		721	Office Supplies	A&G	Employee Count	29,000	28.40%	8,236	65.532371%	5,397	5,613
Microsoft		721	Office Supplies	A&G	Employee Count	798,000	28.40%	226,632	65.532371%	148,517	154,458
DTN LLC.	Weatherbilling	721	Office Supplies	A&G	Customer Count	42,720	11.14%	4,759	65.532371%	3,119	3,244
BTE	Smartmaster	721	Misc. Distribution Expenses	Distribution	MDU-Electric Only	2,090	100.00%	2,090	65.171411%	1,362	1,416
CCH Inc.	PDFlyer	721	Office Supplies	A&G	Meters	2,400	13.01%	312	65.532371%	204	212
Mavro Imaging		721	Office Supplies	A&G	Customer Count	31,005	11.14%	3,454	65.532371%	2,263	2,354
Opex		721	Office Supplies	A&G	Meters	52,652	13.01%	6,850	65.532371%	4,489	4,669
Oracle	Exadata Storage	721	Office Supplies	A&G	Customer Count	105,500	11.14%	11,753	65.532371%	7,702	8,010
Oracle	Exadata Software Maintenance	721	Office Supplies	A&G	Customer Count	55,350	11.14%	6,166	65.532371%	4,041	4,203
Oracle	Exadata Software Maintenance	721	Office Supplies	A&G	Customer Count	36,900	11.14%	4,111	65.532371%	2,694	2,802
Oracle	Exadata Hardware Maintenance	721	Office Supplies	A&G	Customer Count	38,600	11.14%	4,300	65.532371%	2,818	2,931
Oracle	Exadata Hardware Maintenance	721	Office Supplies	A&G	Customer Count	37,800	11.14%	4,211	65.532371%	2,760	2,870
Oracle	Exadata Hardware Maintenance	721	Office Supplies	A&G	Customer Count	300	11.14%	33	65.532371%	22	23
Oracle	Exadata Software and Hardware Maintenance	721	Office Supplies	A&G	Customer Count	76,600	11.14%	8,533	65.532371%	5,592	5,816
Oracle	Database Edition	721	Office Supplies	A&G	Customer Count	46,500	11.14%	5,180	65.532371%	3,395	3,531
Oracle Corp.		721	Office Supplies	A&G	Meters	130,000	13.01%	16,913	65.532371%	11,083	11,526
Oracle	Exadata Memory Upgrade - Bismarck	721	Office Supplies	A&G	Customer Count	2,095	11.14%	233	65.532371%	153	159
Oracle	Exadata Memory Upgrade - Fargo	721	Office Supplies	A&G	Customer Count	2,095	11.14%	233	65.532371%	153	159
Oracle	SCADA	721	Office Supplies	A&G	Customer Count	1,654	11.14%	184	65.532371%	121	126
Utilities International Inc.		721	Office Supplies	A&G	Meters	25,000	13.01%	3,253	65.532371%	2,132	2,217
2Ring		721	Office Supplies	A&G	Customer Count	30,000	11.14%	3,342	65.532371%	2,190	2,278
NICE inContact		721	Office Supplies	A&G	Meters	88,236	13.01%	11,480	65.532371%	7,523	7,824
Codebox	Compliance Software for Substation	721	Station Expenses	Transmission	MDU-Electric Only	7,265	100.00%	7,265	68.855095%	5,002	5,202
Delta-X Research		721	Maint. Of Station Equip.	Transmission	MDU-Electric Only	82,765	100.00%	82,765	68.855095%	56,988	59,268
Earth Point		721	Office Supplies	A&G	MDU-Electric Only	213	100.00%	213	65.532371%	140	146
Edigin		721	Office Supplies	A&G	Customer Count-MDU Only	384	32.80%	126	65.532371%	83	86
Energy Exemplar		721	System Control and Load Disp.	Production	MDU-Electric Only	54,700	100.00%	54,700	65.532371%	35,846	37,280
Environmental Systems Corp.		721	Misc.Other Power Gen. Exp.	Production	MDU-Electric Only	34,825	100.00%	34,825	65.532371%	22,822	23,735
EPM Power and Water (Emerson Process Management)		721	Office Supplies	A&G	MDU-Electric Only	60,277	100.00%	60,277	65.532371%	39,501	41,081
FME US, LLC	Server Edition	721	Office Supplies	A&G	MDU-Electric Only	4,900	100.00%	4,900	65.532371%	3,211	3,339
Nexus Controls (GE Energy Control Solutions before)		721	System Control and Load Disp.	Production	MDU-Electric Only	28,725	100.00%	28,725	65.532371%	18,824	19,577
Helpsystems (Systems Operation Suite before)		721	Office Supplies	A&G	MDU-Electric Only	1,050	100.00%	1,050	65.532371%	688	716
Itron		721	System Control and Load Disp.	Production	MDU-Electric Only	10,750	100.00%	10,750	65.532371%	7,045	7,327
MARTECH Media		721	Misc. Other Power Gen. Exp.	Production	MDU-Electric Only	4,200	100.00%	4,200	65.532371%	2,752	2,862
Navigant Software - Reseller Guidehouse	MicroGADs	721	Office Supplies	Production	MDU-Electric Only	2,500	100.00%	2,500	65.532371%	1,638	1,704
Ng Planning		721	System Control and Load Disp.	Production	MDU-Electric Only	11,500	100.00%	11,500	65.532371%	7,536	7,837
Open Systems		721	Operation Supervison and Eng.	Transmission	MDU-Electric Only	3,800	100.00%	3,800	68.855095%	2,616	2,721
Open Systems		721	Operation Supervison and Eng.	Transmission	MDU-Electric Only	62,481	100.00%	62,481	68.855095%	43,021	44,742
Powercosts		721	Office Supplies	A&G	MDU-Electric Only	85,000	100.00%	85,000	65.532371%	55,703	57,931
Quality Training		721	Office Supplies	Production	MDU-Electric Only	7,015	100.00%	7,015	65.532371%	4,597	4,781
Sas Institute		721	Office Supplies	A&G	MDU-Electric Only	24,942	100.00%	24,942	65.532371%	16,345	16,999
Siemens Industry (PARTS) (PSSE)		721	Operation Supervison and Eng.	Transmission	MDU-Electric Only	16,500	100.00%	16,500	68.855095%	11,361	11,815
LocusView		721	Office Supplies	A&G	Meters	6,000	13.01%	781	65.532371%	512	532
Techsmith Vendor - Reseller Insight	Video/Editing/Screen Shot Tool	721	Office Supplies	A&G	Employee Count	2,500	28.40%	710	65.532371%	465	484
Power World (OPS-X)	Training	721	Office Supplies	A&G	MDU-Electric Only	16,800	100.00%	16,800	65.532371%	11,009	11,449
Workshare Compare Software - Reseller Litera		721	Office Supplies	A&G	Meters	761	13.01%	99	65.532371%	65	68
Netrix (Solstice/Mersive)		721	Office Supplies	A&G	Meters	7,500	13.01%	976	65.532371%	640	666
LastPass (LogMein)		721	Office Supplies	A&G	Employee Count	13,177	28.40%	3,742	65.532371%	2,452	2,550
Vendor PowerTech	DSA Tools	721	System Control and Load Disp.	Production	MDU-Electric Only	9,450	100.00%	9,450	65.532371%	6,193	6,441
F5 Software - Reseller Marco		721	Office Supplies	A&G	Customer Count	4,000	11.14%	446	65.532371%	292	304
Palo Alto Software - Reseller Marco/Insight		721	Office Supplies	A&G	Customer Count	28,350	11.14%	3,158	65.532371%	2,070	2,153
Mobile Iron Software - Reseller Insight		721	Office Supplies	A&G	Employee Count	13,360	28.40%	3,794	65.532371%	2,486	2,585
Insight	Ivanti	721	Office Supplies	A&G	Employee Count	70,100	28.40%	19,908	65.532371%	13,046	13,568
Insight	Red Hat	721	Office Supplies	A&G	Meters	6,000	13.01%	781	65.532371%	512	532
Adobe Software - Reseller Insight	Acrobat	721	Office Supplies	A&G	Employee Count	53,000	28.40%	15,052	65.532371%	9,864	10,259
Insight	VMWare	721	Office Supplies	A&G	Customer Count	122,700	11.14%	13,669	65.532371%	8,958	9,316
CheckPoint Software - Reseller Marco		721	Office Supplies	A&G	MDU-Electric Only	103,000	100.00%	103,000	65.532371%	67,498	70,198
Spatial Business Systems (SBS)		721	Operation Supervison and Eng.	Transmission	MDU-Electric Only	5,000	100.00%	5,000	68.855095%	3,443	3,581
Abohe Creative Cloud Software - Reseller Insight		721	Office Supplies	A&G	Employee Count	5,500	28.40%	1,562	65.532371%	1,024	1,065
ClearingHouse Software - Reseller Information Requirements	Records Retention	721	Office Supplies	A&G	Capitalization	1,600	32.09%	513	65.532371%	336	349
SmartNet	Hardware Maintenance	721	Office Supplies	A&G	Employee Count	20,000	28.40%	5,680	65.532371%	3,722	3,871
SmartNet	Cisco Voice Flex	721	Office Supplies	A&G	Customer Count	50,400	11.14%	5,615	65.532371%	3,680	3,827
Duo Software - Reseller Marco	Log in Security	721	Office Supplies	A&G	Employee Count	36,398	28.40%	10,337	65.532371%	6,774	7,045
						<u>\$7,657,032</u>		<u>\$2,130,750</u>		<u>\$1,402,001</u>	<u>1,458,087</u>

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
PROJECTED 2022-2023
WORKPAPER

2022 New Software											
Software	Description	Responsibility	Account Description	Function	Allocation	Total Company Expense	Electric MDU Percentage	Electric MDU Expense	Electric North Dakota Percentage	Electric North Dakota Expense	Electric North Dakota Expense
Zonar	Zonar	964	Office Supplies	A&G	Employee Count	\$98,300	28.40%	\$27,917	65.532371%	\$18,295	\$19,027
ESRI (Environmental Systems Research Inst.) Software (Maximo)	GIS	951	Office Supplies	A&G	Meters	15,000	13.01%	1,952	65.532371%	1,279	1,330
2Ring	0	721	Office Supplies	A&G	Customer Count	30,000	11.14%	3,342	65.532371%	2,190	2,278
LocusView	0	721	Office Supplies	A&G	Meters	6,000	13.01%	781	65.532371%	512	532
Duo Software - Reseller Marco	Log in Security	721	Office Supplies	A&G	Employee Count	36,398	28.40%	10,337	65.532371%	6,774	7,045
						<u>\$185,698</u>		<u>\$44,329</u>		<u>\$29,050</u>	<u>\$30,212</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
SOFTWARE MAINTENANCE
FACTORS
WORKPAPER**

MDU Electric Factors		
Factor	Description	2022
	Capitalization	32.09%
	Customer Count	11.14%
	Customer Count-MDU Only	32.80%
	Employee Count	28.40%
	Meters	13.01%
	Workiva	25.00%

North Dakota Electric Factors		
Factor	Description	2022
17	Electric Transmission Plant	68.855095%
26	O&M Excluding Fuel, Purchased Power, and A&G	65.532371%
85	Total Company Electric Customer Count	64.873042%
118	Electric Distribution Plant	65.171411%

2023 Annual Renewal Increase	4.00%

**MONTANA-DAKOTA UTILITIES CO.
COVID EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
PER BOOKS 2016-2021**

	2016	2017	2018	2019	2020	2021	2016-2019 Avg
External Auditing	\$144,952	\$125,478	\$139,381	\$147,955	\$129,544	\$130,267	\$139,442
Collection Agency Fees	54,676	50,900	61,921	48,563	40,094	37,263	54,015
Commercial Air Service	37,713	47,622	48,758	62,731	7,668	7,139	49,206
Corporate Aircraft	18,359	18,482	26,102	18,838	6,306	6,161	20,445
Personal Vehicle Use	7,717	6,591	7,407	7,009	3,162	1,377	7,181
Meals	81,558	89,742	95,702	115,244	48,019	47,644	95,562
Other Reimbursable Exp	126,557	139,935	131,026	154,510	45,692	47,935	138,007
Office Supplies	357,598	531,577	361,257	388,945	360,433	342,639	409,844
Safety Trng Materials & Exp	140,663	137,477	117,213	138,767	98,855	94,523	133,530
Total 1/	\$969,793	\$1,147,804	\$988,767	\$1,082,562	\$739,773	\$714,948	\$1,047,232
Per Books 2021							714,948
Normalizing Adjustment							\$332,284

	2016	2017	2018	2019	2020	2016-2019 Avg
Production	\$191,615	\$192,672	\$151,348	\$166,724	\$92,465	\$175,590
Transmission	59,321	48,752	53,923	67,849	29,076	57,461
Distribution	73,611	73,288	72,643	99,316	33,815	79,715
Customer Accounts	92,411	95,159	107,004	98,239	72,473	98,203
Customer Service	2,159	2,241	2,067	2,114	1,095	2,145
Sales	507	1,155	652	730	160	761
A&G	550,169	734,537	601,130	647,590	510,689	633,357
Total 1/	\$969,793	\$1,147,804	\$988,767	\$1,082,562	\$739,773	\$1,047,232

1/ Excludes FERC Account 928.

**MONTANA-DAKOTA UTILITIES CO.
AMORTIZATION OF GENERATION FACILITY DECOMMISSIONING EXPENSE
ELECTRIC UTILITY - NORTH DAKOTA
TWELVE MONTHS ENDED DECEMBER 31, 2021**

Facility	Decommissioning Cost Total Electric 1/	Estimated Remaining Life	Annual Amortization	Projected North Dakota 2/
Big Stone Plant	\$4,015,733	24	\$167,322	\$118,814
Coyote	6,534,810	19	343,937	244,226
Glendive I 3/	1,042,052	11	94,732	67,268
Glendive II 3/	2,546,491	24	106,104	75,343
Miles City	1,328,819	11	120,802	85,780
Heskett III	831,393	35	23,754	16,867
Lewis & Clark II (RICE)	676,299	23	29,404	20,879
Glen Ullin Station #6	79,030	12	6,586	4,677
Heskett IV	831,393	43	19,335	13,730
Total	<u>\$17,886,020</u>		<u>\$911,976</u>	<u>\$647,584</u>

1/ Based on decommissioning studies performed by Sargent & Lundy (Montana-Dakota Utilities Co. facilities) and Rachel Contracting (joint owned facilities).

2/ Allocated based on the 12-Month Integrated System Peak Demand Factor (Factor No. 15).

3/ Study was conducted with one cost for both units. Costs allocated on account 344 plant in service at 12/31/21.

Probable Retirement Date (2021 Depreciation Study)

Generating Unit	Retire Date	Remaining From 2022
Big Stone Plant	2046	24
Coyote	2041	19
Wygen Unit III	2060	38
Glendive Unit I	2033	11
Glendive Unit II	2046	24
Miles City	2033	11
Heskett Unit III	2057	35
Lewis & Clark Unit II - RICE	2045	23
Glen Ullin Station #6	2034	12
Heskett Unit IV	2066	43

**MONTANA-DAKOTA UTILITIES CO.
GENERATION TAXES - MONTANA WET & EEL
WORK PAPER**

	Per Books 2021	Adjusted 2021	Projected	
			2022	2023
<u>Montana Wholesale Energy Tax (WET)</u>				
Kwh delivered in Montana			758,701,000	779,362,000
Tax Rate			0.00015	0.00015
Total WET Tax	<u>\$112,071</u>	<u>\$112,071</u>	<u>\$113,805</u>	<u>\$116,904</u>
<u>Generation Tax (EEL) - Lewis & Clark Station</u>				
Total Generation - net of station use (per Plexos) Tax			0	0
Total EEL Tax	<u>34,117</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Montana generation taxes	<u>\$146,188</u>	<u>\$112,071</u>	<u>\$113,805</u>	<u>\$116,904</u>
North Dakota (Allocated on Factor 16)	<u>\$102,195</u>	<u>\$78,345</u>	<u>\$79,767</u>	<u>\$81,939</u>

**MONTANA-DAKOTA UTILITIES CO.
GENERATION TAXES - ND COAL CONVERSION TAX
WORK PAPER**

	Per Books 2021	Adjusted 2021	Projected	
			2022	2023
<u>Fixed Tax</u>				
Installed Capacity (414,588 @ 25%)			103,647	103,647
Multiplier			60%	60%
Capacity Subject to Tax			62,188	62,188
Hours in production			8,760	8,760
KWH Subject to Tax			544,766,880	544,766,880
Tax Rate			0.00065	0.00065
Total Fixed Tax			\$354,098	\$354,098
Exemption			85%	85%
Tax - capacity (non-exempt)			\$300,983	\$300,983
Coal Conversion Tax (remaining fixed)			\$53,115	\$53,115
Lignite Research Tax (5% of total)			15,049	15,049
Total Capacity Tax			\$68,164	\$68,164
<u>Variable Tax</u>				
Generation - (MDU only)			348,000,000 1/	622,875,000 1/
Rate per kwh			0.00025	0.00025
Total Variable Tax			\$87,000	\$155,719
Lignite Research Tax (5%)			\$4,350	\$7,786
Total Coal Conversion Tax	\$526,225		\$72,514	\$75,950
Allocate to North Dakota 2/	\$367,864	\$201,950	\$50,826	\$53,234

1/ 2022 is scheduled major outage for Coyote. 2023 generation levels return to normal.

2/ Allocated on Factor 16: Integrated System Kwh sales.

**Projected Income Taxes
Workpaper**

	Projected	
	2022	2023
Plant Related Excess Deferred - ARAM		
Total	(\$2,040,936)	(\$1,752,204)
Lewis & Clark Heskett	0	0
Renewable Rider	(170,992)	0
Wind Decommissioning	822,174	825,264
	29	29
Net	(\$1,389,725)	(\$926,911)

	Projected	
	2022	2023
AFUDC Equity Add Back		
Total - Per Books 2021	(\$538,193)	(\$538,193)
Renewable Rider	268,070	96,737
Transmission Rider	0	0
Net	(\$270,123)	(\$441,456)

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Embedded Class Cost of Service Study**

Plant in Service

	Projected 2023
Electric Plant in Service	
Production Plant	372,523,090
Wind Production Plant	0
Total Production Plant	372,523,090
Transmission Plant	235,301,764
Distribution Plant	
Land	2,787,448
Rights of Way	219,917
Station Equipment	72,632,242
Poles, Towers, & Fixtures	25,588,152
Overhead Conductors & Device	22,973,047
Underground Conduit	197,037
Underground Conductor & Device	105,336,001
Line Transformers	55,121,337
Services	27,193,804
Meters	12,509,383
Installation on Customer Premise	1,609,949
Street Light & Signal System	4,950,417
Distribution Plant	331,118,734
General Plant	28,003,243
Intangible Plant - General	10,469,858
Common Plant	43,127,970
Intangible Plant - Common	13,459,682
Intangible Plant - Common - CC&B & PCAD	7,872,688
Acquisition Adjustment	7,381,702
Total Electric Plant	\$1,049,258,731

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
CLASS COST OF SERVICE STUDY
2023 PROJECTED PLANT
DISTRIBUTION PLANT ALLOCATION**

	Total	Allocation
Land	\$2,787,448	Factor No. 4
Land Rights	219,917	Factor No. 4
Station Equipment	72,632,242	Factor No. 4
Poles, OH & UG Conductors & Conduit	154,094,237	
83.40% Customer Related	128,514,594	Factor No. 7
16.60% Demand Related	25,579,643	Factor No. 4
Line Transformers	55,121,337	
64.14% Customer Related	35,354,826	Factor No. 11
35.86% Demand Related	19,766,511	Factor No. 5
Services	27,193,804	Factor No. 10
Meters	12,509,383	Factor No. 8
Installation on Customer Premise	1,609,949	Direct to Private Lighting Direct
Street Light & Signal System	4,950,417	Direct to Municipal Owned St. Lighting Direct
Total Distribution Plant	\$331,118,734	

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Embedded Class Cost of Service Study**

Accumulated Reserve for Depreciation

	Project 2023
Accumulated Reserve for Depreciation	
Production Plant	139,506,807
Wind Production Plant	0
Total Production Plant	139,506,807
Transmission Plant	61,384,598
Distribution Plant	
Rights of Way	143,560
Station Equipment	16,362,608
Poles, Towers, & Fixtures	11,960,230
Overhead Conductors & Device	9,833,865
Underground Conduit	107,099
Underground Conductor & Device	24,183,948
Line Transformers	20,292,634
Services	15,950,026
Meters	4,667,223
Installation on Customer Premise	(339,370)
Street Light & Signal System	424,111
Distribution Plant	103,585,934
General Plant	7,832,440
Intangible Plant - General	5,477,976
Common Plant	13,672,569
Intangible Plant - Common	8,711,542
Intangible Plant - Common - CC&B & PCAD	5,166,437
Acquisition Adjustment	7,381,181
Amort. Power Plant Decommissioning	309,542
Total Accumulated Reserve	\$353,029,026

North Dakota Distribution Percentages

Updated: 2/15/2022

2022 Plant Account	Minimum System	Normal System	Customer Component
Pole (Acct 364) ~	\$19,473	\$27,464	70.9%
Overhead Conductor (Acct 365) *	\$14,875	\$16,103	92.4%
Total	\$34,348	\$43,567	78.8%
URD Conductor (Acct. 367) **	\$70,179	\$81,726	85.9%
Weighted Average	\$104,527	\$125,293	83.4%

Notes:

~ Distribution System values are obtained from the spreadsheet:

ND_URD_OH_MIN_Normal_2022.xlsx OH_MIN; OH_Norm; URD_MIN; URD_Norm tabs

* The primary voltage percentages equal the secondary voltage percentages for all three plant accounts.

** Per Al Jirges (6/1/06) The same Customer/Demand split should be used for Account 366 - Underground Conduit.
Customer Component - as a % of Entire Investment

Conductor

	Linear Feet	Total Conductor Feet
Underground Primary	4,858,909	9,467,274
Overhead Primary	6,926,398	15,799,206
Overhead Neutral	6,099,687	6,099,687
Primary Total	17,884,993	31,366,167
Underground Secondary	957,736	989,589
Overhead Secondary	2,858,377	4,394,505
Secondary Total	3,816,113	5,384,094
Percentage of Primary & Secondary Conductors		
Primary	82.42%	85.35%
Secondary	17.58%	14.65%

Notes:

Linear Footage considers 3-phase lines the same footage as 1-phase lines of the same span length.

Total Primary Conductor Footage multiplies the linear footage by the number of phases and includes the neutral
Overhead Secondary includes the neutral.

Per Rebecca Naslund (1/30/09) Secondary footages do not include services or footage to yard lights. They do
include secondary footage for streetlights.

PRIMARY CONDUCTORS									
Year End Recap Data (From GIS Dept)			GIS Data For Rate Case						
ND	Primary + Neu OHD (Conductor Miles)	Primary URD (Conductor Miles)	Primary OHD (Conductor Miles)	Neutral OHD (Conductor Miles)	OH Secondary (Conductor Miles)	OH SERVICE (Conductor Miles)	Primary URD (Conductor Miles)	Circuit Count **	Custo mer Count **
NORTH DAKOTA	5126	1835.9	2,992	1,155	832	417	1,793	357	1E+05
Difference	-271	43							

Notes:

Recap data is pulled from the previous year and slight differences should exist

OHD conductor miles on the Recap data pulls in the neutral footage plus the OH Service footage.

GIS query data pulled 2/15/2022

** Data is from the file: Customer Count_22_1_12 Located on Electric Distribution Operation SharePoint_OPERATIONS_Documents_Customer Count

TRANSFORMERS						
	GIS Data For Rate Case		Year End Recap		Difference	
	Count	KVA	Count	KVA	Count	KVA
Padmount	9,246	845,270	9,293	803,570	-47	41,700
Pole Type	12,988	404,195	12,869	399,180	119	5,016
Totals	22,234	1,249,465	22,162	1,202,749	72	46,716

Notes:

Transformer GIS data pulled 1/27/2021

Recap data from 12/30/2020 (Recap data includes the sum of the data from City Limits and Farm Line totals)

ND	MDU Poles (All Poles)
S_Rate Case NORTH DAKOTA	47,219
Recap	46,836
Difference	-383

GIS Primary and Secondary Conduit Footage (Feet)	
TOTAL	606,937

Notes:

The total is all of the conduit in the Montana that is captured in GIS. This includes
Primary Underground, Secondary Underground, Street Light Underground, etc.

Pole Percentages	
Primary Poles	85.89%
Secondary Poles	14.11%

Notes:

Poles associated with Transmission voltages are not counted in the primary poles percentages

Streetlight and yard light poles are not counted in the secondary poles percentages. Transmission underbuild and
service poles are not counted for poles.

TRANSFORMERS & CAPACITORS - INSTALLATION COSTS FOR 2022

(Estimated ES & GA Rate = 18.86%)

Cost Last Update: 1/12/2022

Last Update: 2/11/2022

PUN	Transformers - Acct. 368 Description	Estimated Purchase Cost	Estimated Installed Cost	Total Cost	Total Cost with ES & GA	KVA Size	Counts in ND	Replacement Cost	0-Intercept Values
0030	3Ø PADMOUNT TRANSFORMER 30KVA		\$660	\$660	\$784	30	12	\$9,408.00	3-Phase PAD Xfmr Zero Intercept
0045	3Ø PADMOUNT TRANSFORMER 45KVA	\$4,630	\$660	\$5,290	\$6,288	45	143	\$899,184.00	\$7,726
0075	3Ø PADMOUNT TRANSFORMER 75KVA	\$4,990	\$660	\$5,650	\$6,716	75	404	\$2,713,264.00	0-Intercept Total Replacement Cost
0112	3Ø PADMOUNT TRANSFORMER 112.5KVA	\$5,790	\$660	\$6,450	\$7,666	112.5	271	\$2,077,486.00	\$16,857,799.29
0150	3Ø PADMOUNT TRANSFORMER 150KVA	\$6,370	\$660	\$7,030	\$8,356	150	446	\$3,726,776.00	For Three Phase xfmr Zero Intercept use 45, 75, 112.5, 225, 300, 500, 750, 1000, 1500k, and 2000 VA sizes
0225	3Ø PADMOUNT TRANSFORMER 225KVA	\$7,620	\$910	\$8,530	\$10,139	225	247	\$2,504,333.00	
0300	3Ø PADMOUNT TRANSFORMER 300KVA	\$8,530	\$910	\$9,440	\$11,220	300	289	\$3,242,580.00	
0500	3Ø PADMOUNT TRANSFORMER 500KVA	\$11,590	\$1,625	\$13,215	\$15,707	500	211	\$3,314,177.00	
0750	3Ø PADMOUNT TRANSFORMER 750KVA	\$14,870	\$1,725	\$16,595	\$19,725	750	74	\$1,459,650.00	
1000	3Ø PADMOUNT TRANSFORMER 1000KVA	\$17,300	\$1,825	\$19,125	\$22,732	1000	44	\$1,000,208.00	0-Intercept/Real Replacement Cost Ratio
1500	3Ø PADMOUNT TRANSFORMER 1500KVA	\$22,550	\$2,025	\$24,575	\$29,210	1500	22	\$642,620.00	
2000	3Ø PADMOUNT TRANSFORMER 2000KVA	\$24,330	\$2,325	\$26,655	\$31,682	2000	13	\$411,866.00	
2500	3Ø PADMOUNT TRANSFORMER 2500KVA*	\$26,110	\$2,425	\$28,535	\$33,917	2500	6	\$203,500.21	0.76
TOTAL 3Ø PADMOUNT TRANSFORMER IN ND								2182	
TOTAL REPLACEMENT COST - 3Ø PADMOUNT TRANSFORMER IN ND								\$22,195,644.21	

* Estimated Purchase Cost of the 2500 was estimated

PUN	Transformers - Acct. 368 Description	Estimated Purchase Cost	Estimated Installed Cost	Total Cost	Total Cost with ES & GA	KVA Size	Counts in ND	Replacement Cost	0-Intercept Values
4010	1Ø PADMOUNT TRANSFORMER 10KVA	\$0	\$530	\$530	\$630	10	142	\$89,460	1-Phase PAD Xfmr Zero Intercept
4015	1Ø PADMOUNT TRANSFORMER 15KVA	\$3,160	\$530	\$3,690	\$4,386	15	509	\$2,232,474	\$3,074
4025	1Ø PADMOUNT TRANSFORMER 25KVA	\$3,520	\$530	\$4,050	\$4,814	25	3291	\$15,842,874.00	0-Intercept Total Replacement Cost
4050	1Ø PADMOUNT TRANSFORMER 50KVA	\$4,620	\$535	\$5,155	\$6,127	50	2464	\$15,096,928.00	\$19,599,095.98
4075	1Ø PADMOUNT TRANSFORMER 75KVA	\$4,900	\$545	\$5,445	\$6,472	75	394	\$2,549,968.00	For Single Phase xfmr use 15, 25, 50, 75 and 100 KVA sizes
4100	1Ø PADMOUNT TRANSFORMER 100KVA	\$6,950	\$550	\$7,500	\$8,915	100	185	\$1,649,275.00	
4167	1Ø PADMOUNT TRANSFORMER 167KVA	\$6,740	\$560	\$7,300	\$8,677	167	42	\$364,434.00	
									0-Intercept/Real Replacement Cost Ratio
									0.55
TOTAL 1Ø PADMOUNT TRANSFORMER IN ND								6376	
TOTAL REPLACEMENT COST - 1Ø PADMOUNT TRANSFORMER IN ND								\$35,503,479.00	

PUN	Transformers - Acct. 368 Description	Estimated Purchase Cost	Estimated Installed Cost	Total Cost	Total Cost with ES & GA	KVA Size	Counts in ND	Replacement Cost	0-Intercept Values
5003	LINE TRANSFORMER 3KVA			\$0	\$0				1-Phase Line Xfmr Zero Intercept
5005	LINE TRANSFORMER 5KVA			\$0	\$0				\$2,205
5007	LINE TRANSFORMER 7.5KVA			\$0	\$0				0-Intercept Total Replacement Cost
5010	LINE TRANSFORMER 10KVA	\$1,190	\$1,045	\$2,235	\$2,657	10	1913	\$5,082,841	\$28,544,926.60
5015	LINE TRANSFORMER 15KVA	\$1,340	\$1,045	\$2,385	\$2,835	15	2368	\$6,713,280	
5025	LINE TRANSFORMER 25KVA	\$1,620	\$1,045	\$2,665	\$3,168	25	4610	\$14,604,480	
5050	LINE TRANSFORMER 50KVA	\$2,360	\$1,065	\$3,425	\$4,071	50	3528	\$14,362,488	For Single Phase xfmrs use 10, 15, 25, 50, 75, and 100, KVA sizes
5075	LINE TRANSFORMER 75KVA	\$2,580	\$1,065	\$3,645	\$4,332	75	302	\$1,308,264	
5100	LINE TRANSFORMER 100KVA	\$4,500	\$1,085	\$5,585	\$6,638	100	172	\$1,141,736	
5167	LINE TRANSFORMER 167KVA	\$6,010	\$1,085	\$7,095	\$8,433	167	51	\$430,083	
5250	LINE TRANSFORMER 250KVA		\$1,150		\$0				0-Intercept/Real Replacemtn Cost Ratio
5333	LINE TRANSFORMER 333KVA		\$1,310		\$0				0.65
5500	LINE TRANSFORMER 500KVA		\$1,310		\$0				
5833	LINE TRANSFORMER 833KVA		\$1,310		\$0				
TOTAL 1Ø LINE TRANSFORMER IN ND							12944		
TOTAL REPLACEMENT COST - 1Ø LINE TRANSFORMER IN ND								\$43,643,172.00	

PUN	Capacitors - Acct. 368 Description	Estimated Purchase Cost	Estimated Installed Cost	Total Cost	Total Cost with ES & GA
7025	SINGLE PHASE CAPACITOR 25 KVAR	\$519	\$710	\$1,229	\$1,460
7050	SINGLE PHASE CAPACITOR 50 KVAR	\$1,037	\$710	\$1,747	\$2,077
7100	SINGLE PHASE CAPACITOR 100 KVAR	\$2,074	\$710	\$2,784	\$3,309
8300	THREE PHASE CAPACITOR 300 KVAR	\$6,223	\$1,910	\$8,133	\$9,667

Notes:

Capacitors quoted June 9, 2008 (BSE). Estimate yearly increase of 3% for inflation.

Data provided is from the Xfmr_Capacitor_Costs.xlsm spreadsheet "Installation" tab
Located on the Electric Operation SharePoint Site

SUMMARY		TRANSFORMER VALUATION			
		3Ø PADMOUNT TRANSFORMER	1Ø PADMOUNT TRANSFORMER	LINE TRANSFOR MER	TOTAL
Perform ZI regressions on each group's transformers to be purchased in future.	ZI-Repl. Cost	\$16,857,799	\$19,599,096	\$28,544,927	\$65,001,822
Multiply intercept by replacement value of that group's units.	Total	\$22,195,644.21	\$35,503,479	\$43,643,172	\$101,342,295
Add customer-related values and total replacement costs across groups.	Cust share	75.95%	55.20%	65.41%	64.14%
Divide customer-related cost by total replacement cost of all units.					

-Distribution Tab ~Line Transformers
-Customer related %

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY
NORTH DAKOTA
Embedded Class Cost of Service Study
Summary Sheet-Projected 2023
(000's)**

	Total North Dakota	Total Residential	Total Small General	Total Large General	Total Lighting	Total Municipal Pumping
Operating Revenues						
Sales Revenues	172,902,977	69,769,528	10,414,218	88,497,679	1,343,203	2,878,349
Other Revenues	3,898,165	1,494,610	195,470	870,610	1,304,222	33,253
Total Operating Revenues	176,801,142	71,264,138	10,609,688	89,368,289	2,647,425	2,911,602
Operating Expense						
Cost of Fuel and Purchased Power	45,814,244	16,861,511	2,091,922	25,521,343	357,627	981,841
Other O&M Expense	55,764,922	28,521,799	4,073,441	21,623,066	756,002	790,614
Total O&M Expense	101,579,166	45,383,310	6,165,363	47,144,409	1,113,629	1,772,455
Depreciation Expense	30,209,497	15,281,946	2,182,451	11,899,970	405,565	439,565
Taxes Other Than Income Taxes	7,356,417	3,560,482	495,176	3,104,978	83,548	112,233
Current Income Taxes - Fed. & State	4,922,147	(343,497)	142,773	4,852,961	191,682	78,228
Total Operating Expenses	144,067,227	63,882,241	8,985,763	67,002,318	1,794,424	2,402,481
Projected Operating Income	32,733,915	7,381,897	1,623,925	22,365,971	853,001	509,121
Rate Base	612,177,981	295,459,735	41,350,788	256,671,297	9,354,728	9,341,433
Projected Rate of Return	5.347%	2.498%	3.927%	8.714%	9.118%	5.450%

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
EMBEDDED CLASS COST OF SERVICE STUDY
ALLOCATION FACTORS
PROJECTED 2023

		Factor No. 1	Factor No. 2	Factor No. 3	Factor No. 4	Factor No. 5	Factor No. 6	Factor No. 7	Factor No. 8	Factor No. 10	Factor No. 11	Factor No. 12
Rate	Customer Class	Energy @ Generation Level	12 CP @ Gen	Demand/ Energy	NCP KW @ Gen	NCP KW @ Supply Secondary	Total Customers	Total Customers Less Rate 52	Weighted Customer Meters	Weighted Customer Services	Weighted Customer Transformers	Weighted Customer Accounts
10	Residential Electric Service	824,717,852	155,515	696,910,690	226,790	200,414	78,726	78,726	80,009	80,009	78,726	78,726
20	Small General Electric Service	97,408,135	17,841	82,312,640	31,138	27,516	10,179	10,179	17,227	9,906	29,010	12,011
25	Irrigation Power Service	1,703,995	251	1,439,915	2,816	2,489	33	33	137	55	562	72
30	Large General Service - Primary	242,389,827	36,975	204,825,135	78,633	0	36	36	2,552	0	0	104
	Large General Service - Secondary	780,794,061	125,913	659,790,498	155,674	137,569	4,123	4,123	28,395	8,634	35,087	9,483
	Space Heating - Billed @ Rate 30		0	0	0	0						
	Total Large General Service - Secondary	780,794,061	125,913	659,790,498	155,674	137,569	4,123	4,123	28,395	8,634	35,087	9,483
	Total Large General Service	1,023,183,888	162,888	864,615,633	234,307	137,569	4,159	4,159	30,947	8,634	35,087	9,587
	Contract - Tesoro	104,732,635	13,154	88,501,115	16,959	0	1	1	176	0	0	4
	Contract - Sabin	28,813,547	4,325	24,348,117	9,197	0	1	1	71	0	0	3
	Contracts - Primary	133,546,182	17,478	112,849,232	26,156	0	2	2	247	0	0	7
31	TOD Large General Service Primary	2,652,027	405	2,241,026	432	0	1	1	72	0	0	6
31	TOD Large General Service Secondary	14,965,932	2,413	12,646,587	2,984	2,637	47	47	311	113	420	199
32	Space Heating - Secondary 1/	61,823,553	7,707	52,242,097	21,088	18,635	33	33	3,053	0	0	2,412
	TOTAL LARGE GENERAL	1,236,171,583	190,891	1,044,594,575	284,966	158,841	4,242	4,242	34,630	8,747	35,507	12,211
40	Small Municipal Electric Service	3,533,536	592	2,985,929	1,798	1,589	233	233	508	274	1,233	270
41	Municipal Lighting - Primary	1,257,043	71	1,062,212	393	0	43	43	41	0	0	43
	Municipal Lighting - Secondary	13,108,310	663	11,076,625	3,420	3,022	488	488	478	775	1,527	622
	TOTAL MUNICIPAL LIGHTING	14,365,353	734	12,138,837	3,813	3,022	531	531	519	775	1,527	665
48	Municipal Pumping - Primary	25,172,429	3,502	21,271,245	7,130	0	3	3	456	0	0	11
	Municipal Pumping - Secondary	24,140,717	3,148	20,399,394	4,579	4,047	268	268	1,361	515	2,752	477
	TOTAL MUNICIPAL PUMPING	49,313,145	6,651	41,670,639	11,710	4,047	271	271	1,817	515	2,752	488
52	Outdoor Lighting	4,312,455	354	3,644,079	1,969	1,725	186	0	502	271	741	2,266
38	IT Demand Response - 381						3	3	214	0	0	10
	IT Demand Response - 382						1	1	71	0	0	3
	IT Demand Response - 380						0	0	0	0	0	0
39	Interruptible Power Service						0	0	0	0	0	0
		34,134,080	3,433	28,843,829	11,973	0	4	4	285	0	0	13
	TOTAL NORTH DAKOTA ELECTRIC	2,265,660,133	376,261	1,914,541,133	576,973	399,643	94,405	94,219	135,634	100,552	150,058	106,722

Energy share of Factor No. 3
Demand share of Factor No. 3

0.845
0.155

Facility	Size	ZRCs
Cedar Hills	19.5	3.7
Diamond Willow	30.0	5.1
Thunder Spirit	107.5	15.9
Thunder Spirit II	42.5	6.3
	199.5	31

15.5%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
EMBEDDED CLASS COST OF SERVICE STUDY
WEIGHTED CUSTOMERS
PROJECTED 2023**

Rate	Customer Class	Projected Billing Units 1/	Projected Active Customers	Projected Meter Numbers	Projected Meters 2/ Weight	Customers	Services 3/ Weight	Customers	Transformers 4/ Weight	Customers	Customer Accounts 5/ Weight	Customers
10	- Residential Electric Service	80,169	78,726	80,009	1.00	80,009	1.00	80,009	1.00	78,726	1.00	78,726
20	- Small General Electric Service	10,680	10,179	10,767	1.60	17,227	0.92	9,906	2.85	29,010	1.18	12,011
25	- Irrigation Power Service	49	33	34	4.04	137	1.62	55	17.03	562	2.18	72
40	- Small Municipal Electric Service	271	233	266	1.91	508	1.03	274	5.29	1,233	1.16	270
	Total Small General	11,000	10,445	11,067		17,872		10,235		30,805		12,353
30	- Large General Service - Primary	40	36	41	62.24	2,552	0.00	0	0.00	0	2.88	104
	- Large General Service - Secondary	4,566	4,123	4,617	6.15	28,395	1.87	8,634	8.51	35,087	2.30	9,483
	Total Large General Service	4,606	4,159	4,658		30,947		8,634		35,087		9,587
	- Contracts - Tesoro	1	1	2	88.09	176	0.00	0	0.00	0	4.00	4
	- Contracts - Sabin	1	1	1	71.27	71	0.00	0	0.00	0	3.00	3
	Total Rate 30	4,608	4,161	4,661		31,194		8,634		35,087		9,594
31	- TOD Large General Service Primary	1	1	1	71.66	72	0.00	0	0.00	0	6.00	6
31	- TOD Large General Service Secondary	52	47	52	5.98	311	2.18	113	8.93	420	4.24	199
32	- Space Heating	603	33	607	5.03	3,053	0.00	0	0.00	0	4.00	2,412
38	- IT Demand Response - DSU	3	3	3	71.46	214	0.00	0	0.00	0	3.25	10
	- IT Demand Response - State Capitol	1	1	1	71.46	71	0.00	0	0.00	0	3.25	3
	- IT Demand Response - Matheson	0	0	0	71.46	0	0.00	0	0.00	0	3.25	0
39	- Int. Power Service - American Colloid	0	0	0	71.66	0	0.00	0	0.00	0	3.00	0
	Total Rate 38	4	4	4		285		0		0		13
	Total General	5,268	4,246	5,325		34,915		8,747		35,507		12,224
41	- Municipal Lighting Service - Primary Metered	44	43	43	0.95	41	0.00	0	0.00	0	1.00	43
	- Municipal Lighting Service - Secondary Metered	362	488	503	0.95	478	1.54	775	2.73	1,332	1.00	488
	- Non-Metered	150	0	0	0.00	0	0.00	0	1.30	195	0.89	134
		598	488	503		478		775		1,527		622
	Total Municipal Lighting	642	531	546		519		775		1,527		665
48	- Municipal Pumping - Primary	5	3	6	75.95	456	0.00	0	0.00	0	3.67	11
	- Municipal Pumping - Secondary	303	268	301	4.52	1,361	1.71	515	10.27	2,752	1.78	477
	Total Municipal Pumping	308	271	307		1,817		515		2,752		488
52	- Outdoor Lighting - Primary Metered	13	7	11	14.99	165	0.00	0	0.00	0	1.00	7
	- Outdoor Lighting - Secondary Metered	204	179	204	1.65	337	1.33	271	4.14	741	1.01	181
	- Non-Metered	2,335	0	0	0.00	0	0.00	0	0.00	0	0.89	2,078
		2,539	179	204		337		271		741		2,259
	Total Outdoor Lighting	2,552	186	215		502		271		741		2,266
	TOTAL NORTH DAKOTA ELECTRIC	99,939	94,405	97,469		135,634		100,552		150,058		106,722

1/ Projected billing units derived from number of days billed divided by number of days in month.

2/ Meters calculated using projected meter numbers.

3/ Services calculated using projected meter numbers, except Rates 41 & 52 Non-Metered which is calculated using projected billing units..

4/ Transformers calculated using projected active customers, except Rates 41 & 52 Non-Metered service which is calculated using projected billing units.

5/ Customer Accounts calculated using projected active customers, except Rate 32 & Rates 41 and 52 Non-Metered service which is calculated using projected billing units.

**NORTH DAKOTA SERVICE WEIGHTS
ELECTRIC RATE CASE FILING
SERVICE WEIGHT SUMMARY**

CLASS	RATE	COUNT	SUM OF COSTS	AVG	WEIGHTS
Secondary Rates					
Residential	MDUND 100	71,268	45,182,128.86		
	MDUND 105	2	2,307.42		
	MDUND 106	1	1,153.71		
	MDUND 130	5	3,798.41		
	MDUND 160	4	2,974.24		
		71,280	45,192,362.64	634.01	1.00
Small General	MDUND 200	8,431	4,845,647.42		
	MDUND 205	3	202.68		
	MDUND 260	206	213,747.46		
		8,640	5,059,597.56	585.60	0.92
Irrigation	MDUND 250	23	23,595.43	1,025.89	1.62
Small Municipal	MDUND 400	36	31,064.95		
	MDUND 401	211	130,018.72		
		247	161,083.67	652.16	1.03
Large General - Secondary	MDUND 301	3,785	4,488,917.48		
	MDUND 336	1	1,153.71		
	MDUND 337	2	2,606.34		
	MDUND 339	3	3,361.59		
		3,791	4,496,039.12	1,185.98	1.87
Large General - TOD - Secondary	MDUND 311	60	82,919.80	1,382.00	2.18
Space Heat	MDUND 323	446	397,486.40	891.23	1.41
IT Demand Response	MDUND 380	1	2,471.64		
	MDUND 381	-	-		
		1	2,471.64	2,471.64	3.90
Municipal Lighting - Secondary (metered)	MDUND 412	352	346,952.70		
	MDUND 414	3	145.18		
		355	347,097.88	977.74	1.54
Municipal Pumping - Secondary	MDUND 480	108	88,629.75		
	MDUND 481	169	211,120.31		
		277	299,750.06	1,082.13	1.71
Outdoor Lighting - Secondary (metered)	MDUND 522	152	128,415.39	844.84	1.33
Total:		85,272.00	56,190,819.59		

North Dakota Transformer Weighting by Customer Rate

Statement K
Updated: 2/20/2022
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RATE AND DESCRIPTION	Sample Size	Sample Fraction of Rate	Zero Intercept Cost	Customers Per Transformer	Cost Per Transformer	Weighted Average	Weighting
MDUND100 (Residential Electric Service)							
Single Phase	66975	0.88951	3074	5.88	\$522.98	\$465.20	
Three Phase	8319	0.11049	7726	38.26	\$201.91	\$22.31	
Total	75294	1				\$487.51	1.00
MDUND105 (Residential Electric Service)							
Single Phase	2	1	3074	9.26	\$331.84	\$331.84	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	2	1				\$331.84	1.00
MDUND106 (Residential Electric Rate 10 and 95)							
Single Phase	1	1	3074	4.00	\$768.47	\$768.47	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	1	1				\$768.47	1.00
MDUND130 (Residential Electric Thermal Energy Storage)							
Single Phase	5	1	3074	4.69	\$655.76	\$655.76	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	5	1				\$655.76	1.00
MDUND160 (TOD Residential Electric Service)							
Single Phase	4	1	3074	1.95	\$1,575.37	\$1,575.37	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	4	1				\$1,575.37	1.00

RATE AND DESCRIPTION	Sample Size	Sample Fraction of Rate	Zero Intercept Cost	Customers Per Transformer	Cost Per Transformer	Weighted Average	Weighting
MDUND200 (General Electric Rate Non Demand)							
Single Phase	7923	0.89871	3074	2.30	\$1,334.61	\$1,199.42	
Three Phase	893	0.10129	7726	4.07	\$1,898.13	\$192.27	
Total	8816	1				\$1,391.69	2.85
MDUND205 (General Electric Rate 20 Non Demand Net Billing Rate 95)							
Single Phase	3	1	3074	19.31	\$159.21	\$159.21	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	3	1				\$159.21	0.33
MDUND250 (Irrigation Power Service Rate 25)							
Single Phase	19	0.79167	3074	0.37	\$8,412.74	\$6,660.09	
Three Phase	5	0.20833	7726	0.98	\$7,891.40	\$1,644.04	
Total	24	1				\$8,304.13	17.03
MDUND260 (Optional TOD Small General Electric Service Rate 26)							
Single Phase	211	0.9814	3074	3.23	\$952.35	\$934.63	
Three Phase	4	0.0186	7726	4.53	\$1,705.30	\$31.73	
Total	215	1				\$966.36	1.98

RATE AND DESCRIPTION	Sample Size	Sample Fraction of Rate	Zero Intercept Cost	Customers Per Transformer	Cost Per Transformer	Weighted Average	Weighting
MDUND300(General Primary Service)							
Single Phase	23	0.82143	3074	2,898.00	\$1.06	\$0.87	
Three Phase	5	0.17857	7726	1.00	\$7,725.85	\$1,379.62	
Total	28	1				\$1,380.49	2.83
MDUND301 (General Secondary Service)							
Single Phase	2108	0.53872	3074	0.98	\$3,152.65	\$1,698.39	
Three Phase	1805	0.46128	7726	1.46	\$5,308.34	\$2,448.65	
Total	3913	1				\$4,147.04	8.51
MDUND304 (General Electric Service Rate 30 (Sabin Metal))							
Single Phase	1	1	3074	0.00	\$0.00	\$0.00	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	1	1				\$0.00	0.00

MDUND310 (Optional TOD Primary Electric Service)							
Single Phase	2	1	3074	0.00	\$0.00	\$0.00	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	2	1				\$0.00	0.00
MDUND311 (Optinal TOD Secondary Electric Service)							
Single Phase	42	0.68852	3074	1.08	\$2,836.65	\$1,953.10	
Three Phase	19	0.31148	7726	1.00	\$7,708.90	\$2,401.13	
Total	61	1				\$4,354.24	8.93
MDUND323 (General Space Heat Secondary (Seasonal Meter))							
Single Phase	272	0.6085	3074	1.64	\$1,871.56	\$1,138.85	
Three Phase	175	0.3915	7726	2.13	\$3,630.68	\$1,421.41	
Total	447	1				\$2,560.25	5.25
MDUND336 (General Secondary Rate 30 (Net Billing Rate 95 Single Phase, No IT))							
Single Phase	1	1	3074	1.00	\$3,073.89	\$3,073.89	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	1	1				\$3,073.89	6.31
MDUND339 (General Secondary Rate 30 (Net Billing Rate 95 Three Phase with IT))							
Single Phase	0	0	3074	0.00	\$0.00	\$0.00	
Three Phase	3	1	7726	1.97	\$3,916.58	\$3,916.58	
Total	3	1				\$3,916.58	8.03
MDUND380 (IT Large Power Demand Response Rate 38)							
Single Phase	1	1	3074	0.00	\$0.00	\$0.00	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	1	1				\$0.00	0.00
MDUND400 (Small Municipal Lighting Rate (Close))							
Single Phase	31	0.86111	3074	1.37	\$2,245.11	\$1,933.29	
Three Phase	5	0.13889	7726	1.67	\$4,635.51	\$643.82	
Total	36	1				\$2,577.11	5.29
MDUND401 (Small Municipal Lighting Rate Non Demand (Close))							
Single Phase	212	0.99531	3074	1.90	\$1,615.55	\$1,607.96	
Three Phase	1	0.00469	7726	2.00	\$3,862.92	\$18.14	
Total	213	1				\$1,626.10	3.34
MDUND410 (Municipal Lighting Primary (Metered))							
Single Phase	8	1	3074	1.53	\$2,012.31	\$2,012.31	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	8	1				\$2,012.31	4.13
MDUND412 (Municipal Lighting Secondary Primary (Metered))							
Single Phase	362	0.98638	3074	2.41	\$1,274.21	\$1,256.85	
Three Phase	5	0.01362	7726	1.43	\$5,408.09	\$73.68	
Total	367	1				\$1,330.53	2.73
MDUND413 (Municipal Lighting Secondary Primary (UnMetered))							
Single Phase	15	1	3074	4.84	\$635.14	\$635.14	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	15	1				\$635.14	1.30
MDUND414 (Municipal Light (Rentals))							
Single Phase	3	1	3074	4.33	\$709.36	\$709.36	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	3	1				\$709.36	1.46
MDUND480 (Municipal Pumping Secondary (Connected HP))							
Single Phase	108	0.98182	3074	0.94	\$3,275.69	\$3,216.13	
Three Phase	2	0.01818	7726	1.33	\$5,794.39	\$105.35	
Total	110	1				\$3,321.48	6.81
MDUND481 (Municipal Pumping Secondary KW Billed)							
Single Phase	123	0.7193	3074	0.55	\$5,615.74	\$4,039.39	
Three Phase	48	0.2807	7726	1.06	\$7,296.63	\$2,048.18	
Total	171	1				\$6,087.57	12.49

MDUND 480 and 481 Combined							
Single Phase	231	0.82206	3074	0.68	\$4,521.69	\$3,717.12	
Three Phase	50	0.17794	7726	1.07	\$7,236.54	\$1,287.64	
Total	281	1				\$5,004.76	10.27
MDUND482 (Municipal Pumping Primary 48 (KW Billed))							
Single Phase	0	#DIV/0!	3074	0.00	\$0.00	#DIV/0!	
Three Phase	0	#DIV/0!	7726	0.00	\$0.00	#DIV/0!	
Total	0	#DIV/0!				#DIV/0!	#DIV/0!
MDUND484 (Municipal Pumping Primary (Special Metered) Williston Treatment)							
Single Phase	2	1	3074	0.00	\$0.00	\$0.00	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	2	1				\$0.00	0.00
MDUND520 (Outdoor Lighting Primary (Metered))							
Single Phase	5	1	3074	2.00	\$1,536.94	\$1,536.94	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	5	1				\$1,536.94	3.15
MDUND522 (Outdoor Lighting Secondary (Metered))							
Single Phase	142	0.91026	3074	1.69	\$1,813.76	\$1,650.98	
Three Phase	14	0.08974	7726	1.88	\$4,111.25	\$368.96	
Total	156	1				\$2,019.94	4.14
MDUND523 (Outdoor Lighting Secondary (UnMetered))							
Single Phase	7	1	3074	4.35	\$706.30	\$706.30	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	7	1				\$706.30	1.45
MDUND524 (Outdoor Light (Rental))							
Single Phase	7	1	3074	4.35	\$706.30	\$706.30	
Three Phase	0	0	7726	0.00	\$0.00	\$0.00	
Total	7	1				\$706.30	1.45

Notes:

- 1) Rate are taken and match the Service Weights by Customer Tab in NY_ServiceWeighths_Loss_Factors_2020_v4
- 2) The relatively high number of customers per three-phase transformer for Residential reflects large apartment dwellings
- 3) Zero Intercept is base on 1Ø and 3Ø Padmounts Xfrms Costs
- 4) Three Phase - reflects only three-phase padmount transformers. Customers using 3, single-phase transformers configured to provide a three-phase service would fall under the single-phase weighting.

**NORTH DAKOTA CUSTOMER WEIGHTS
ELECTRIC RATE CASE FILING - 2022**

CLASS	RATE	METERS	NUMBER OF REGISTERS	REGISTERS PER METER	WEIGHTS
Residential	MDUND 100	79,401	79,411		
	MDUND 105	8	16		
	MDUND 106	2	4		
	MDUND 130	8	16		
	MDUND 160	4	8		
		<u>79,423</u>	<u>79,455</u>	1.00	1.00
Small General	MDUND 200	10,238	11,857		
	MDUND 205	6	12		
	MDUND 260	<u>272</u>	<u>544</u>		
		10,516	12,413	1.18	1.18
Irrigation	MDUND 250	34	74	2.18	2.18
Small Municipal	MDUND 400	38	77		
	MDUND 401	<u>228</u>	<u>232</u>		
		266	309	1.16	1.16
Large General - Primary	MDUND 300	35	100		
	MDUND 305	<u>5</u>	<u>15</u>		
		40	115	2.88	2.88
Large General - Secondary	MDUND 301	4,476	10,269		
	MDUND 336	1	3		
	MDUND 337	2	7		
	MDUND 339	<u>4</u>	<u>15</u>		
		4,483	10,294	2.30	2.30
Large General - Contracts	MDUND 303	2	8	4.00	4.00
	MDUND 304	1	3	3.00	3.00
Large General - TOD - Primary	MDUND 310	1	6	6.00	6.00
Large General - TOD - Secondary	MDUND 311	67	284	4.24	4.24
Space Heat	MDUND 323	591	2,364	4.00	4.00
IT Demand Response	MDUND 380	3	9		
	MDUND 381	<u>1</u>	<u>4</u>		
		4	13	3.25	3.25
IT Power Service - Primary	MDUND 390	1	3	3.00	3.00
Municipal Lighting - Primary	MDUND 410	43	43	1.00	1.00
Municipal Lighting - Secondary	MDUND 412	503	503	1.00	1.00
Municipal Pumping - Primary	MDUND 482	2	6		
	MDUND 484	<u>4</u>	<u>16</u>		
		6	22	3.67	3.67
Municipal Pumping - Secondary	MDUND 480	113	115		
	MDUND 481	<u>188</u>	<u>422</u>		
		301	537	1.78	1.78
Outdoor Lighting - Primary	MDUND 520	11	11	1.00	1.00
Outdoor Lighting - Secondary	MDUND 522	200	202	1.01	1.01
Total:		96,493.0	106,659.0		

**NORTH DAKOTA METER WEIGHTS
ELECTRIC RATE CASE FILING - 2022**

CLASS	RATE	COUNT	SUM OF COSTS	AVG	WEIGHTS
Residential	MDUND 100	79,401	9,263,211.30	116.73	1.00
	MDUND 105	8	2,773.25		
	MDUND 106	2	721.43		
	MDUND 130	8	2,840.74		
	MDUND 160	4	1,397.88		
		<u>79,423</u>	<u>9,270,944.60</u>		
Small General	MDUND 200	10,238	1,862,276.41	186.38	1.60
	MDUND 205	6	2,516.57		
	MDUND 260	272	95,159.94		
		<u>10,516</u>	<u>1,959,952.92</u>		
Irrigation	MDUND 250	34	16,040.60	471.78	4.04
Small Municipal	MDUND 400	38	22,018.64	222.62	1.91
	MDUND 401	228	37,196.96		
		<u>266</u>	<u>59,215.60</u>		
Large General - Primary	MDUND 300	35	241,166.96	7,265.42	62.24
	MDUND 305	5	49,449.75		
		<u>40</u>	<u>290,616.71</u>		
Large General - Secondary	MDUND 301	4,476	3,208,841.80	717.56	6.15
	MDUND 336	1	338.22		
	MDUND 337	2	1,897.99		
	MDUND 339	4	5,757.22		
		<u>4,483</u>	<u>3,216,835.23</u>		
Large General - Contracts	MDUND 303	2	20,565.10	10,282.55	88.09
	MDUND 304	1	8,319.55	8,319.55	71.27
Large General - TOD - Primary	MDUND 310	1	8,364.55	8,364.55	71.66
Large General - TOD - Secondary	MDUND 311	67	46,735.00	697.54	5.98
Space Heat	MDUND 323	591	346,823.97	586.84	5.03
IT Demand Response	MDUND 380	3	25,003.65	8,342.05	71.46
	MDUND 381	1	8,364.55		
		<u>4</u>	<u>33,368.20</u>		
IT Power Service - Primary	MDUND 390	1	8,364.55	8,364.55	71.66
Municipal Lighting - Primary	MDUND 410	43	4,746.11	110.37	0.95
Municipal Lighting - Secondary	MDUND 412	503	55,859.31	111.05	0.95
Municipal Pumping - Primary	MDUND 482	2	16,639.10	8,865.14	75.95
	MDUND 484	4	36,551.76		
		<u>6</u>	<u>53,190.86</u>		
Municipal Pumping - Secondary	MDUND 480	113	38,352.26	527.49	4.52
	MDUND 481	188	120,421.04		
		<u>301</u>	<u>158,773.30</u>		
Outdoor Lighting - Primary	MDUND 520	11	19,253.55	1,750.32	14.99
Outdoor Lighting - Secondary	MDUND 522	200	38,473.87	192.37	1.65
Total:		96,493.00	15,616,443.58		

**NORTH DAKOTA SERVICE WEIGHTS
ELECTRIC RATE CASE FILING
SERVICE WEIGHT SUMMARY**

CLASS	RATE	COUNT	SUM OF COSTS	AVG	WEIGHTS
Primary Rates - Weighted at 0					
Large General - Primary	MDUND 300	27	63,511.06		
	MDUND 305	1	2,471.64		
		28	65,982.70	2,356.53	3.72
Large General - Contracts	MDUND 303	-	-		
	MDUND 304	1	823.88		
		1	823.88	823.88	1.30
Large General - TOD - Primary	MDUND 310	2	4,943.28	2,471.64	3.90
IT Power Service - Primary	MDUND 390	-	-	#DIV/0!	#DIV/0!
Municipal Lighting - Primary	MDUND 410	8	5,149.08	643.64	1.02
Municipal Pumping - Primary	MDUND 482	-	-		
	MDUND 484	2	4,943.28		
		2	4,943.28	2,471.64	3.90
Outdoor Lighting - Primary	MDUND 520	5	9,229.80	1,845.96	2.91
Total:		85,318.00	56,281,891.61		
100			1,656.65		
Rate 413 (unmetered)		15	6,062.77		
Rate 523 (unmetered)		7	1,122.93		
Rate 524 (rental)		7	1,122.93		
Grand Total		85,347.00	56,291,856.89		

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC O&M BY FERC ACCOUNT
NON METER SERVICE WEIGHTS
TWELVE MONTHS ENDING DECEMBER 31, 2021**

Total ND Customer Accts	\$2,540,494
Less Meter Reading 1/	<u>282,298</u>
Total	2,258,196

% of Total 89%

Non-Metered Weight 89%

1/ Meter Reading Expense is FERC Account 902 per Customer Accounts O&M Expense
Explanations from FERC website

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
EMBEDDED CLASS COST OF SERVICE STUDY
PROJECTED 2023 METERS AND CUSTOMERS**

Rate	Customer Class	2021 Billing Units	2023 Projected Billing Units	2021 Active Customers	Customers to Billing Unit Ratio - 2021	2023 Projected Customers	2021 Meters	Meters to Billing Unit Ratio - 2021	2023 Projected Meters
10	- Residential Electric Service	79,584	80,169	78,153	98.20%	78,726	79,423	99.80%	80,009
20	- Small General Electric Service	10,432	10,680	9,943	95.31%	10,179	10,516	100.81%	10,767
25	- Irrigation Power Service	49	49	33	67.35%	33	34	69.39%	34
40	- Small Municipal Electric Service	271	271	233	85.98%	233	266	98.15%	266
	Total Small General	10,752	11,000	10,209		10,445	10,816		11,067
30	- Large General Service - Primary	39	40	35	89.74%	36	40	102.56%	41
	- Large General Service - Secondary	4,434	4,566	4,004	90.30%	4,123	4,483	101.11%	4,617
	Total Large General Service	4,473	4,606	4,039		4,159	4,523		4,658
	- Contracts - Tesoro	1	1	1	100.00%	1	2	200.00%	2
	- Contracts - Sabin	1	1	0	0.00%	1	1	100.00%	1
	Total Rate 30	4,475	4,608	4,040		4,161	4,526		4,661
31	- TOD Large General Service Primary	1	1	1	100.00%	1	1	100.00%	1
31	- TOD Large General Service Secondary	67	52	61	91.04%	47	67	100.00%	52
32	- Space Heating	587	603	32	5.45%	33	591	100.68%	607
38	- IT Demand Response - DSU	3	3	3	100.00%	3	3	100.00%	3
	- IT Demand Response - State Capitol	1	1	1	100.00%	1	1	100.00%	1
	- IT Demand Response - Matheson	0	0	0		0	0		0
	Total Rate 38	4	4	4		4	4		4
39	- Int .Power Serv - Primary (Am. Colloid)	1	0	0	0.00%	0	1	100.00%	0
	Total General	5,135	5,268	4,138		4,246	5,190		5,325
41	- Municipal Lighting Service - Primary Metered	44	44	43	97.73%	43	43	97.73%	43
	- Municipal Lighting Service - Secondary Metered	481	481	488	101.46%	488	503	104.57%	503
	- Non-Metered	117	117	0	0.00%	0	0	0.00%	0
	Total Municipal Lighting	598	598	488		488	503		503
	Total Municipal Lighting	642	642	531		531	546		546
48	- Municipal Pumping - Primary	5	5	3	60.00%	3	6	120.00%	6
	- Municipal Pumping - Secondary	303	303	268	88.45%	268	301	99.34%	301
	Total Municipal Pumping	308	308	271		271	307		307
52	- Outdoor Lighting - Primary Metered	13	13	7	53.85%	7	11	84.62%	11
	- Outdoor Lighting - Secondary Metered	200	204	175	87.50%	179	200	100.00%	204
	- Non-Metered	2,295	2,335	0	0.00%	0	0	0.00%	0
	Total Outdoor Lighting	2,495	2,539	175		179	200		204
	Total Outdoor Lighting	2,508	2,552	182		186	211		215
	TOTAL NORTH DAKOTA ELECTRIC	98,929	99,939	93,484		94,405	96,493		97,469

Note: does not include Rate 34 as that rate is not included in projected customer data.

**MONTANA-DAKOTA UTILITIES CO.
NORTH DAKOTA ELECTRIC CASE- FILING 2022
LOSS FACTOR CALCULATION**

	Energy		Demand		
	Loss Factor	Service Level Total	Loss Factor	Service Level Total	
Production and Transmission	5.388%	5.388%	7.230%	7.230%	Transmission 1/
Substation Transformer Losses	0.342%	5.730%	0.470%	7.700%	Substation 2/
Primary Lines	0.902%	6.632%	2.502%	10.202%	Primary
Distribution Transformer Losses	0.762%	7.394%	1.437%	11.639%	
Service Drop	0.173%	7.567%	0.406%	12.045%	Secondary
	7.567%		12.045%		

Rate 302C
Rate 303 & 304
Rate 300, 305, 310, 320, 380,
All other rates

1/ Primary customer taking service at transmission level. Contract customer.

2/ Primary customer taking service at the substation level.

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Allocator Development

Class	2019					2023					Allocator Shares (Less Contracts, 39)		
	kWh @ Secondary	kWh @ Primary	kWh @ Substation	kWh @ Transmission	kWh @ Generation	kWh @ Secondary	kWh @ Primary	kWh @ Substation	kWh @ Transmission	kWh @ Generation	2023	2023	2019
10_sec	769,830,469	777,085,979	784,159,094	786,850,121	831,659,960	763,404,470	770,599,416	777,613,490	780,282,054	824,717,852	36.40%	38.68%	36.6%
20_sec	91,547,160	92,409,975	93,251,100	93,571,113	98,899,836	90,166,359	91,016,160	91,844,599	92,159,785	97,408,135	4.30%	4.57%	4.4%
25_sec	718,280	725,050	731,649	734,160	775,969	1,577,312	1,592,178	1,606,670	1,612,184	1,703,995	0.08%	0.08%	0.0%
30_prim		213,452,748	215,395,616	216,134,797	228,443,324		226,484,074	228,545,555	229,329,863	242,389,827	10.70%	11.37%	10.1%
30_sec	730,365,138	737,248,694	743,959,206	746,512,278	789,024,942	722,746,179	729,557,928	736,198,438	738,724,877	780,794,061	34.46%	36.62%	34.7%
31_prim		2,395,200	2,417,001	2,425,296	2,563,413		2,478,000	2,500,555	2,509,136	2,652,027	0.12%	0.12%	0.1%
31_sec	24,755,715	24,989,033	25,216,486	25,303,022	26,743,988	13,853,295	13,983,860	14,111,142	14,159,568	14,965,932	0.66%	0.70%	1.2%
40_sec	3,757,148	3,792,558	3,827,079	3,840,212	4,058,906	3,270,836	3,301,663	3,331,715	3,343,149	3,533,536	0.16%	0.17%	0.2%
41_prim		1,246,450	1,257,795	1,262,112	1,333,987		1,174,555	1,185,246	1,189,313	1,257,043	0.06%	0.06%	0.1%
41_sec	14,977,575	15,118,736	15,256,348	15,308,704	16,180,510	12,133,777	12,248,136	12,359,619	12,402,034	13,108,310	0.58%	0.61%	0.7%
48_prim		23,106,900	23,317,221	23,397,240	24,729,675		23,520,600	23,734,687	23,816,138	25,172,429	1.11%	1.18%	1.1%
48_sec	22,101,508	22,309,811	22,512,877	22,590,135	23,876,607	22,345,983	22,556,590	22,761,902	22,840,015	24,140,717	1.07%	1.13%	1.1%
38_prim**		18,245,700	29,365,374	29,466,148	31,144,198		21,795,700	32,184,487	32,294,935	34,134,080	1.51%	1.60%	1.4%
380		18,245,700	18,411,774	18,474,959	19,527,077		21,795,700	21,994,087	22,069,565	23,326,390	1.03%	1.09%	0.9%
381			10,953,600	10,991,190	11,617,120			10,190,400	10,225,371	10,807,689	0.48%	0.51%	0.5%
382													
32	64,298,391	64,904,391	65,495,158	65,719,920	69,462,563	57,227,301	57,766,658	58,292,456	58,492,500	61,823,553	2.73%	2.90%	3.1%
32_prim		0	0	0	0		0	0	0	0	0.00%	0.00%	0.0%
32_sec	64,298,391	64,904,391	65,495,158	65,719,920	69,462,563	57,227,301	57,766,658	58,292,456	58,492,500	61,823,553	2.73%	2.90%	3.1%
52	6,122,726	6,231,355	6,288,073	6,309,652	6,668,976	3,958,084	4,029,469	4,066,146	4,080,100	4,312,455	0.19%	0.20%	0.3%
52_prim		50,923	51,387	51,563	54,499		34,081	34,391	34,509	36,474	0.00%	0.00%	0.0%
52_sec	6,122,726	6,180,432	6,236,686	6,258,089	6,614,477	3,958,084	3,995,388	4,031,755	4,045,591	4,275,980	0.19%	0.20%	0.3%
Contracts			104,656,132	105,015,284	110,995,734			125,918,594	126,350,713	133,546,182	5.89%		4.9%
30T - Transmission													
303 - Substation			80,673,452	80,950,302	85,560,290			98,750,754	99,089,641	104,732,635	4.62%	4.91%	3.8%
304 - Substation			23,982,680	24,064,982	25,435,444			27,167,840	27,261,073	28,813,547	1.27%	1.35%	1.1%
39_prim		3,772,800	3,807,140	3,820,206	4,037,760		0	0	0	0	0.00%		0.2%
Total	1,728,474,110	2,007,035,380	2,140,913,351	2,148,260,401	2,270,600,348	1,690,683,596	1,982,104,986	2,136,255,300	2,143,586,365	2,265,660,133	100.00%	100.00%	100.00%
Total (less contracts & 39)	1,728,474,110	2,003,262,580	2,032,450,078	2,039,424,911	2,155,566,854	1,690,683,596	1,982,104,986	2,010,336,706	2,017,235,652	2,132,113,952	ALT	STD	ALT
Check													
Sales at VSL	1,728,474,110	262,270,721	115,609,732	-	-								
Sales & Losses from below	-	1,744,764,659	2,025,303,619	2,148,260,401	2,270,600,348								
Total	1,728,474,110	2,007,035,380	2,140,913,351	2,148,260,401	2,270,600,348								
losses	16,290,549	18,268,239	7,347,051	122,339,947	-								
total for level (check)	1,744,764,659	2,025,303,619	2,148,260,401	2,270,600,348	2,270,600,348								

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Allocator Development

Class	2019				
	12 CP @ Secondary	12 CP @ Primary	12 CP@ Substation	12 CP @ Transmission	12 CP @ Generation
10_sec	138,585	141,179	144,802	145,485	156,824
20_sec	16,007	16,307	16,725	16,804	18,114
25_sec	101	103	106	106	114
30_prim		31,371	32,176	32,328	34,847
30_sec	112,442	114,546	117,486	118,041	127,240
31_prim		352	361	363	391
31_sec	3,811	3,811	3,909	3,927	4,233
40_sec	601	612	628	631	680
41_prim		68	69	70	75
41_sec	723	737	756	759	819
48_prim		3,098	3,177	3,192	3,441
48_sec	2,752	2,803	2,875	2,889	3,114
38_prim**		1,777	2,890	2,904	3,130
380		1,777	1,823	1,831	1,974
381			1,067	1,072	1,156
382					
32	7,652	7,795	7,995	8,033	8,659
32_sec	7,652	7,795	7,995	8,033	8,659
52	479	492	505	507	547
52_prim		4	4	4	4
52_sec	479	488	501	503	542
Contracts			13,447	13,510	14,563
30T - Transmission					
303 - Substation			9,922	9,969	10,746
304 - Substation			3,525	3,542	3,818
39_prim		367	377	378	408
Total	283,154	325,418	348,283	349,928	377,200
Total (less contracts & 39)	283,154	325,051	334,460	336,039	362,228

Interruptibility factor 0.80
2/ Per 12/3/2013 email and attached memo from Mike O'Sheasy, equals (Projected 2017 12CP@Gen)*(Rate 38 Adjustment)
NOTE TAKEN FROM COS MODEL, SHEET ALLOCATION FACTOR WORKSHEET; CODE MOVED HERE

Class	2019				
	1 NCP @ Secondary	1 NCP @ Primary	1 NCP @ Substation	1 NCP @ Transmission	1 NCP @ Generation
10_sec	202,101	205,883	211,167	212,164	228,699
20_sec	27,938	28,461	29,191	29,329	31,615
25_sec	1,133	1,155	1,184	1,190	1,282
30_prim		66,715	68,427	68,750	74,108
30_sec	139,019	141,621	145,255	145,941	157,315
31_prim		376	385	387	417
31_sec	4,712	4,800	4,923	4,947	5,332
40_sec	1,825	1,859	1,907	1,916	2,065
41_prim		376	385	387	417
41_sec	3,731	3,801	3,898	3,916	4,222
48_prim		6,306	6,468	6,498	7,005
48_sec	4,003	4,077	4,182	4,202	4,529
38_prim**		6,198	10,078	10,125	10,914
380		6,198	6,357	6,387	6,884
381			3,721	3,739	4,030
382					
32	20,938	21,330	21,877	21,981	23,694
32_sec	20,938	21,330	21,877	21,981	23,694
52	2,669	2,741	2,811	2,825	3,045
52_prim		22	23	23	25
52_sec	2,669	2,719	2,789	2,802	3,020
Contracts			20,289	20,385	21,973
30T - Transmission					
303 - Substation			12,793	12,853	13,855
304 - Substation			7,496	7,531	8,118
39_prim		1,282	1,315	1,321	1,424
Total	408,068	496,980	533,743	536,263	578,057
Total (less contracts & 39)	408,068	495,698	512,139	514,558	554,660

Interruptibility factor 1.00

2023				
12 CP @ Secondary	12 CP @ Primary	12 CP@ Substation	12 CP @ Transmission	12 CP @ Generation
137,428	140,000	143,593	144,271	155,515
15,766	16,061	16,473	16,551	17,841
222	226	232	233	251
	33,286	34,140	34,302	36,975
111,269	113,351	116,260	116,809	125,913
	364	374	375	405
2,133	2,173	2,228	2,239	2,413
523	533	547	549	592
	64	65	66	71
586	597	612	615	663
	3,153	3,234	3,249	3,502
2,782	2,834	2,907	2,920	3,148
	2,123	3,170	3,185	3,433
	2,123	2,177	2,188	2,358
		993	998	1,075
6,810	6,938	7,116	7,150	7,707
6,810	6,938	7,116	7,150	7,707
310	318	326	328	354
	3	3	3	3
310	316	324	325	351
		16,138	16,215	17,478
		12,145	12,203	13,154
		3,993	4,012	4,325
	0	0	0	0
277,829	322,022	347,417	349,057	376,261
277,829	322,022	331,278	332,843	358,783

41.33%	43.35%	41.6%
4.74%	4.97%	4.8%
0.07%	0.07%	0.0%
9.83%	10.31%	9.2%
33.46%	35.09%	33.7%
0.11%	0.11%	0.1%
0.64%	0.67%	1.1%
0.16%	0.17%	0.2%
0.02%	0.02%	0.0%
0.18%	0.18%	0.2%
0.93%	0.98%	0.9%
0.84%	0.88%	0.8%
0.91%	0.96%	0.8%
0.63%	0.66%	0.5%
0.29%	0.30%	0.3%
2.05%	2.15%	2.3%
2.05%	2.15%	2.3%
0.09%	0.10%	0.1%
0.00%	0.00%	0.0%
0.09%	0.10%	0.1%
4.65%		3.9%
3.50%	3.67%	2.8%
1.15%	1.21%	1.0%
0.00%		0.1%
100.00%	100.00%	100.0%

2023				
1 NCP @ Secondary	1 NCP @ Primary	1 NCP @ Substation	1 NCP @ Transmission	1 NCP @ Generation
200,414	204,165	209,404	210,393	226,790
27,516	28,031	28,751	28,887	31,138
2,489	2,535	2,600	2,613	2,816
	70,788	72,605	72,948	78,633
137,569	140,143	143,740	144,419	155,674
	389	399	401	432
2,637	2,686	2,755	2,768	2,984
1,589	1,618	1,660	1,668	1,798
	354	363	365	393
3,022	3,079	3,158	3,173	3,420
	6,419	6,584	6,615	7,130
4,047	4,123	4,228	4,248	4,579
	7,403	11,055	11,107	11,973
	7,403	7,593	7,629	8,224
		3,462	3,478	3,749
18,635	18,984	19,471	19,563	21,088
18,635	18,984	19,471	19,563	21,088
1,725	1,772	1,818	1,827	1,969
	15	15	15	17
1,725	1,758	1,803	1,811	1,952
		24,151	24,265	26,156
		15,659	15,733	16,959
		8,492	8,532	9,197
	0	0	0	0
399,643	492,491	532,742	535,258	576,973
399,643	492,491	508,591	510,993	550,817

39.31%	41.17%	39.6%
5.40%	5.65%	5.5%
0.49%	0.51%	0.2%
13.63%	14.28%	12.8%
26.98%	28.26%	27.2%
0.07%	0.08%	0.1%
0.52%	0.54%	0.9%
0.31%	0.33%	0.4%
0.07%	0.07%	0.1%
0.59%	0.62%	0.7%
1.24%	1.29%	1.2%
0.79%	0.83%	0.8%
2.08%	2.17%	1.9%
1.43%	1.49%	1.2%
0.65%	0.68%	0.7%
3.65%	3.83%	4.1%
3.65%	3.83%	4.1%
0.34%	0.36%	0.5%
0.00%	0.00%	0.0%
0.34%	0.35%	0.5%
4.53%		3.8%
2.94%	3.08%	2.4%
1.59%	1.67%	1.4%
0.00%		0.2%
100.00%	100.00%	100.0%

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Allocator Development

Loss Factors

	Average Losses	Peak Losses		Average Losses	Peak Losses
Production and Transmission	5.388%	7.230%	Transmission to Generation	1.0569	1.0779
Substation Transformers Losses	0.342%	0.470%	Substation to Transmission	1.0034	1.0047
Distribution Primary Lines	0.902%	2.502%	Primary to Substation	1.0091	1.0257
Distribution Transformers	0.762%	1.437%	Secondary to Primary	1.0077	1.0146
Service Lines	0.173%	0.406%	Secondary to Primary	1.0017	1.0041
Total Distribution Losses	2.179%	4.815%			
5-Year Average Total Losses	7.567%	12.045%			

		Energy @ Generation Level	12 CP @ Gen	NCP KW @ Gen	NCP KW @ Supply Secondary
Residential Electric Service	10	824,717,852	155,515	226,790	200,414
Small General Electric Service	20	97,408,135	17,841	31,138	27,516
Irrigation Power Service	25	1,703,995	251	2,816	2,489
Large General Service - Primary	30	242,389,827	36,975	78,633	0
Large General Service - Secondary		780,794,061	125,913	155,674	137,569
Space Heating - Billed @ Rate 30			0	0	0
Total Large General Service - Secondary		780,794,061	125,913	155,674	137,569
Total Large General Service		1,023,183,888	162,888	234,307	137,569
Contract Rate - Tesoro		104,732,635	13,154	16,959	0
Contract Rate - Sabin		28,813,547	4,325	9,197	0
Contracts - Primary		133,546,182	17,478	26,156	0
TOD Large General Service Primary	31	2,652,027	405	432	0
TOD Large General Service Secondary	31	14,965,932	2,413	2,984	2,637
Space Heating - Secondary 1/	32	61,823,553	7,707	21,088	18,635
TOTAL LARGE GENERAL		1,236,171,583	190,891	284,966	158,841
Small Municipal Electric Service	40	3,533,536	592	1,798	1,589
Municipal Lighting - Primary	41	1,257,043	71	393	0
Municipal Lighting - Secondary		13,108,310	663	3,420	3,022
TOTAL MUNICIPAL LIGHTING		14,365,353	734	3,813	3,022
Municipal Pumping - Primary	48	25,172,429	3,502	7,130	0
Municipal Pumping - Secondary		24,140,717	3,148	4,579	4,047
TOTAL MUNICIPAL PUMPING		49,313,145	6,651	11,710	4,047
Outdoor Lighting	52	4,312,455	354	1,969	1,725
Contract Rate - American Colloid 2/	39	0	0	0	0
IT Demand Response - 381	38				0
IT Demand Response - 382					0
IT Demand Response - 380					0
		34,134,080	3,433	11,973	0
TOTAL NORTH DAKOTA ELECTRIC		2,265,660,133	376,261	576,973	399,643

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Development of Energy and Demand Data for Allocators

Rate Class	FN Data	VSL	2-D. Rate	kWh - P (2019)	kWh	12CP	1NCP	1CP	Rate Description
100	1	6	10	769,556,853	769,556,853	138,536	202,029	183,776	Residential Electric Service Rate 10
105		6	10	-					Residential Electric Service Rate 10 (Net Billing Rate 95)
106		6	10	39,376	39,376	7	10	9	Residential Electric Rate 10 and 95
130		6	10	159,958	159,958	29	42	38	Residential Electric Thermal Energy Storage Rate 13
160		6	10	74,282	74,282	13	20	18	TOD Residential Electric Service Rate 16
200	1	6	20	90,155,059	90,155,059	15,845	27,704	19,428	General Electric Rate 20 Non Demand
201		6	20	-					General Electric Rate 20 (WIFI-No Meter)
205		6	20	-					General Electric Rate 20 Non Demand (Net Billing Rate 95)
250	1	6	25	718,280	718,280	101	1,133	524	Irrigation Power Service Rate 25
260	1	6	20	1,392,101	1,392,101	162	234	170	Optional TOD Small General Electric Service Rate 26
300	1	4	30 Pri	212,346,389	212,346,387	31,208	66,369	37,373	General Primary Service Rate 30
301	1	6	30 Sec	730,365,138	730,365,138	112,442	139,019	134,608	General Secondary Service Rate 30
302		3	Contract	-					General Primary Rate 30 Tesoro 1806 Substation
303	1	3	Contract	80,673,451	80,673,452	9,922	12,793	11,288	General Primary Rate 30 Tesoro Internal Substation
304		3	Contract	23,982,680	23,982,680	3,525	7,496	4,221	General Electric Service Rate 30 (Sabin Metal)
305		4	30 Pri	1,106,361	1,106,361	163	346	195	General Primary Rate 30 (Special Sub Metered)
310		4	31 Pri	2,395,200	2,395,200	352	749	422	Optional TOD Primary Electric Service Rate 31
311		6	31 Sec	24,755,715	24,755,715	3,811	4,712	4,563	Optional TOD Secondary Electric Service Rate 31
320		4	32	-					General Space Heating Primary Rate 32
321		6	32	-					General Space Heating Secondary Rate 32
322		6	32	-					General Space Heating Secondary Rate 32 Non Demand
323		6	32	64,298,391	64,298,391	7,652	20,938	17,761	General Space Heat Secondary (Seasonal Meter)Rate 32
324		4	32	-					General Space Heat Primary (Seasonal Meter)Rate 32
335		6		-					General Primary Rate 30 (Net Billing Rate 95)
380	1	4	38	18,245,700	18,245,700	2,221	6,198	4,007	IT Large Power Demand Response Rate 38
381		3	38	10,953,600	10,953,600	1,334	3,721	2,405	IT Lg Power Demand Response (State Capitol)Rate 38
390		4	39	3,772,800	3,772,800	459	1,282	829	IT Large Power Service Rate 39 (American Colloid)
400	1	6	40	1,870,198	1,870,197	321	446	396	Small Municipal Rate 40 Demand (Closed)
401	1	6	40	1,886,951	1,886,951	280	1,379	405	Small Municipal Rate 40 NonDemand (Closed)
410	1	4	41 Pri	1,246,451	1,246,450	68	376	291	Municipal Lighting Primary Rate 41 (Metered)
412	1	6	41 Sec	8,005,139	8,005,139	386	1,994	1,867	Municipal Lighting Secondary Rate 41 (Metered)
413		6	41 Sec	6,972,436	6,972,436	337	1,737	1,626	Municipal Lighting Secondary Service Rate 41 (Unmetered)
414		6		-					Municipal Light Rate 41 (Rentals)
480	1	6	48 Sec	802,566	802,566	113	187	171	Municipal Pumping Secondary 48 (Connected HP)
481	1	6	48 Sec	21,298,942	21,298,942	2,639	3,816	3,084	Municipal Pumping Secondary 48 (KW Billed)
482	1	4	48 Pri	8,527,700	8,527,701	1,512	3,868	2,604	Municipal Pumping Primary 48 (KW Billed)
484	1	4	48 Pri	14,579,200	14,579,199	1,586	2,439	1,984	Municipal Pumping Primary 48 (Special Metered) - Williston Treatment Plant
520		4	52	50,923	50,923	4	22	14	Outdoor Lighting Primary Rate 52 (Metered)
521		4	52	-	-	-	-	-	Outdoor Lighting Primary Rate 52 (Unmetered)
522	1	6	52	2,672,547	2,672,547	209	1,165	711	Outdoor Lighting Secondary Rate 52 (Metered)
523		6	52	3,450,179	3,450,179	270	1,504	917	Outdoor Lighting Secondary Rate 52 (Unmetered)
524		6	52						Outdoor Light Rate 52 (Rentals)
Total				2,106,354,566	2,106,354,563	335,507	513,726	435,703	
Source total				2,107,336,755					
Discrepancy			1/	(982,189)	1,964,342,662	from LR data 93% share from LR data			

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Development of Energy and Demand Data for Allocators

Variable	Source/Definition
FN Data	Fixed network data (i.e. interval data available and received)
VSL	Voltage Service Level
2-D. Rate	2-digit rate class
kWh - P (2019)	From: <i>12 mos end 2019 "Electric Revenue by Rate and Rate Reporting Class" report.</i>
kWh, CP, NCP	Data are from Load Data files
	Inferred data
	3-digit rate code combined with other 3-digit rate code. See "Holds" and "In" columns
1/ Variance relates to rates 105, 201, 205, 336, 337, 339, and 340.	

Totals by VSL

Substation	3	115,609,732	14,781	24,010	17,914
Primary	4	262,270,721	37,573	81,648	47,718
Secondary	6	1,728,474,110	283,154	408,068	370,071
Total		2,106,354,563	335,507	513,726	435,703

Amounts by VSL of classes whose demand is inferred

Substation	3	34,936,280	4,859	11,217	6,626
Primary	4	7,325,284	978	2,399	1,460
Secondary	6	99,750,337	12,119	28,963	24,932
Total		142,011,901	17,956	42,579	33,018

Inferred Share of Total by VSL

Substation	3	30.22%	32.87%	46.72%	36.99%
Primary	4	2.79%	2.60%	2.94%	3.06%
Secondary	6	5.77%	4.28%	7.10%	6.74%
Total		6.74%	5.35%	8.29%	7.58%

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
Development of Energy and Demand Data for Allocators

2-Digit Allocation of Energy and Demand

2-Digit Code		Rate Codes	KWh	12CP	1NCP	1CP
10	6	, 106, 130, 160	769,830,469	138,585	202,101	183,841
20	6	00, 205, 260	91,547,160	16,007	27,938	19,598
25	6	250	718,280	101	1,133	524
30 Pri	4	300, 305	213,452,748	31,371	66,715	37,568
30 Sec	6	301	730,365,138	112,442	139,019	134,608
31 Pri	4	310	2,395,200	352	749	422
31 Sec	6	311	24,755,715	3,811	4,712	4,563
32 pri	4	320, 324	-	-	-	-
32 sec	6	323	64,298,391	7,652	20,938	17,761
38 pri	4	380	18,245,700	2,221	6,198	4,007
38 sub	3	381	10,953,600	1,334	3,721	2,405
39	4	390	3,772,800	459	1,282	829
303 - C	3	303	80,673,452	9,922	12,793	11,288
304 - C	3	304	23,982,680	3,525	7,496	4,221
40	6	400, 401	3,757,148	601	1,825	801
41 Pri	4	410	1,246,450	68	376	291
41 Sec	6	412, 413	14,977,575	723	3,731	3,493
48 Pri	4	482, 484	23,106,900	3,098	6,306	4,588
48 Sec	6	480, 481	22,101,508	2,752	4,003	3,254
52 Pri	4	520, 521	50,923	4	22	14
52 Sec	6	<u>522,523</u>	6,122,726	479	2,669	1,628
Total			2,106,354,563	335,507	513,726	435,703
Substation	3		115,609,732	14,781	24,010	17,914
Primary	4		262,270,721	37,573	81,648	47,718
Secondary	6		1,728,474,110	283,154	408,068	370,071
Total			2,106,354,563	335,507	513,726	435,703

To loss adjustment file, allocator development file

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Residential Rate 100 Load Study Results
Twelve Months Ending December 31, 2019**

		January	February	March	April	May	June	July	August	September	October	November	December		
	Total Rate 10 Customers	79,218	79,009	79,099	79,402	79,604	79,271	79,684	79,560	79,281	79,620	79,112	79,375	79,353	Average
Strata 1	Average KWH	239.239	243.450	224.003	188.773	187.019	225.178	326.402	273.343	219.565	210.844	216.350	245.141		
	Average Non-Coincident Peak	0.539	0.547	0.567	0.433	0.484	0.745	0.975	0.845	0.665	0.458	0.499	0.570		
	Average Coincident Peak	0.522	0.409	0.429	0.272	0.420	0.586	0.750	0.638	0.425	0.307	0.441	0.357		
	Total KWH 1/	4,738,994	4,809,685	4,430,525	3,748,018	3,722,639	4,463,450	6,503,607	5,437,923	4,352,738	4,197,723	4,279,860	4,865,529	55,550,691	Total
	Total Non-Coincident Peak 1/	10,677	10,807	11,215	8,597	9,634	14,767	19,427	16,811	13,183	9,118	9,871	11,313		
	Total Coincident Peak 1/	10,340	8,080	8,485	5,400	8,360	11,616	14,944	12,692	8,425	6,112	8,724	7,086		
Strata 2	Average KWH	595.923	623.868	548.257	433.471	423.367	511.323	746.902	624.681	496.488	492.202	525.231	607.713		
	Average Non-Coincident Peak	1.408	1.339	1.344	0.946	1.275	1.822	2.299	2.012	1.735	1.103	1.212	1.357		
	Average Coincident Peak	1.408	1.115	0.996	0.674	0.988	1.573	1.950	1.629	1.145	0.699	1.108	0.976		
	Total KWH 1/	11,802,146	12,322,994	10,841,819	8,604,754	8,425,561	10,133,434	14,879,273	12,425,104	9,840,674	9,797,438	10,388,185	12,059,498	131,520,880	Total
	Total Non-Coincident Peak 1/	27,885	26,449	26,578	18,779	25,374	36,109	45,799	40,019	34,389	21,956	23,971	26,928		
	Total Coincident Peak 1/	27,885	22,024	19,696	13,379	19,663	31,174	38,847	32,401	22,695	13,914	21,914	19,368		
Strata 3	Average KWH	971.954	1,010.281	907.956	704.600	673.656	811.406	1,128.058	969.624	777.710	771.435	847.025	995.988		
	Average Non-Coincident Peak	2.227	2.212	2.291	1.622	2.125	2.608	3.204	2.972	2.708	1.729	1.938	2.119		
	Average Coincident Peak	2.227	1.677	1.569	1.110	1.693	2.211	2.699	2.444	1.914	1.172	1.798	1.555		
	Total KWH 1/	19,245,675	19,951,811	17,951,443	13,984,201	13,404,069	16,077,411	22,468,088	19,282,427	15,411,694	15,352,711	16,749,512	19,760,658	209,639,700	Total
	Total Non-Coincident Peak 1/	44,097	43,684	45,296	32,192	42,282	51,676	63,816	59,103	53,664	34,410	38,323	42,042		
	Total Coincident Peak 1/	44,097	33,119	31,021	22,030	33,686	43,809	53,757	48,603	37,929	23,325	35,555	30,852		
Strata 4	Average KWH	2,429.143	2,675.227	2,151.770	1,396.501	1,179.643	1,132.497	1,467.588	1,305.451	1,168.161	1,593.789	1,982.587	2,420.806		
	Average Non-Coincident Peak	5.234	5.158	5.256	3.009	2.575	3.219	3.664	3.379	3.236	3.660	4.356	4.604		
	Average Coincident Peak	5.123	4.801	4.534	2.457	2.218	2.746	3.324	2.897	2.342	3.058	4.111	4.321		
	Total KWH 1/	48,105,653	52,839,216	42,548,671	27,719,912	23,474,948	22,442,465	29,234,417	25,964,174	23,152,132	31,722,847	39,209,724	48,035,563	414,449,722	Total
	Total Non-Coincident Peak 1/	103,652	101,877	103,931	59,727	51,243	63,790	72,987	67,205	64,135	72,849	86,149	91,356		
	Total Coincident Peak 1/	101,454	94,826	89,654	48,770	44,138	54,417	66,214	57,619	46,417	60,867	81,303	85,741		
Total	Total Kwh - 4 Stratas	83,892,468	89,923,706	75,772,458	54,056,885	49,027,217	53,116,760	73,085,385	63,109,628	52,757,238	61,070,719	70,627,281	84,721,248	811,160,993	Total
	Kwh Scaled to Per Books	79,589,655	85,311,553	71,886,117	51,284,328	46,512,630	50,392,422	69,336,863	59,872,759	50,051,339	57,938,425	67,004,835	80,375,927	769,556,853	
	Total Non-Coincident Peak	186,311	182,817	187,020	119,295	128,533	166,342	202,029	183,138	165,371	138,333	158,314	171,639	202,029	Max
	Total Coincident Peak	183,776	158,049	148,856	89,579	105,847	141,016	173,762	151,315	115,466	104,218	147,496	143,047	183,776	Max - System
	Hours	744	672	744	720	744	720	744	744	720	744	720	744	8,760	
	Load Factor	60.5218%	73.1962%	54.4566%	62.9356%	51.2684%	44.3504%	48.6232%	46.3174%	44.3088%	59.3382%	61.9613%	66.3443%	45.8342% Non-CP	
	Coincident Factor	98.6394%	86.4520%	79.5936%	75.0903%	82.3501%	84.7747%	86.0084%	82.6235%	69.8224%	75.3385%	93.1667%	83.3418%	90.9652% CP	
	Total Kwh - Rate 10 Actual	81,869,390	84,549,215	84,807,516	62,839,515	50,321,453	47,704,293	58,991,056	66,086,813	50,826,771	53,371,961	56,917,907	71,270,963	769,556,853	

1/ Weighted to reflect the total customers in each tier.

	Total Customers	
	in Tiers	% of Total
Tier 1/Strata 1	15,507	25.0052%
Tier 2/Strata 2	15,504	25.0004%
Tier 3/Strata 3	15,501	24.9956%
Tier 4/Strata 4	15,503	24.9988%
	62,015	100.000%

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Residential Service Rate 100 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
1	Strata 1											
2	January	414	99,044.890	223.290	216.300	744	59.6197%	31	239.239	0.539	0.522	59.6582%
3	February	414	100,788.320	226.437	169.326	672	66.2359%	28	243.450	0.547	0.409	66.2298%
4	March	414	92,737.100	234.560	177.400	744	53.1406%	31	224.003	0.567	0.429	53.1004%
5	April	414	78,151.821	179.201	112.530	720	60.5712%	30	188.773	0.433	0.272	60.5507%
6	May	414	77,425.748	200.410	173.710	744	51.9270%	31	187.019	0.484	0.420	51.9359%
7	June	414	93,223.693	308.626	242.490	720	41.9528%	30	225.178	0.745	0.586	41.9795%
8	July	414	135,130.445	403.660	310.615	744	44.9950%	31	326.402	0.975	0.750	44.9961%
9	August	414	113,164.010	349.930	264.030	744	43.4665%	31	273.343	0.845	0.638	43.4789%
10	September	414	90,900.050	275.210	176.000	720	45.8741%	30	219.565	0.665	0.425	45.8574%
11	October	414	87,289.550	189.770	127.230	744	61.8247%	31	210.844	0.458	0.307	61.8761%
12	November	414	89,568.923	206.730	182.640	720	60.1757%	30	216.350	0.499	0.441	60.2177%
13	December	414	101,488.490	235.861	147.610	744	57.8346%	31	245.141	0.570	0.357	57.8054%
14												
15												
16	Strata 2											
17	January	414	246,712.250	583.080	583.080	744	56.8708%	31	595.923	1.408	1.408	56.8872%
18	February	414	258,281.300	554.160	461.772	672	69.3567%	28	623.868	1.339	1.115	69.3335%
19	March	414	226,978.590	556.360	412.550	744	54.8348%	31	548.257	1.344	0.996	54.8292%
20	April	414	179,456.865	391.622	278.900	720	63.6444%	30	433.471	0.946	0.674	63.6409%
21	May	414	175,273.844	527.830	408.940	744	44.6324%	31	423.367	1.275	0.988	44.6307%
22	June	414	211,687.880	754.170	651.063	720	38.9847%	30	511.323	1.822	1.573	38.9775%
23	July	414	309,217.300	951.956	807.460	744	43.6590%	31	746.902	2.299	1.950	43.6668%
24	August	414	258,618.000	832.800	674.370	744	41.7393%	31	624.681	2.012	1.629	41.7309%
25	September	414	205,546.106	718.350	474.010	720	39.7412%	30	496.488	1.735	1.145	39.7445%
26	October	414	203,771.450	456.780	289.200	744	59.9602%	31	492.202	1.103	0.699	59.9784%
27	November	414	217,445.566	501.820	458.548	720	60.1825%	30	525.231	1.212	1.108	60.1887%
28	December	414	251,593.190	561.810	403.880	744	60.1917%	31	607.713	1.357	0.976	60.1930%
29												
30												

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Residential Service Rate 100 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
31	Strata 3											
32	January	414	402,388.780	922.020	922.020	744	58.6587%	31	971.954	2.227	2.227	58.6614%
33	February	414	418,256.390	915.900	694.436	672	67.9556%	28	1,010.281	2.212	1.677	67.9654%
34	March	414	375,893.784	948.640	649.540	744	53.2587%	31	907.956	2.291	1.569	53.2680%
35	April	414	291,704.569	671.325	459.560	720	60.3501%	30	704.600	1.622	1.110	60.3336%
36	May	414	278,893.678	879.620	700.780	744	42.6158%	31	673.656	2.125	1.693	42.6095%
37	June	414	335,922.290	1,079.900	915.530	720	43.2039%	30	811.406	2.608	2.211	43.2114%
38	July	414	467,015.930	1,326.620	1,117.465	744	47.3165%	31	1,128.058	3.204	2.699	47.3223%
39	August	414	401,424.530	1,230.375	1,011.990	744	43.8524%	31	969.624	2.972	2.444	43.8512%
40	September	414	321,971.920	1,121.100	792.377	720	39.8879%	30	777.710	2.708	1.914	39.8875%
41	October	414	319,374.167	715.950	485.320	744	59.9576%	31	771.435	1.729	1.172	59.9696%
42	November	414	350,668.416	802.520	744.345	720	60.6888%	30	847.025	1.938	1.798	60.7030%
43	December	414	412,338.960	877.078	643.610	744	63.1893%	31	995.988	2.119	1.555	63.1757%
44												
45												
46	Strata 4											
47	January	414	1,005,665.190	2,167.050	2,121.010	744	62.3751%	31	2,429.143	5.234	5.123	62.3802%
48	February	414	1,107,544.060	2,135.237	1,987.767	672	77.1873%	28	2,675.227	5.158	4.801	77.1809%
49	March	414	890,832.940	2,176.050	1,876.990	744	55.0243%	31	2,151.770	5.256	4.534	55.0260%
50	April	414	578,151.261	1,245.660	1,017.277	720	64.4628%	30	1,396.501	3.009	2.457	64.4594%
51	May	414	488,372.111	1,066.050	918.300	744	61.5744%	31	1,179.643	2.575	2.218	61.5744%
52	June	414	468,853.770	1,332.540	1,136.970	720	48.8680%	30	1,132.497	3.219	2.746	48.8634%
53	July	414	607,581.289	1,516.965	1,376.125	744	53.8339%	31	1,467.588	3.664	3.324	53.8364%
54	August	414	540,456.554	1,399.110	1,199.520	744	51.9202%	31	1,305.451	3.379	2.897	51.9277%
55	September	414	483,618.847	1,339.518	969.550	720	50.1444%	30	1,168.161	3.236	2.342	50.1374%
56	October	414	659,828.706	1,515.330	1,266.040	744	58.5263%	31	1,593.789	3.660	3.058	58.5298%
57	November	414	820,791.125	1,803.250	1,701.930	720	63.2185%	30	1,982.587	4.356	4.111	63.2138%
58	December	414	1,002,213.718	1,906.208	1,788.710	744	70.6671%	31	2,420.806	4.604	4.321	70.6727%
59												
60												

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Residential Service Rate 100 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
61	Total											
62	January	1,656	1,753,811.110	3,895.440	3,842.410	744	60.5137%	31	1,059.065	2.352	2.320	60.5219%
63	February	1,656	1,884,870.070	3,831.734	3,313.301	672	73.2010%	28	1,138.207	2.314	2.001	73.1962%
64	March	1,656	1,586,442.414	3,915.610	3,116.480	744	54.4568%	31	957.997	2.364	1.882	54.4683%
65	April	1,656	1,127,464.516	2,487.808	1,868.267	720	62.9439%	30	680.836	1.502	1.128	62.9564%
66	May	1,656	1,019,965.380	2,673.910	2,201.730	744	51.2703%	31	615.921	1.615	1.330	51.2601%
67	June	1,656	1,109,687.633	3,475.236	2,946.053	720	44.3490%	30	670.101	2.099	1.779	44.3400%
68	July	1,656	1,518,944.964	4,199.201	3,611.665	744	48.6186%	31	917.237	2.536	2.181	48.6138%
69	August	1,656	1,313,663.094	3,812.215	3,149.910	744	46.3163%	31	793.275	2.302	1.902	46.3175%
70	September	1,656	1,102,036.923	3,454.178	2,411.937	720	44.3118%	30	665.481	2.086	1.456	44.3087%
71	October	1,656	1,270,263.873	2,877.830	2,167.790	744	59.3275%	31	767.068	1.738	1.309	59.3214%
72	November	1,656	1,478,474.029	3,314.320	3,087.463	720	61.9565%	30	892.798	2.001	1.864	61.9689%
73	December	1,656	1,767,634.359	3,580.957	2,983.810	744	66.3469%	31	1,067.412	2.162	1.802	66.3596%
			<u>16,933,258.365</u>									

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Small General Rate 200 Load Study Results
Twelve Months Ending December 31, 2019**

		January	February	March	April	May	June	July	August	September	October	November	December		
	Total Rate 200 Customers	9,910	9,871	9,872	9,888	9,888	9,928	9,949	9,939	9,954	9,975	9,931	9,927	9,919	Average
Strata 1	Average KWH	69,543	67,480	62,748	48,632	44,882	40,417	49,560	46,691	47,837	58,112	61,189	72,107		
	Average Non-Coincident Peak	0.135	0.130	0.196	0.105	0.104	0.091	0.111	0.099	0.100	0.123	0.135	0.153		
	Average Coincident Peak	0.108	0.099	0.098	0.086	0.073	0.071	0.060	0.083	0.062	0.088	0.126	0.109		
	Total KWH 1/	172,389	166,617	154,949	120,286	111,010	100,371	123,337	116,080	119,109	144,998	152,002	179,052	1,660,200	Total
	Total Non-Coincident Peak 1/	335	321	484	260	257	226	276	246	249	307	335	380		
	Total Coincident Peak 1/	268	244	242	213	181	176	149	206	154	220	313	271		
Strata 2	Average KWH	361,340	379,683	337,838	248,867	232,385	206,282	248,583	244,390	229,984	275,486	296,217	345,433		
	Average Non-Coincident Peak	0.664	0.725	0.662	0.535	0.514	0.501	0.518	0.561	0.490	0.557	0.586	0.626		
	Average Coincident Peak	0.649	0.625	0.553	0.535	0.397	0.418	0.428	0.515	0.346	0.543	0.520	0.584		
	Total KWH 1/	894,919	936,648	833,504	614,993	574,263	511,820	618,080	607,044	572,123	686,762	735,186	856,990	8,442,332	Total
	Total Non-Coincident Peak 1/	1,645	1,789	1,633	1,322	1,270	1,243	1,288	1,393	1,219	1,389	1,454	1,553		
	Total Coincident Peak 1/	1,607	1,542	1,364	1,322	981	1,037	1,064	1,279	861	1,354	1,291	1,449		
Strata 3	Average KWH	941,332	1,002,093	876,180	653,514	597,135	566,391	744,372	678,382	591,512	681,182	779,226	905,968		
	Average Non-Coincident Peak	2.104	2.068	1.991	1.552	1.505	1.764	1.973	2.007	1.755	1.584	1.695	1.988		
	Average Coincident Peak	1.622	2.022	1.822	1.510	1.368	1.641	1.493	1.917	1.086	1.584	1.358	1.648		
	Total KWH 1/	2,331,366	2,472,084	2,161,686	1,614,944	1,475,622	1,405,310	1,850,817	1,685,043	1,471,483	1,698,127	1,933,973	2,247,631	22,348,086	Total
	Total Non-Coincident Peak 1/	5,211	5,102	4,912	3,835	3,719	4,377	4,906	4,985	4,366	3,949	4,207	4,932		
	Total Coincident Peak 1/	4,017	4,988	4,495	3,731	3,381	4,072	3,712	4,762	2,702	3,949	3,370	4,089		
Strata 4	Average KWH	2,313,331	2,434,737	2,208,170	1,726,724	1,593,806	1,506,339	1,927,208	1,773,873	1,558,162	1,818,676	1,966,939	2,276,611		
	Average Non-Coincident Peak	5.256	5.375	5.169	4.179	4.283	4.917	7.409	8.483	6.653	4.502	4.481	4.975		
	Average Coincident Peak	3.947	5.127	4.723	4.179	4.086	4.504	3.821	5.046	2.902	4.502	3.079	4.528		
	Total KWH 1/	5,731,919	6,008,995	5,450,374	4,268,940	3,940,330	3,739,152	4,793,985	4,408,125	3,877,920	4,535,831	4,883,965	5,650,612	57,290,148	Total
	Total Non-Coincident Peak 1/	13,023	13,266	12,759	10,332	10,589	12,205	18,430	21,080	16,558	11,228	11,126	12,348		
	Total Coincident Peak 1/	9,780	12,654	11,658	10,332	10,102	11,180	9,505	12,539	7,222	11,228	7,645	11,239		
Total	Total Kwh - 4 Stratas	9,130,593	9,584,344	8,600,513	6,619,163	6,101,225	5,756,653	7,386,219	6,816,292	6,040,635	7,065,718	7,705,126	8,934,285	89,740,766	Total
	Kwh Scaled to Per Books	9,172,745	9,628,591	8,640,218	6,649,721	6,129,392	5,783,229	7,420,318	6,847,760	6,068,522	7,098,337	7,740,697	8,975,529	90,155,059	
	Total Non-Coincident Peak	20,214	20,478	19,788	15,749	15,835	18,051	24,900	27,704	22,392	16,873	17,122	19,213	27,704	Max
	Total Coincident Peak	15,672	19,428	17,759	15,598	14,645	16,465	14,430	18,786	10,939	16,751	12,619	17,048	19,428	Max - System
	Hours	744	672	744	720	744	720	744	744	720	744	720	744	8,760	
	Load Factor	60.7119%	69.6475%	58.4184%	58.3738%	51.7876%	44.2931%	39.8703%	33.0699%	37.4677%	56.2848%	62.5018%	62.5017%	36.9780%	Non-CP
	Coincident Factor	77.5304%	94.8725%	89.7463%	99.0412%	92.4850%	91.2138%	57.9518%	67.8097%	48.8523%	99.2770%	73.7005%	88.7316%	70.1271%	CP
	Total Kwh - Rate 200 Actual	9,478,788	9,471,225	9,942,934	7,624,171	6,380,151	5,867,165	6,614,342	7,064,749	6,029,353	6,725,230	6,829,967	8,126,984	90,155,059	

1/ Weighted to reflect the total customers in each tier (not the customers sampled)

	Total Customers	
	in Tiers	% of Total
Tier 1/Strata 1	2,229	25.0140%
Tier 2/Strata 2	2,227	24.9916%
Tier 3/Strata 3	2,227	24.9916%
Tier 4/Strata 4	2,228	25.0028%
	8,911	100.000%

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Small General Service Rate 200 by Strata
Twelve Months Ended December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw		Hours	Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak		Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
1	Strata 1											
2	January	357	24,826.873	48.321	38.551	744	69.0579%	31	69.543	0.135	0.108	69.2384%
3	February	357	24,090.462	46.441	35.239	672	77.1924%	28	67.480	0.130	0.099	77.2436%
4	March	357	22,400.917	69.816	35.138	744	43.1259%	31	62.748	0.196	0.098	43.0300%
5	April	357	17,361.450	37.534	30.641	720	64.2434%	30	48.632	0.105	0.086	64.3280%
6	May	357	16,022.754	37.063	26.088	744	58.1064%	31	44.882	0.104	0.073	58.0051%
7	June	357	14,428.953	32.330	25.521	720	61.9864%	30	40.417	0.091	0.071	61.6865%
8	July	357	17,692.948	39.455	21.382	744	60.2733%	31	49.560	0.111	0.060	60.0116%
9	August	357	16,668.851	35.177	29.701	744	63.6904%	31	46.691	0.099	0.083	63.3906%
10	September	357	17,077.870	35.829	22.009	720	66.2013%	30	47.837	0.100	0.062	66.4403%
11	October	357	20,745.807	43.857	31.583	744	63.5797%	31	58.112	0.123	0.088	63.5021%
12	November	357	21,844.463	48.075	44.846	720	63.1088%	30	61.189	0.135	0.126	62.9516%
13	December	357	25,742.265	54.587	38.819	744	63.3847%	31	72.107	0.153	0.109	63.3451%
14												
15												
16	Strata 2											
17	January	357	128,998.317	237.178	231.828	744	73.1033%	31	361.340	0.664	0.649	73.1434%
18	February	357	135,546.807	258.924	223.246	672	77.9018%	28	379.683	0.725	0.625	77.9317%
19	March	357	120,608.028	236.264	197.458	744	68.6129%	31	337.838	0.662	0.553	68.5926%
20	April	357	88,845.375	191.048	191.048	720	64.5892%	30	248.867	0.535	0.535	64.6072%
21	May	357	82,961.271	183.567	141.746	744	60.7446%	31	232.385	0.514	0.397	60.7676%
22	June	357	73,642.532	178.813	149.282	720	57.2001%	30	206.282	0.501	0.418	57.1862%
23	July	357	88,744.040	185.035	152.875	744	64.4633%	31	248.583	0.518	0.428	64.5013%
24	August	357	87,247.365	200.283	183.710	744	58.5511%	31	244.390	0.561	0.515	58.5528%
25	September	357	82,104.145	174.873	123.593	720	65.2093%	30	229.984	0.490	0.346	65.1882%
26	October	357	98,348.457	198.926	193.897	744	66.4512%	31	275.486	0.557	0.543	66.4770%
27	November	357	105,749.315	209.364	185.681	720	70.1525%	30	296.217	0.586	0.520	70.2069%
28	December	357	123,319.431	223.463	208.353	744	74.1742%	31	345.433	0.626	0.584	74.1680%
29												
30												

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Small General Service Rate 200 by Strata
Twelve Months Ended December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw		Hours	Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak		Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
31	Strata 3											
32	January	357	336,055.591	751.063	579.017	744	60.1398%	31	941.332	2.104	1.622	60.1346%
33	February	357	357,747.298	738.181	721.703	672	72.1181%	28	1,002.093	2.068	2.022	72.1088%
34	March	357	312,796.131	710.828	650.427	744	59.1458%	31	876.180	1.991	1.822	59.1492%
35	April	357	233,304.656	553.920	539.107	720	58.4984%	30	653.514	1.552	1.510	58.4831%
36	May	357	213,177.248	537.430	488.486	744	53.3146%	31	597.135	1.505	1.368	53.3290%
37	June	357	202,201.569	629.789	585.963	720	44.5920%	30	566.391	1.764	1.641	44.5949%
38	July	357	265,740.665	704.374	533.084	744	50.7086%	31	744.372	1.973	1.493	50.7096%
39	August	357	242,182.436	716.636	684.404	744	45.4225%	31	678.382	2.007	1.917	45.4312%
40	September	357	211,169.931	626.611	387.614	720	46.8060%	30	591.512	1.755	1.086	46.8116%
41	October	357	243,181.831	565.615	565.615	744	57.7879%	31	681.182	1.584	1.584	57.8010%
42	November	357	278,183.844	605.165	484.967	720	63.8448%	30	779.226	1.695	1.358	63.8500%
43	December	357	323,430.704	709.815	588.172	744	61.2439%	31	905.968	1.988	1.648	61.2525%
44												
45												
46	Strata 4											
47	January	357	825,859.038	1,876.352	1,409.213	744	59.1587%	31	2,313.331	5.256	3.947	59.1575%
48	February	357	869,201.151	1,918.828	1,830.390	672	67.4085%	28	2,434.737	5.375	5.127	67.4069%
49	March	357	788,316.637	1,845.348	1,686.247	744	57.4182%	31	2,208.170	5.169	4.723	57.4187%
50	April	357	616,440.575	1,491.800	1,491.800	720	57.3916%	30	1,726.724	4.179	4.179	57.3876%
51	May	357	568,988.844	1,529.185	1,458.794	744	50.0116%	31	1,593.806	4.283	4.086	50.0166%
52	June	357	537,763.020	1,755.296	1,608.091	720	42.5508%	30	1,506.339	4.917	4.504	42.5491%
53	July	357	688,013.267	2,644.888	1,364.016	744	34.9636%	31	1,927.208	7.409	3.821	34.9620%
54	August	357	633,272.717	3,028.530	1,801.309	744	28.1052%	31	1,773.873	8.483	5.046	28.1061%
55	September	357	556,264.003	2,375.067	1,036.013	720	32.5291%	30	1,558.162	6.653	2.902	32.5284%
56	October	357	649,267.242	1,607.375	1,607.375	744	54.2917%	31	1,818.676	4.502	4.502	54.2971%
57	November	357	702,197.291	1,599.850	1,099.065	720	60.9603%	30	1,966.939	4.481	3.079	60.9654%
58	December	357	812,750.162	1,775.945	1,616.363	744	61.5113%	31	2,276.611	4.975	4.528	61.5068%
59												
60												

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Small General Service Rate 200 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
61	Total											
62	January	1,428	1,315,739.819	2,912.914	2,258.609	744	60.7113%	31	921.386	2.040	1.582	60.7070%
63	February	1,428	1,386,585.718	2,962.374	2,810.578	672	69.6526%	28	970.998	2.074	1.968	69.6691%
64	March	1,428	1,244,121.713	2,862.256	2,569.270	744	58.4227%	31	871.234	2.004	1.799	58.4338%
65	April	1,428	955,952.056	2,274.302	2,252.596	720	58.3788%	30	669.434	1.593	1.577	58.3659%
66	May	1,428	881,150.116	2,287.245	2,115.114	744	51.7803%	31	617.052	1.602	1.481	51.7710%
67	June	1,428	828,036.074	2,596.228	2,368.857	720	44.2970%	30	579.857	1.818	1.659	44.2991%
68	July	1,428	1,060,190.920	3,573.752	2,071.357	744	39.8737%	31	742.431	2.503	1.451	39.8678%
69	August	1,428	979,371.369	3,980.626	2,699.124	744	33.0692%	31	685.834	2.788	1.890	33.0638%
70	September	1,428	866,615.949	3,212.380	1,569.229	720	37.4686%	30	606.874	2.250	1.099	37.4614%
71	October	1,428	1,011,543.336	2,415.773	2,398.470	744	56.2802%	31	708.364	1.692	1.680	56.2708%
72	November	1,428	1,107,974.913	2,462.454	1,814.559	720	62.4927%	30	775.893	1.724	1.271	62.5075%
73	December	1,428	1,285,242.562	2,763.810	2,451.707	744	62.5034%	31	900.030	1.935	1.717	62.5177%
			<u>12,922,524.544</u>									

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Irrigation Power Service Rate 25 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Line	Total Study Group							2019 System Peak		Results Per Customer in Study Group (Average)			
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	Date	HE	Energy	Peak Demand (Kw)		Load Factor
			Non-Coincident	Coincident							Non-Coincident	Coincident	
1	January	26	6,875.659	31.784	11.293	744	29.0759%	29-Jan	1900	264.45	1.222	0.434	29.0870%
2	February	26	7,011.578	22.744	10.338	672	45.8754%	8-Feb	1000	269.68	0.875	0.398	45.8639%
3	March	26	4,170.961	35.589	13.657	744	15.7523%	4-Mar	0900	160.42	1.369	0.525	15.7501%
4	April	26	3,104.957	49.427	9.206	720	8.7248%	10-Apr	1200	119.42	1.901	0.354	8.7249%
5	May	26	21,405.673	238.510	8.400	744	12.0628%	30-May	1700	823.30	9.173	0.323	12.0635%
6	June	26	53,083.933	307.073	77.568	720	24.0098%	27-Jun	1700	2,041.69	11.811	2.983	24.0088%
7	July	26	67,804.665	371.179	186.380	744	24.5529%	31-Jul	1800	2,607.87	14.276	7.168	24.5531%
8	August	26	75,354.566	402.994	67.099	744	25.1326%	6-Aug	1600	2,898.25	15.500	2.581	25.1322%
9	September	26	20,409.340	202.724	45.477	720	13.9827%	6-Sep	1800	784.97	7.797	1.749	13.9828%
10	October	26	7,532.027	39.956	9.201	744	25.3371%	29-Oct	1200	289.69	1.537	0.354	25.3330%
11	November	26	2,626.333	18.429	10.263	720	19.7932%	11-Nov	1900	101.01	0.709	0.395	19.7873%
12	December	26	5,703.277	25.972	11.909	744	29.5152%	10-Dec	0900	219.36	0.999	0.458	29.5134%
13													
14	Rate 250 per Study		<u>275,082.97</u>	402.994	186.380	<u>8,760</u>	7.7922%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

Line	Month	Calculated Based on Load Study					Adjusted Data				
		Actual Customers	Energy	Peak Demand (Kw)		Hours	Billed Energy	Peak Demand (Kw)		Load Factor	Coincidence Factor
				Non-Coincident	Coincident			Non-Coincident	Coincident		
25											
26											
27											
28	January	32	8,462	39.1	13.9	744	12,890	59.6	21.2	29.0692%	35.5705%
29	February	32	8,630	28.0	12.7	672	13,146	42.7	19.3	45.8138%	45.1991%
30	March	32	5,133	43.8	16.8	744	7,819	66.7	25.6	15.7562%	38.3808%
31	April	32	3,821	60.8	11.3	720	5,820	92.6	17.2	8.7293%	18.5745%
32	May	36	29,639	330.2	11.6	744	45,148	503.0	17.7	12.0642%	3.5189%
33	June	43	87,793	507.9	128.3	720	133,733	773.7	195.4	24.0068%	25.2553%
34	July	48	125,178	685.2	344.1	744	190,680	1,043.7	524.2	24.5559%	50.2252%
35	August	48	139,116	744.0	123.9	744	211,911	1,133.3	188.7	25.1325%	16.6505%
36	September	49	38,464	382.1	85.7	720	58,591	582.0	130.5	13.9822%	22.4227%
37	October	48	13,905	73.8	17.0	744	21,181	112.4	25.9	25.3284%	23.0427%
38	November	39	3,939	27.7	15.4	720	6,000	42.2	23.5	19.7472%	55.6872%
39	December	34	7,458	34.0	15.6	744	11,361	51.8	23.8	29.4791%	45.9459%
40											
41	Rate 250		<u>471,538</u>	744.0	344.1	<u>8,760</u>	<u>718,280</u>	1,133.3	524.2	7.2351%	46.2543%
42											

Total Billed Energy 718,280
Adjustment Factor 152.327066%

Adjusted Data:
12CP 101.1
Non-Coincident Peak 1,133.3
Coincident Peak 524.2 ND 2019 Peak occurred on Jan 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Optional TOD Small General Rate 260 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line	Total Study Group								Results Per Customer in Study Group (Average)					
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
			Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	246	109,490.085	177.446	154.230	744	82.9346%	86.9166%	29-Jan	1900	445.08	0.721	0.627	82.9717%
2	February	246	104,503.467	179.943	158.859	672	86.4224%	88.2830%	8-Feb	1000	424.81	0.731	0.646	86.4785%
3	March	246	112,965.175	178.370	154.912	744	85.1236%	86.8487%	4-Mar	0900	459.21	0.725	0.630	85.1335%
4	April	246	107,016.280	164.775	148.916	720	90.2038%	90.3751%	10-Apr	1200	435.03	0.670	0.605	90.1803%
5	May	247	106,617.798	164.691	149.534	744	87.0137%	90.7969%	30-May	1700	431.65	0.667	0.605	86.9827%
6	June	247	97,735.873	165.090	148.084	720	82.2242%	89.6988%	27-Jun	1700	395.69	0.668	0.600	82.2709%
7	July	247	111,185.424	161.427	151.266	744	92.5764%	93.7057%	31-Jul	1800	450.14	0.654	0.612	92.5118%
8	August	247	110,713.541	164.465	154.375	744	90.4804%	93.8650%	6-Aug	1600	448.23	0.666	0.625	90.4594%
9	September	247	106,664.684	159.353	154.651	720	92.9665%	97.0490%	6-Sep	1800	431.84	0.645	0.626	92.9888%
10	October	247	110,380.312	217.672	146.476	744	68.1580%	67.2921%	29-Oct	1200	446.88	0.881	0.593	68.1777%
11	November	247	108,302.132	175.688	145.469	720	85.6175%	82.7996%	11-Nov	1900	438.47	0.711	0.589	85.6521%
12	December	247	113,144.068	181.902	150.502	744	83.6029%	82.7380%	10-Dec	0900	458.07	0.736	0.609	83.6529%
13														
14	Rate 260 per Study		1,298,718.84	217.672	158.859	8,760	68.1098%	72.9811%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	250	111,270	180.3	156.8	744	117,207	189.9	165.2	82.9575%	86.9932%
29	February	250	106,203	182.8	161.5	672	111,869	192.6	170.1	86.4339%	88.3178%
30	March	250	114,803	181.3	157.5	744	120,928	191.0	165.9	85.0982%	86.8586%
31	April	250	108,758	167.5	151.3	720	114,561	176.4	159.4	90.1998%	90.3628%
32	May	251	108,344	167.4	151.9	744	114,125	176.3	160.0	87.0073%	90.7544%
33	June	251	99,318	167.7	150.6	720	104,617	176.6	158.6	82.2771%	89.8075%
34	July	253	113,885	165.5	154.8	744	119,961	174.3	163.1	92.5060%	93.5743%
35	August	251	112,506	167.2	156.9	744	118,509	176.1	165.3	90.4522%	93.8671%
36	September	250	107,960	161.3	156.5	720	113,720	169.9	164.8	92.9632%	96.9982%
37	October	252	112,614	222.0	149.4	744	118,622	233.8	157.4	68.1943%	67.3225%
38	November	252	110,494	179.2	148.4	720	116,389	188.8	156.3	85.6204%	82.7860%
39	December	252	115,434	185.5	153.5	744	121,593	195.4	161.7	83.6394%	82.7533%
40											
41	Rate 260		1,321,589	222.0	161.5	8,760	1,392,101	233.8	170.1	67.9708%	72.7545%

Total Billed Energy 1,392,101
Adjustment Factor 105.335395%

Adjusted Data:
12CP 162.3
Non-Coincident Peak 233.8
Coincident Peak 170.1 ND 2019 Peak occurred on Jan 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
General Primary Service Rate 300 Load Data
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line	Total Study Group								Results Per Customer in Study Group (Average)					
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
			Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	30	12,611,048.460	26,542.432	18,662.507	744	63.8613%	70.3120%	29-Jan	1900	420,368.28	884.748	622.084	63.8612%
2	February	30	12,542,106.102	40,340.128	18,085.548	672	46.2662%	44.8326%	8-Feb	1000	418,070.20	1,344.671	602.852	46.2662%
3	March	30	12,392,457.400	26,404.787	22,579.358	744	63.0815%	85.5124%	4-Mar	0900	413,081.91	880.160	752.645	63.0814%
4	April	30	10,359,585.897	25,619.161	22,716.010	720	56.1623%	88.6680%	10-Apr	1200	345,319.53	853.972	757.200	56.1623%
5	May	30	10,098,502.435	22,990.212	17,717.590	744	59.0393%	77.0658%	30-May	1700	336,616.75	766.340	590.586	59.0393%
6	June	30	9,913,466.645	24,917.379	18,848.254	720	55.2574%	75.6430%	27-Jun	1700	330,448.89	830.579	628.275	55.2575%
7	July	30	11,084,088.423	23,952.506	16,380.185	744	62.1980%	68.3861%	31-Jul	1800	369,469.61	798.417	546.006	62.1979%
8	August	30	10,622,868.850	24,248.827	19,663.698	744	58.8814%	81.0913%	6-Aug	1600	354,095.63	808.294	655.457	58.8814%
9	September	30	10,437,469.711	23,395.614	16,383.118	720	61.9624%	70.0265%	6-Sep	1800	347,915.66	779.854	546.104	61.9624%
10	October	30	9,421,223.726	21,770.724	18,489.755	744	58.1650%	84.9294%	29-Oct	1200	314,040.79	725.691	616.325	58.1650%
11	November	30	8,995,919.150	21,324.713	19,917.410	720	58.5909%	93.4006%	11-Nov	1900	299,863.97	710.824	663.914	58.5908%
12	December	30	9,120,205.314	23,294.648	15,771.968	744	52.6230%	67.7064%	10-Dec	0900	304,006.84	776.488	525.732	52.6230%
13														
14	Rate 300 per Study		127,598,942.11	40,340.128	22,716.010	8,760	36.1082%	56.3112%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	36	15,133,258	31,850.9	22,395.0	744	21,341,001	44,916.3	31,581.5	63.8613%	70.3119%
29	February	35	14,632,457	47,063.5	21,099.8	672	20,634,769	66,369.2	29,755.1	46.2662%	44.8327%
30	March	35	14,457,867	30,805.6	26,342.6	744	20,388,561	43,442.2	37,148.5	63.0815%	85.5125%
31	April	35	12,086,184	29,889.0	26,502.0	720	17,044,001	42,149.6	37,373.3	56.1624%	88.6682%
32	May	36	12,118,203	27,588.2	21,261.1	744	17,089,155	38,905.0	29,982.5	59.0394%	77.0659%
33	June	35	11,565,711	29,070.3	21,989.6	720	16,310,027	40,995.1	31,009.9	55.2574%	75.6429%
34	July	35	12,931,436	27,944.6	19,110.2	744	18,235,980	39,407.6	26,949.3	62.1980%	68.3860%
35	August	35	12,393,347	28,290.3	22,941.0	744	17,477,164	39,895.1	32,351.5	58.8814%	81.0914%
36	September	36	12,524,964	28,074.7	19,659.7	720	17,662,771	39,591.1	27,724.2	61.9625%	70.0263%
37	October	35	10,991,428	25,399.2	21,571.4	744	15,500,170	35,818.1	30,420.1	58.1649%	84.9294%
38	November	35	10,495,239	24,878.8	23,237.0	720	14,800,442	35,084.2	32,768.9	58.5910%	93.4007%
39	December	37	11,248,253	28,730.1	19,452.1	744	15,862,346	40,515.3	27,431.5	52.6230%	67.7065%
40											
41	Rate 300		150,578,347	47,063.5	26,502.0	8,760	212,346,387	66,369.2	37,373.3	36.5237%	56.3112%

Total Billed Energy 212,346,389
Adjustment Factor 141.020534%

Adjusted Data:
12CP 31,208.0
Non-Coincident Peak 66,369.2
Coincident Peak 37,373.3 ND 2019 Peak occurred on Jan. 29- HE 19:00

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
General Rate 301 Load Study Results
Twelve Months Ending December 31, 2019**

		January	February	March	April	May	June	July	August	September	October	November	December		
	Total Rate 301 Customers	4,436	4,432	4,448	4,481	4,514	4,496	4,503	4,508	4,503	4,506	4,502	4,511	4,487	Average
Strata 1	Average KWH	1,854.664	1,873.046	1,680.574	1,342.192	1,272.954	1,126.025	1,481.227	1,465.241	1,377.519	1,450.498	1,525.842	1,738.504		
	Average Non-Coincident Peak	4.188	4.244	3.962	3.444	3.416	3.677	4.052	3.955	4.190	3.521	3.490	4.028		
	Average Coincident Peak	3.139	3.865	3.435	3.214	3.260	3.378	3.121	3.935	2.584	3.307	2.392	3.271		
	Total KWH 1/	2,057,834	2,076,356	1,869,718	1,504,330	1,437,235	1,266,275	1,668,312	1,652,139	1,551,505	1,634,790	1,718,180	1,961,563	20,398,237	Total
	Total Non-Coincident Peak 1/	4,647	4,705	4,408	3,860	3,857	4,135	4,564	4,459	4,719	3,968	3,930	4,545		
	Total Coincident Peak 1/	3,483	4,285	3,822	3,602	3,681	3,799	3,515	4,437	2,910	3,727	2,694	3,691		
Strata 2	Average KWH	4,580.187	4,628.578	4,352.445	3,605.557	3,361.907	3,294.387	4,220.812	4,013.906	3,757.269	3,867.341	4,015.913	4,537.799		
	Average Non-Coincident Peak	10.318	10.139	9.800	8.564	8.829	10.023	10.625	10.450	10.735	8.615	8.736	9.539		
	Average Coincident Peak	7.833	9.538	8.559	8.564	8.766	9.294	8.973	10.291	7.871	8.603	6.344	9.003		
	Total KWH 1/	5,076,928	5,125,941	4,837,538	4,037,138	3,792,045	3,701,069	4,749,241	4,521,446	4,227,665	4,354,416	4,517,686	5,114,985	54,056,098	Total
	Total Non-Coincident Peak 1/	11,437	11,228	10,892	9,589	9,959	11,260	11,955	11,771	12,079	9,700	9,828	10,752		
	Total Coincident Peak 1/	8,683	10,563	9,513	9,589	9,888	10,441	10,096	11,592	8,856	9,687	7,137	10,148		
Strata 3	Average KWH	9,056.671	9,080.928	8,815.729	7,616.724	7,421.625	7,206.888	9,010.175	8,516.041	7,424.027	7,937.271	8,137.561	8,769.171		
	Average Non-Coincident Peak	18.548	18.788	18.681	16.204	18.534	20.625	20.763	21.035	19.558	16.913	16.822	17.674		
	Average Coincident Peak	14.718	17.422	16.356	16.204	18.534	19.514	18.418	20.522	14.814	16.500	12.802	16.621		
	Total KWH 1/	10,038,907	10,056,718	9,798,268	8,528,437	8,371,183	8,096,557	10,138,214	9,592,856	8,353,486	8,936,937	9,154,319	9,884,567	110,950,449	Total
	Total Non-Coincident Peak 1/	20,560	20,807	20,763	18,144	20,905	23,171	23,362	23,695	22,007	19,043	18,924	19,922		
	Total Coincident Peak 1/	16,314	19,294	18,179	18,144	20,905	21,923	20,724	23,117	16,669	18,578	14,402	18,735		
Strata 4	Average KWH	40,298.175	39,146.458	39,280.191	35,971.467	35,169.265	34,527.554	42,861.018	41,469.139	38,438.433	38,444.620	38,836.894	40,590.785		
	Average Non-Coincident Peak	76.475	77.690	76.325	71.541	77.887	81.199	85.761	85.321	88.976	74.982	74.450	76.259		
	Average Coincident Peak	67.697	72.285	72.048	65.620	70.787	75.711	75.064	84.663	67.890	70.452	62.698	72.674		
	Total KWH 1/	44,712,664	43,395,616	43,701,063	40,316,862	39,708,042	38,828,065	48,274,530	46,758,714	43,293,356	43,329,172	43,732,430	45,798,780	521,849,294	Total
	Total Non-Coincident Peak 1/	84,853	86,123	84,915	80,183	87,939	91,313	96,593	96,204	100,214	84,509	83,835	86,043		
	Total Coincident Peak 1/	75,113	80,131	80,157	73,547	79,922	85,141	84,545	95,462	76,465	79,403	70,601	81,998		
Total	Total Kwh - 4 Stratas	61,886,333	60,654,631	60,206,587	54,386,767	53,308,505	51,891,966	64,830,297	62,525,155	57,426,012	58,255,315	59,122,615	62,759,895	707,254,078	Total
	Kwh Scaled to Per Books	63,908,603	62,636,653	62,173,968	56,163,972	55,050,476	53,587,648	66,948,767	64,568,300	59,302,531	60,158,934	61,054,575	64,810,711	730,365,138	
	Total Non-Coincident Peak	121,497	122,863	120,978	111,776	122,660	129,879	136,474	136,129	139,019	117,220	116,517	121,262	139,019	Max
	Total Coincident Peak	103,593	114,273	111,671	104,882	114,396	121,304	118,880	134,608	104,900	111,395	94,834	114,572	134,608	Max - System
	Hours	744	672	744	720	744	720	744	744	720	744	720	744	8,760	
	Load Factor	68.4631%	73.4638%	66.8905%	67.5791%	58.4145%	55.4918%	63.8492%	61.7350%	57.3723%	66.7976%	70.4745%	69.5640%	58.0761% Non-CP	
	Coincident Factor	85.2638%	93.0085%	92.3069%	93.8323%	93.2627%	93.3977%	87.1082%	98.8827%	75.4573%	95.0307%	81.3907%	94.4830%	96.8271% CP	
	Total Kwh - Rate 301 Actual	67,893,779	58,945,004	66,821,095	59,757,454	55,327,516	53,310,724	62,691,334	65,183,835	58,826,218	62,800,536	52,774,302	66,033,341	730,365,138	

1/ Weighted to reflect the total customers in each tier (not the customers sampled)

	Total Customers	
	in Tiers	% of Total
Tier 1/Strata 1	1,017	25.0123%
Tier 2/Strata 2	1,016	24.9877%
Tier 3/Strata 3	1,016	24.9877%
Tier 4/Strata 4	1,017	25.0123%
	4,066	100.000%

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
General Service Rate 301 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
1	Strata 1											
2	January	300	556,399.153	1,256.491	941.659	744	59.5188%	31	1,854.664	4.188	3.139	59.5231%
3	February	300	561,913.927	1,273.103	1,159.457	672	65.6806%	28	1,873.046	4.244	3.865	65.6756%
4	March	300	504,172.256	1,188.511	1,030.583	744	57.0168%	31	1,680.574	3.962	3.435	57.0125%
5	April	300	402,657.577	1,033.106	964.119	720	54.1326%	30	1,342.192	3.444	3.214	54.1276%
6	May	300	381,886.147	1,024.682	978.117	744	50.0924%	31	1,272.954	3.416	3.260	50.0866%
7	June	300	337,807.598	1,103.064	1,013.533	720	42.5340%	30	1,126.025	3.677	3.378	42.5326%
8	July	300	444,368.086	1,215.701	936.449	744	49.1296%	31	1,481.227	4.052	3.121	49.1337%
9	August	300	439,572.352	1,186.540	1,180.619	744	49.7938%	31	1,465.241	3.955	3.935	49.7954%
10	September	300	413,255.648	1,257.001	775.228	720	45.6616%	30	1,377.519	4.190	2.584	45.6616%
11	October	300	435,149.433	1,056.222	992.058	744	55.3746%	31	1,450.498	3.521	3.307	55.3705%
12	November	300	457,752.553	1,047.049	717.667	720	60.7199%	30	1,525.842	3.490	2.392	60.7228%
13	December	300	521,551.239	1,208.361	981.380	744	58.0133%	31	1,738.504	4.028	3.271	58.0114%
14												
15												
16	Strata 2											
17	January	300	1,374,056.145	3,095.314	2,349.881	744	59.6660%	31	4,580.187	10.318	7.833	59.6643%
18	February	300	1,388,573.366	3,041.687	2,861.482	672	67.9337%	28	4,628.578	10.139	9.538	67.9334%
19	March	300	1,305,733.526	2,940.086	2,567.823	744	59.6927%	31	4,352.445	9.800	8.559	59.6945%
20	April	300	1,081,667.088	2,569.167	2,569.167	720	58.4748%	30	3,605.557	8.564	8.564	58.4741%
21	May	300	1,008,572.052	2,648.614	2,629.715	744	51.1818%	31	3,361.907	8.829	8.766	51.1801%
22	June	300	988,316.037	3,006.868	2,788.235	720	45.6509%	30	3,294.387	10.023	9.294	45.6504%
23	July	300	1,266,243.471	3,187.351	2,691.979	744	53.3967%	31	4,220.812	10.625	8.973	53.3942%
24	August	300	1,204,171.832	3,134.893	3,087.311	744	51.6289%	31	4,013.906	10.450	10.291	51.6271%
25	September	300	1,127,180.728	3,220.586	2,361.324	720	48.6101%	30	3,757.269	10.735	7.871	48.6114%
26	October	300	1,160,202.279	2,584.460	2,580.988	744	60.3380%	31	3,867.341	8.615	8.603	60.3371%
27	November	300	1,204,774.040	2,620.756	1,903.329	720	63.8479%	30	4,015.913	8.736	6.344	63.8468%
28	December	300	1,361,339.769	2,861.574	2,700.794	744	63.9424%	31	4,537.799	9.539	9.003	63.9395%
29												
30												

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
General Service Rate 301 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
31	Strata 3											
32	January	300	2,717,001.410	5,564.367	4,415.267	744	65.6298%	31	9,056.671	18.548	14.718	65.6294%
33	February	300	2,724,278.524	5,636.462	5,226.528	672	71.9243%	28	9,080.928	18.788	17.422	71.9251%
34	March	300	2,644,718.837	5,604.337	4,906.670	744	63.4282%	31	8,815.729	18.681	16.356	63.4286%
35	April	300	2,285,017.088	4,861.288	4,861.288	720	65.2838%	30	7,616.724	16.204	16.204	65.2850%
36	May	300	2,226,487.469	5,560.271	5,560.271	744	53.8210%	31	7,421.625	18.534	18.534	53.8216%
37	June	300	2,162,066.369	6,187.386	5,854.236	720	48.5321%	30	7,206.888	20.625	19.514	48.5312%
38	July	300	2,703,052.385	6,228.894	5,525.433	744	58.3271%	31	9,010.175	20.763	18.418	58.3271%
39	August	300	2,554,812.393	6,310.592	6,156.588	744	54.4147%	31	8,516.041	21.035	20.522	54.4155%
40	September	300	2,227,208.054	5,867.345	4,444.257	720	52.7214%	30	7,424.027	19.558	14.814	52.7209%
41	October	300	2,381,181.326	5,073.954	4,950.087	744	63.0773%	31	7,937.271	16.913	16.500	63.0780%
42	November	300	2,441,268.265	5,046.607	3,840.738	720	67.1867%	30	8,137.561	16.822	12.802	67.1868%
43	December	300	2,630,751.337	5,302.345	4,986.167	744	66.6866%	31	8,769.171	17.674	16.621	66.6885%
44												
45												
46	Strata 4											
47	January	300	12,089,452.438	22,942.639	20,309.149	744	70.8256%	31	40,298.175	76.475	67.697	70.8260%
48	February	300	11,743,937.477	23,306.856	21,685.472	672	74.9826%	28	39,146.458	77.690	72.285	74.9822%
49	March	300	11,784,057.358	22,897.390	21,614.481	744	69.1729%	31	39,280.191	76.325	72.048	69.1726%
50	April	300	10,791,440.033	21,462.219	19,685.899	720	69.8349%	30	35,971.467	71.541	65.620	69.8346%
51	May	300	10,550,779.585	23,366.243	21,236.103	744	60.6908%	31	35,169.265	77.887	70.787	60.6912%
52	June	300	10,358,266.204	24,359.695	22,713.279	720	59.0585%	30	34,527.554	81.199	75.711	59.0585%
53	July	300	12,858,305.379	25,728.428	22,519.187	744	67.1734%	31	42,861.018	85.761	75.064	67.1738%
54	August	300	12,440,741.597	25,596.356	25,398.934	744	65.3274%	31	41,469.139	85.321	84.663	65.3275%
55	September	300	11,531,529.798	26,692.888	20,366.984	720	60.0011%	30	38,438.433	88.976	67.890	60.0013%
56	October	300	11,533,386.008	22,494.642	21,135.743	744	68.9136%	31	38,444.620	74.982	70.452	68.9137%
57	November	300	11,651,068.176	22,334.986	18,809.358	720	72.4515%	30	38,836.894	74.450	62.698	72.4515%
58	December	300	12,177,235.541	22,877.551	21,802.202	744	71.5429%	31	40,590.785	76.259	72.674	71.5424%
59												
60												

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
General Service Rate 301 by Strata
Twelve Months Ended December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)	(l)	(m)
				Study Group								
		Sample	Energy	Peak Demand Kw			Load	Days in	Average	Non CP	CP	Average
		Count	Kwh	Non-CP	Coincident Peak	Hours	Factor	Month	Kwh	Avg KW	Avg KW	Load Factor
61	Total											
62	January	1,200	16,736,909.146	32,858.811	28,015.956	744	68.4621%	31	13,947.424	27.382	23.347	68.4630%
63	February	1,200	16,418,703.294	33,258.108	30,932.939	672	73.4636%	28	13,682.253	27.715	25.777	73.4638%
64	March	1,200	16,238,681.977	32,630.324	30,119.557	744	66.8893%	31	13,532.235	27.192	25.100	66.8891%
65	April	1,200	14,560,781.786	29,925.780	28,080.473	720	67.5782%	30	12,133.985	24.938	23.400	67.5786%
66	May	1,200	14,167,725.253	32,599.810	30,404.206	744	58.4134%	31	11,806.438	27.167	25.337	58.4123%
67	June	1,200	13,846,456.208	34,657.013	32,369.283	720	55.4900%	30	11,538.714	28.881	26.974	55.4897%
68	July	1,200	17,271,969.321	36,360.374	31,673.048	744	63.8470%	31	14,393.308	30.300	26.394	63.8477%
69	August	1,200	16,639,298.174	36,228.381	35,823.452	744	61.7324%	31	13,866.082	30.190	29.853	61.7330%
70	September	1,200	15,299,174.228	37,037.820	27,947.793	720	57.3707%	30	12,749.312	30.865	23.290	57.3704%
71	October	1,200	15,509,919.046	31,209.278	29,658.876	744	66.7964%	31	12,924.933	26.008	24.716	66.7957%
72	November	1,200	15,754,863.034	31,049.398	25,271.092	720	70.4740%	30	13,129.053	25.874	21.059	70.4754%
73	December	1,200	16,690,877.886	32,249.831	30,470.543	744	69.5631%	31	13,909.065	26.875	25.392	69.5627%
			<u>189,135,359.353</u>									

Montana-Dakota Utilities Co.
Electric Utility - Montana
Contract Rate Tesoro 303 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line	Total Study Group								Results Per Customer in Study Group (Average)					
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
			Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	1	6,339,437.487	11,565.873	9,394.919	744	73.6715%	81.2297%	29-Jan	1900	6,339,437.49	11,565.873	9,394.919	73.6715%
2	February	1	5,793,139.779	10,819.341	9,835.898	672	79.6790%	90.9103%	8-Feb	1000	5,793,139.78	10,819.341	9,835.898	79.6790%
3	March	1	6,875,425.244	11,692.265	11,226.243	744	79.0366%	96.0143%	4-Mar	0900	6,875,425.24	11,692.265	11,226.243	79.0366%
4	April	1	6,567,199.343	11,543.295	11,543.295	720	79.0165%	100.0000%	10-Apr	1200	6,567,199.34	11,543.295	11,543.295	79.0165%
5	May	1	6,766,135.272	9,795.843	9,363.851	744	92.8380%	95.5900%	30-May	1700	6,766,135.27	9,795.843	9,363.851	92.8380%
6	June	1	6,905,795.252	10,526.167	10,249.734	720	91.1194%	97.3738%	27-Jun	1700	6,905,795.25	10,526.167	10,249.734	91.1194%
7	July	1	6,923,386.377	10,270.278	9,876.362	744	90.6074%	96.1645%	31-Jul	1800	6,923,386.38	10,270.278	9,876.362	90.6074%
8	August	1	7,551,040.268	10,816.373	10,011.448	744	93.8323%	92.5583%	6-Aug	1600	7,551,040.27	10,816.373	10,011.448	93.8323%
9	September	1	7,187,769.180	12,734.829	10,317.381	720	78.3914%	81.0170%	6-Sep	1800	7,187,769.18	12,734.829	10,317.381	78.3914%
10	October	1	6,991,871.792	10,603.034	8,865.130	744	88.6320%	83.6094%	29-Oct	1200	6,991,871.79	10,603.034	8,865.130	88.6320%
11	November	1	6,219,852.808	12,428.666	10,690.277	720	69.5061%	86.0131%	11-Nov	1900	6,219,852.81	12,428.666	10,690.277	69.5061%
12	December	1	8,379,174.684	13,082.395	10,383.896	744	86.0877%	79.3731%	10-Dec	0900	8,379,174.68	13,082.395	10,383.896	86.0877%
13														
14	Rate 303 per Study		82,500,227.49	13,082.395	11,543.295	8,760	71.9886%	88.2353%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)			
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Load Factor	Coincidence Factor
27											
28	January	1	6,339,437	11,565.9	9,394.9	744	6,199,065	11,309.8	9,186.9	73.6713%	81.2296%
29	February	1	5,793,140	10,819.3	9,835.9	672	5,664,864	10,579.7	9,618.1	79.6795%	90.9109%
30	March	1	6,875,425	11,692.3	11,226.2	744	6,723,185	11,433.4	10,977.6	79.0363%	96.0134%
31	April	1	6,567,199	11,543.3	11,543.3	720	6,421,784	11,287.7	11,287.7	79.0165%	100.0000%
32	May	1	6,766,135	9,795.8	9,363.9	744	6,616,315	9,578.9	9,156.6	92.8384%	95.5914%
33	June	1	6,905,795	10,526.2	10,249.7	720	6,752,882	10,293.1	10,022.7	91.1193%	97.3730%
34	July	1	6,923,386	10,270.3	9,876.4	744	6,770,084	10,042.9	9,657.7	90.6070%	96.1645%
35	August	1	7,551,040	10,816.4	10,011.4	744	7,383,840	10,576.9	9,789.7	93.8320%	92.5574%
36	September	1	7,187,769	12,734.8	10,317.4	720	7,028,613	12,452.8	10,088.9	78.3917%	81.0171%
37	October	1	6,991,872	10,603.0	8,865.1	744	6,837,053	10,368.2	8,668.8	88.6324%	83.6095%
38	November	1	6,219,853	12,428.7	10,690.3	720	6,082,129	12,153.5	10,453.6	69.5059%	86.0131%
39	December	1	8,379,175	13,082.4	10,383.9	744	8,193,638	12,792.7	10,154.0	86.0878%	79.3734%
40											
41	Rate 303		82,500,226	13,082.4	11,543.3	8,760	80,673,452	12,792.7	11,287.7	71.9887%	88.2355%

Total Billed Energy 80,673,451
Adjustment Factor 97.785733%

Adjusted Data:
12CP 9,921.9
Non-Coincident Peak 12,792.7
Coincident Peak 11,287.7 ND 2019 Peak occurred on Jan. 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
IT Large Power Demand Response Rate 380 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Line	Total Study Group							2019 System Peak		Results Per Customer in Study Group (Average)			
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	Date	HE	Energy	Peak Demand (Kw)		Load Factor
			Non-Coincident	Coincident							Non-Coincident	Coincident	
1	January	2	1,609,410.564	5,832.900	862.200	744	37.0859%	29-Jan	1900	804,705.28	2,916.450	431.100	37.0859%
2	February	2	1,562,323.491	6,287.400	606.600	672	36.9769%	8-Feb	1000	781,161.75	3,143.700	303.300	36.9769%
3	March	2	1,242,946.593	6,134.400	3,611.700	744	27.2337%	4-Mar	0900	621,473.30	3,067.200	1,805.850	27.2337%
4	April	2	1,087,709.175	6,314.400	4,082.400	720	23.9248%	10-Apr	1200	543,854.59	3,157.200	2,041.200	23.9248%
5	May	2	1,409,518.494	6,005.700	3,636.900	744	31.5453%	30-May	1700	704,759.25	3,002.850	1,818.450	31.5453%
6	June	2	1,608,854.742	5,879.700	925.200	720	38.0040%	27-Jun	1700	804,427.37	2,939.850	462.600	38.0040%
7	July	2	1,238,824.773	6,156.900	950.400	744	27.0442%	31-Jul	1800	619,412.39	3,078.450	475.200	27.0442%
8	August	2	2,117,419.155	6,183.900	3,960.900	744	46.0226%	6-Aug	1600	1,058,709.58	3,091.950	1,980.450	46.0226%
9	September	2	1,373,905.794	6,114.798	898.335	720	31.2063%	6-Sep	1800	686,952.90	3,057.399	449.168	31.2063%
10	October	2	1,940,454.882	6,264.900	3,592.800	744	41.6310%	29-Oct	1200	970,227.44	3,132.450	1,796.400	41.6310%
11	November	2	1,841,130.153	6,074.100	3,449.700	720	42.0988%	11-Nov	1900	920,565.08	3,037.050	1,724.850	42.0988%
12	December	2	1,557,024.561	6,092.100	582.300	744	34.3523%	10-Dec	0900	778,512.28	3,046.050	291.150	34.3523%
13													
14	Rate 380 per Study		<u>18,589,522.38</u>	6,314.400	4,082.400	<u>8,760</u>	33.6072%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	2	1,609,411	5,832.9	862.2	744	1,579,644	5,725.0	846.3	37.0861%	14.7825%
29	February	2	1,562,324	6,287.4	606.6	672	1,533,428	6,171.1	595.4	36.9770%	9.6482%
30	March	2	1,242,947	6,134.4	3,611.7	744	1,219,958	6,020.9	3,544.9	27.2339%	58.8766%
31	April	2	1,087,709	6,314.4	4,082.4	720	1,067,591	6,197.6	4,006.9	23.9248%	64.6524%
32	May	2	1,409,519	6,005.7	3,636.9	744	1,383,449	5,894.6	3,569.6	31.5454%	60.5571%
33	June	2	1,608,855	5,879.7	925.2	720	1,579,098	5,771.0	908.1	38.0037%	15.7356%
34	July	2	1,238,825	6,156.9	950.4	744	1,215,912	6,043.0	932.8	27.0444%	15.4360%
35	August	2	2,117,419	6,183.9	3,960.9	744	2,078,256	6,069.5	3,887.6	46.0228%	64.0514%
36	September	2	1,373,906	6,114.8	898.3	720	1,348,495	6,001.7	881.7	31.2063%	14.6908%
37	October	2	1,940,455	6,264.9	3,592.8	744	1,904,565	6,149.0	3,526.3	41.6311%	57.3475%
38	November	2	1,841,130	6,074.1	3,449.7	720	1,807,077	5,961.8	3,385.9	42.0985%	56.7933%
39	December	2	1,557,025	6,092.1	582.3	744	1,528,227	5,979.4	571.5	34.3524%	9.5578%
40											
41	Rate 380		18,589,525	6,314.4	4,082.4	8,760	18,245,700	6,197.6	4,006.9	33.6072%	64.6524%

Adjusted Data:
12CP 2,221.4
Non-Coincident Peak 6,197.6
Coincident Peak 4,006.9 ND 2019 Peak occurred on Jan. 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Small Municipal Rate 400 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line	Total Study Group								Results Per Customer in Study Group (Average)					
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
			Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	38	169,207.309	382.365	280.276	744	59.4796%	73.3006%	29-Jan	1900	4,452.82	10.062	7.376	59.4809%
2	February	38	172,723.204	397.719	362.751	672	64.6257%	91.2079%	8-Feb	1000	4,545.35	10.466	9.546	64.6275%
3	March	38	163,755.121	354.309	332.660	744	62.1212%	93.8898%	4-Mar	0900	4,309.35	9.324	8.754	62.1207%
4	April	38	129,241.781	302.392	275.742	720	59.3609%	91.1869%	10-Apr	1200	3,401.10	7.958	7.256	59.3585%
5	May	38	123,413.342	325.077	308.124	744	51.0273%	94.7849%	30-May	1700	3,247.72	8.555	8.109	51.0253%
6	June	38	144,202.315	401.071	342.502	720	49.9365%	85.3968%	27-Jun	1700	3,794.80	10.555	9.013	49.9342%
7	July	38	187,508.142	421.004	381.510	744	59.8633%	90.6191%	31-Jul	1800	4,934.42	11.079	10.040	59.8636%
8	August	38	167,795.266	429.125	380.286	744	52.5561%	88.6189%	6-Aug	1600	4,415.66	11.293	10.008	52.5549%
9	September	38	118,002.288	320.887	223.237	720	51.0747%	69.5687%	6-Sep	1800	3,105.32	8.444	5.875	51.0770%
10	October	38	140,340.485	329.626	318.409	744	57.2254%	96.5971%	29-Oct	1200	3,693.17	8.674	8.379	57.2278%
11	November	38	143,712.036	316.859	243.524	720	62.9933%	76.8556%	11-Nov	1900	3,781.90	8.338	6.409	62.9964%
12	December	38	164,090.927	372.550	313.058	744	59.2007%	84.0311%	10-Dec	0900	4,318.18	9.804	8.238	59.2004%
13														
14	Rate 400 per Study		1,823,992.22	429.125	381.510	8,760	48.5216%	88.9042%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	38	169,207	382.4	280.3	744	171,217	386.9	283.6	59.4806%	73.3006%
29	February	38	172,723	397.7	362.7	672	174,775	402.4	367.0	64.6327%	91.2028%
30	March	38	163,755	354.3	332.7	744	165,701	358.5	336.7	62.1245%	93.9191%
31	April	38	129,242	302.4	275.7	720	130,778	306.0	279.0	59.3582%	91.1765%
32	May	38	123,413	325.1	308.1	744	124,879	329.0	311.8	51.0177%	94.7720%
33	June	38	144,202	401.1	342.5	720	145,915	405.9	346.6	49.9285%	85.3905%
34	July	39	192,442	432.1	391.6	744	194,728	437.2	396.3	59.8653%	90.6450%
35	August	39	172,211	440.4	390.3	744	174,257	445.6	394.9	52.5620%	88.6221%
36	September	39	121,107	329.3	229.1	720	122,546	333.2	231.8	51.0813%	69.5678%
37	October	39	144,034	338.3	326.8	744	145,745	342.3	330.7	57.2287%	96.6112%
38	November	39	147,494	325.2	250.0	720	149,246	329.1	253.0	62.9858%	76.8763%
39	December	39	168,409	382.4	321.3	744	170,410	386.9	325.1	59.2002%	84.0269%
40											
41	Rate 400		1,848,239	440.4	391.6	8,760	1,870,197	445.6	396.3	47.9113%	88.9363%

Adjusted Data:
12CP 321.4
Non-Coincident Peak 445.6
Coincident Peak 396.3 ND 2019 Peak occurred on Jan. 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Small Municipal Non Demand Rate 401 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
	Total Study Group								Results Per Customer in Study Group (Average)					
Line		Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor
				Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident	
1	January	247	216,177.598	1,259.015	375.653	744	23.0785%	29.8370%	29-Jan	1900	875.21	5.097	1.521	23.0794%
2	February	247	224,323.339	1,043.339	373.660	672	31.9948%	35.8138%	8-Feb	1000	908.19	4.224	1.513	31.9951%
3	March	247	189,196.036	940.952	377.354	744	27.0254%	40.1034%	4-Mar	0900	765.98	3.810	1.528	27.0221%
4	April	247	128,260.650	515.213	240.732	720	34.5759%	46.7247%	10-Apr	1200	519.27	2.086	0.975	34.5737%
5	May	247	106,651.828	547.797	138.638	744	26.1683%	25.3082%	30-May	1700	431.79	2.218	0.561	26.1660%
6	June	247	84,361.000	185.886	183.227	720	63.0322%	98.5696%	27-Jun	1700	341.54	0.753	0.742	62.9962%
7	July	247	99,325.903	197.216	153.095	744	67.6937%	77.6284%	31-Jul	1800	402.13	0.798	0.620	67.7315%
8	August	247	96,143.174	192.225	177.022	744	67.2259%	92.0912%	6-Aug	1600	389.24	0.778	0.717	67.2458%
9	September	247	92,179.604	655.329	142.024	720	19.5363%	21.6721%	6-Sep	1800	373.20	2.653	0.575	19.5376%
10	October	247	139,301.704	1,275.842	298.540	744	14.6753%	23.3994%	29-Oct	1200	563.97	5.165	1.209	14.6762%
11	November	247	174,369.815	730.176	306.026	720	33.1674%	41.9113%	11-Nov	1900	705.95	2.956	1.239	33.1694%
12	December	247	206,655.358	1,234.281	358.645	744	22.5040%	29.0570%	10-Dec	0900	836.66	4.997	1.452	22.5044%
13														
14	Rate 401 per Study		1,756,946.01	1,275.842	377.354	8,760	15.7202%	29.5768%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	243	212,676	1,238.6	369.6	744	230,865	1,344.5	401.2	23.0794%	29.8401%
29	February	244	221,598	1,030.7	369.2	672	240,550	1,118.8	400.8	31.9951%	35.8241%
30	March	244	186,899	929.6	372.8	744	202,883	1,009.1	404.7	27.0233%	40.1050%
31	April	246	127,740	513.2	239.9	720	138,665	557.1	260.4	34.5701%	46.7421%
32	May	248	107,084	550.1	139.1	744	116,242	597.1	151.0	26.1663%	25.2889%
33	June	248	84,702	186.7	184.0	720	91,946	202.7	199.7	63.0009%	98.5200%
34	July	248	99,728	197.9	153.8	744	108,257	214.8	167.0	67.7406%	77.7467%
35	August	247	96,142	192.2	177.1	744	104,364	208.6	192.2	67.2455%	92.1381%
36	September	247	92,180	655.3	142.0	720	100,063	711.3	154.1	19.5384%	21.6646%
37	October	246	138,737	1,270.6	297.4	744	150,602	1,379.3	322.8	14.6757%	23.4032%
38	November	242	170,840	715.4	299.8	720	185,451	776.6	325.4	33.1665%	41.9006%
39	December	239	199,962	1,194.3	347.0	744	217,063	1,296.4	376.7	22.5047%	29.0574%
40											
41	Rate 401		1,738,288	1,270.6	372.8	8,760	1,886,951	1,379.3	404.7	15.6170%	29.3410%

Total Billed Energy 1,886,951
Adjustment Factor 108.552265%

Adjusted Data:
12CP 279.7
Non-Coincident Peak 1,379.3
Coincident Peak 404.7 ND 2019 Peak occurred on Jan 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Municipal Lighting Primary Rate 41 Load Data
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
	Total Study Group								Results Per Customer in Study Group (Average)					
Line		Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor
				Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident	
1	January	38	76,176.950	199.683	145.597	744	51.2754%	72.9139%	29-Jan	1900	2,004.66	5.255	3.831	51.2737%
2	February	38	64,176.020	198.720	9.511	672	48.0576%	4.7861%	8-Feb	1000	1,688.84	5.229	0.250	48.0619%
3	March	38	62,547.353	198.794	7.670	744	42.2895%	3.8583%	4-Mar	0900	1,645.98	5.231	0.202	42.2928%
4	April	38	51,616.907	188.400	3.492	720	38.0521%	1.8535%	10-Apr	1200	1,358.34	4.958	0.092	38.0513%
5	May	38	45,640.110	197.590	4.030	744	31.0462%	2.0396%	30-May	1700	1,201.06	5.200	0.106	31.0448%
6	June	38	37,503.307	196.837	1.794	720	26.4625%	0.9114%	27-Jun	1700	986.93	5.180	0.047	26.4621%
7	July	38	41,141.158	184.087	2.493	744	30.0387%	1.3544%	31-Jul	1800	1,082.66	4.844	0.066	30.0410%
8	August	38	43,792.935	174.250	3.190	744	33.7799%	1.8307%	6-Aug	1600	1,152.45	4.586	0.084	33.7765%
9	September	38	45,986.149	168.110	2.310	720	37.9928%	1.3741%	6-Sep	1800	1,210.16	4.424	0.061	37.9923%
10	October	38	63,547.431	187.325	5.160	744	45.5963%	2.7546%	29-Oct	1200	1,672.30	4.930	0.136	45.5926%
11	November	38	70,833.693	198.560	159.135	720	49.5468%	80.1445%	11-Nov	1900	1,864.04	5.225	4.188	49.5492%
12	December	38	79,226.290	205.585	100.153	744	51.7969%	48.7162%	10-Dec	0900	2,084.90	5.410	2.636	51.7982%
13														
14	Rate 410 per Study		682,188.30	205.585	159.135	8,760	37.8798%	77.4058%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

Line	Month	Calculated Based on Load Study					Adjusted Data				
		Actual Customers	Energy	Peak Demand (Kw)		Hours	Billed Energy	Peak Demand (Kw)		Load Factor	Coincidence Factor
				Non-Coincident	Coincident			Non-Coincident	Coincident		
25											
26											
27											
28	January	46	92,214	241.7	176.2	744	139,185	364.8	266.0	51.2820%	72.9167%
29	February	46	77,687	240.5	11.5	672	117,259	363.0	17.4	48.0696%	4.7934%
30	March	46	75,715	240.6	9.3	744	114,282	363.2	14.0	42.2921%	3.8546%
31	April	46	62,484	228.1	4.2	720	94,312	344.3	6.3	38.0450%	1.8298%
32	May	46	55,249	239.2	4.9	744	83,391	361.0	7.4	31.0484%	2.0499%
33	June	46	45,399	238.3	2.2	720	68,524	359.7	3.3	26.4588%	0.9174%
34	July	46	49,802	222.8	3.0	744	75,170	336.3	4.5	30.0431%	1.3381%
35	August	46	53,013	211.0	3.9	744	80,016	318.5	5.9	33.7672%	1.8524%
36	September	46	55,667	203.5	2.8	720	84,022	307.2	4.2	37.9874%	1.3672%
37	October	46	76,926	226.8	6.3	744	116,110	342.3	9.5	45.5921%	2.7753%
38	November	46	85,746	240.4	192.6	720	129,423	362.9	290.7	49.5327%	80.1047%
39	December	46	95,905	248.9	121.3	744	144,756	375.7	183.1	51.7872%	48.7357%
40											
41	Rate 410		<u>825,807</u>	248.9	192.6	<u>8,760</u>	<u>1,246,450</u>	375.7	290.7	37.8730%	77.3756%

Total Billed Energy 1,246,451
Adjustment Factor 150.937326%

Adjusted Data:
12CP 67.7
Non-Coincident Peak 375.7
Coincident Peak 290.7 ND 2019 Peak occurred on Jan. 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Municipal Lighting Secondary Rate 412 Load Data
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
	Total Study Group								Results Per Customer in Study Group (Average)					
Line		Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor
				Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident	
1	January	435	757,042.540	1,766.720	1,666.970	744	57.5943%	94.3539%	29-Jan	1900	1,740.33	4.061	3.832	57.6004%
2	February	434	644,501.340	1,791.610	32.570	672	53.5317%	1.8179%	8-Feb	1000	1,485.03	4.128	0.075	53.5336%
3	March	435	624,453.370	1,756.400	51.780	744	47.7863%	2.9481%	4-Mar	0900	1,435.52	4.038	0.119	47.7826%
4	April	433	533,407.598	1,721.100	38.483	720	43.0448%	2.2360%	10-Apr	1200	1,231.89	3.975	0.089	43.0430%
5	May	433	460,851.728	1,719.750	37.195	744	36.0183%	2.1628%	30-May	1700	1,064.32	3.972	0.086	36.0155%
6	June	433	382,997.660	1,723.140	40.882	720	30.8705%	2.3725%	27-Jun	1700	884.52	3.980	0.094	30.8668%
7	July	433	450,794.305	1,699.290	41.830	744	35.6564%	2.4616%	31-Jul	1800	1,041.10	3.924	0.097	35.6608%
8	August	433	504,672.360	1,651.540	75.180	744	41.0722%	4.5521%	6-Aug	1600	1,165.53	3.814	0.174	41.0743%
9	September	433	573,468.490	1,712.310	37.110	720	46.5152%	2.1672%	6-Sep	1800	1,324.41	3.955	0.086	46.5097%
10	October	433	672,968.450	1,728.957	42.220	744	52.3164%	2.4419%	29-Oct	1200	1,554.20	3.993	0.098	52.3160%
11	November	433	721,902.737	1,720.090	1,628.940	720	58.2901%	94.7009%	11-Nov	1900	1,667.21	3.972	3.762	58.2973%
12	December	433	776,417.570	1,725.160	409.480	744	60.4913%	23.7358%	10-Dec	0900	1,793.11	3.984	0.946	60.4943%
13														
14	Rate 412 per Study		7,103,478.15	1,791.610	1,666.970	8,760	45.2609%	93.0431%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

Line	Month	Calculated Based on Load Study					Adjusted Data				
		Actual Customers	Energy	Peak Demand (Kw)		Hours	Billed Energy	Peak Demand (Kw)		Load Factor	Coincidence Factor
				Non-Coincident	Coincident			Non-Coincident	Coincident		
25											
26											
27											
28	January	437	760,524	1,774.7	1,674.6	744	840,524	1,961.4	1,850.8	57.5985%	94.3612%
29	February	437	648,958	1,803.9	32.8	672	717,222	1,993.7	36.3	53.5334%	1.8207%
30	March	437	627,322	1,764.6	52.0	744	693,310	1,950.2	57.5	47.7832%	2.9484%
31	April	440	542,032	1,749.0	39.2	720	599,048	1,933.0	43.3	43.0425%	2.2400%
32	May	438	466,172	1,739.7	37.7	744	515,209	1,922.7	41.7	36.0163%	2.1688%
33	June	439	388,304	1,747.2	41.3	720	429,150	1,931.0	45.6	30.8670%	2.3615%
34	July	439	457,043	1,722.6	42.6	744	505,119	1,903.8	47.1	35.6615%	2.4740%
35	August	444	517,495	1,693.4	77.3	744	571,930	1,871.5	85.4	41.0752%	4.5632%
36	September	444	588,038	1,756.0	38.2	720	649,894	1,940.7	42.2	46.5106%	2.1745%
37	October	444	690,065	1,772.9	43.5	744	762,653	1,959.4	48.1	52.3156%	2.4548%
38	November	449	748,577	1,783.4	1,689.1	720	827,320	1,971.0	1,866.8	58.2981%	94.7133%
39	December	451	808,693	1,796.8	426.6	744	893,760	1,985.8	471.5	60.4940%	23.7436%
40											
41	Rate 412		<u>7,243,223</u>	1,803.9	1,689.1	<u>8,760</u>	<u>8,005,139</u>	1,993.7	1,866.8	45.8358%	93.6350%

Total Billed Energy 8,005,139
Adjustment Factor 110.519019%

Adjusted Data:
12CP 386.4
Non-Coincident Peak 1,993.7
Coincident Peak 1,866.8 ND 2019 Peak occurred on Jan. 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - Montana
Municipal Pumping Rate 480 Load Study
Twelve Months Ending December 31, 2019

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line		Total Study Group							Results Per Customer in Study Group (Average)						
		Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
				Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	117	69,442.856	154.233	129.023	744	60.5169%	83.6547%		29-Jan	1900	593.53	1.318	1.103	60.5277%
2	February	117	72,147.867	141.726	122.425	672	75.7541%	86.3818%		8-Feb	1000	616.65	1.211	1.046	75.7749%
3	March	117	72,186.148	146.590	140.936	744	66.1876%	96.1432%		4-Mar	0900	616.98	1.253	1.205	66.1831%
4	April	117	58,587.020	127.547	111.483	720	63.7969%	87.4054%		10-Apr	1200	500.74	1.090	0.953	63.8048%
5	May	117	52,187.825	117.053	85.152	744	59.9260%	72.7470%		30-May	1700	446.05	1.000	0.728	59.9530%
6	June	117	43,125.742	119.520	76.463	720	50.1147%	63.9751%		27-Jun	1700	368.60	1.022	0.654	50.0924%
7	July	117	48,863.585	114.043	49.163	744	57.5897%	43.1091%		31-Jul	1800	417.64	0.975	0.420	57.5738%
8	August	117	34,945.453	82.368	43.872	744	57.0245%	53.2631%		6-Aug	1600	298.68	0.704	0.375	57.0244%
9	September	117	35,696.288	106.429	43.299	720	46.5833%	40.6832%		6-Sep	1800	305.10	0.910	0.370	46.5659%
10	October	117	54,977.628	116.063	96.232	744	63.6677%	82.9137%		29-Oct	1200	469.89	0.992	0.822	63.6666%
11	November	117	58,963.642	117.407	105.911	720	69.7521%	90.2087%		11-Nov	1900	503.96	1.003	0.905	69.7851%
12	December	117	66,772.152	123.168	123.168	744	72.8661%	100.0000%		10-Dec	0900	570.70	1.053	1.053	72.8461%
13															
14	Rate 480 per Study		667,896.21	154.233	140.936	8,760	49.4341%	91.3787%							

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

Line	Month	Calculated Based on Load Study					Adjusted Data				
		Actual Customers	Energy	Peak Demand (Kw)		Hours	Billed Energy	Peak Demand (Kw)		Load Factor	Coincidence Factor
				Non-Coincident	Coincident			Non-Coincident	Coincident		
25	January	119	70,630	156.8	131.3	744	83,999	186.5	156.2	60.5372%	83.7534%
26	February	119	73,381	144.1	124.5	672	87,271	171.4	148.1	75.7687%	86.4061%
27	March	119	73,421	149.1	143.4	744	87,318	177.3	170.5	66.1945%	96.1647%
28	April	119	59,588	129.7	113.4	720	70,867	154.3	134.9	63.7890%	87.4271%
29	May	119	53,080	119.0	86.6	744	63,127	141.5	103.0	59.9633%	72.7915%
30	June	119	43,863	121.6	77.8	720	52,166	144.6	92.5	50.1057%	63.9696%
31	July	118	49,282	115.1	49.6	744	58,610	136.9	59.0	57.5434%	43.0972%
32	August	119	35,543	83.8	44.6	744	42,271	99.7	53.0	56.9868%	53.1595%
33	September	118	36,002	107.4	43.7	720	42,817	127.7	52.0	46.5686%	40.7204%
34	October	118	55,447	117.1	97.0	744	65,942	139.3	115.4	63.6265%	82.8428%
35	November	117	58,963	117.4	105.9	720	70,124	139.6	125.9	69.7668%	90.1862%
36	December	115	65,631	121.1	121.1	744	78,054	144.0	144.0	72.8551%	100.0000%
37											
38	Rate 480		<u>674,831</u>	156.8	143.4	<u>8,760</u>	<u>802,566</u>	186.5	170.5	49.1245%	91.4209%

Total Billed Energy 802,566
Adjustment Factor 118.928443%

Adjusted Data:
12CP 112.9
Non-Coincident Peak 186.5
Coincident Peak 170.5 ND 2019 Peak occurred on Jan. 29- HE 19:00

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Municipal Pumping Rate 481 Load Study
Twelve Months Ending December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line	Total Study Group								Results Per Customer in Study Group (Average)					
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
			Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	187	1,624,511.152	3,036.440	2,625.890	744	71.9093%	86.4792%	29-Jan	1900	8,687.23	16.238	14.042	71.9078%
2	February	187	1,622,985.110	3,353.576	2,776.730	672	72.0173%	82.7991%	8-Feb	1000	8,679.06	17.934	14.849	72.0155%
3	March	187	1,747,993.471	3,231.353	2,440.937	744	72.7080%	75.5391%	4-Mar	0900	9,347.56	17.280	13.053	72.7079%
4	April	187	1,718,772.035	3,637.654	2,939.403	720	65.6242%	80.8049%	10-Apr	1200	9,191.29	19.453	15.719	65.6232%
5	May	187	1,669,281.102	3,547.224	2,094.916	744	63.2511%	59.0579%	30-May	1700	8,926.64	18.969	11.203	63.2515%
6	June	187	1,611,540.421	3,298.775	2,483.957	720	67.8510%	75.2994%	27-Jun	1700	8,617.86	17.641	13.283	67.8490%
7	July	187	1,834,980.062	3,427.182	2,436.128	744	71.9650%	71.0825%	31-Jul	1800	9,812.73	18.327	13.027	71.9657%
8	August	187	1,775,427.838	3,349.404	2,512.849	744	71.2463%	75.0238%	6-Aug	1600	9,494.27	17.911	13.438	71.2474%
9	September	187	1,627,872.431	3,209.009	2,133.151	720	70.4558%	66.4738%	6-Sep	1800	8,705.20	17.160	11.407	70.4578%
10	October	187	1,705,741.282	3,125.164	2,223.804	744	73.3614%	71.1580%	29-Oct	1200	9,121.61	16.712	11.892	73.3618%
11	November	187	1,675,912.070	3,175.401	2,774.117	720	73.3027%	87.3627%	11-Nov	1900	8,962.10	16.981	14.835	73.3017%
12	December	187	1,740,532.174	3,419.038	2,835.316	744	68.4235%	82.9273%	10-Dec	0900	9,307.66	18.284	15.162	68.4221%
13														
14	Rate 481 per Study		20,355,549.15	3,637.654	2,939.403	8,760	63.8789%	80.8049%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
 (b)= Sum of hourly data by month
 (c)= Maximum use for the sample group by month
 (d)= Use for the group at the time of the system peak
 (e)= Hours in the month
 (f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
 (g)= Coincident peak / Non-coincident peak

Line	Month	Calculated Based on Load Study					Adjusted Data				
		Actual Customers	Energy	Peak Demand (Kw)		Hours	Billed Energy	Peak Demand (Kw)		Load Factor	Coincidence Factor
				Non-Coincident	Coincident			Non-Coincident	Coincident		
25	January	193	1,676,635	3,133.9	2,710.1	744	1,686,668	3,152.7	2,726.3	71.9075%	86.4751%
26	February	192	1,666,380	3,443.3	2,851.0	672	1,676,351	3,463.9	2,868.1	72.0162%	82.7997%
27	March	193	1,804,079	3,335.0	2,519.2	744	1,814,874	3,355.0	2,534.3	72.7078%	75.5380%
28	April	195	1,792,302	3,793.3	3,065.2	720	1,803,027	3,816.0	3,083.5	65.6238%	80.8045%
29	May	196	1,749,621	3,717.9	2,195.8	744	1,760,091	3,740.1	2,208.9	63.2527%	59.0599%
30	June	196	1,689,101	3,457.6	2,603.5	720	1,699,208	3,478.3	2,619.1	67.8496%	75.2983%
31	July	195	1,913,482	3,573.8	2,540.3	744	1,924,932	3,595.2	2,555.5	71.9647%	71.0809%
32	August	196	1,860,877	3,510.6	2,633.8	744	1,872,012	3,531.6	2,649.6	71.2466%	75.0255%
33	September	196	1,706,219	3,363.4	2,235.8	720	1,716,429	3,383.5	2,249.2	70.4575%	66.4755%
34	October	196	1,787,836	3,275.6	2,330.8	744	1,798,534	3,295.2	2,344.7	73.3608%	71.1550%
35	November	194	1,738,647	3,294.3	2,878.0	720	1,749,051	3,314.0	2,895.2	73.3023%	87.3627%
36	December	192	1,787,071	3,510.5	2,911.1	744	1,797,765	3,531.5	2,928.5	68.4228%	82.9251%
37											
38	Rate 481		<u>21,172,250</u>	3,793.3	3,065.2	<u>8,760</u>	<u>21,298,942</u>	3,816.0	3,083.5	63.7156%	80.8045%

Total Billed Energy 21,298,942
 Adjustment Factor 100.598387%

Adjusted Data:
 12CP 2,638.6
 Non-Coincident Peak 3,816.0
 Coincident Peak 3,083.5 ND 2019 Peak occurred on Jan 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Municipal Pumping - Primary Rate 482 Load Study
Twelve Months Ending December 31, 2019

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Line	Total Study Group							2019 System Peak		Results Per Customer in Study Group (Average)			
	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	Date	HE	Energy	Peak Demand (Kw)		Load Factor
			Non-Coincident	Coincident							Non-Coincident	Coincident	
1	January	3	539,487.120	2,005.600	612.800	744	36.1546%	29-Jan	1900	179,829.04	668.533	204.267	36.1546%
2	February	3	534,399.696	1,765.200	1,567.200	672	45.0509%	8-Feb	1000	178,133.23	588.400	522.400	45.0509%
3	March	3	613,654.892	2,194.800	871.600	744	37.5800%	4-Mar	0900	204,551.63	731.600	290.533	37.5800%
4	April	3	575,279.788	2,182.200	1,677.600	720	36.6144%	10-Apr	1200	191,759.93	727.400	559.200	36.6144%
5	May	3	644,908.368	2,479.600	1,401.200	744	34.9577%	30-May	1700	214,969.46	826.533	467.067	34.9578%
6	June	3	782,707.780	2,984.400	2,442.400	720	36.4259%	27-Jun	1700	260,902.59	994.800	814.133	36.4259%
7	July	3	949,294.560	3,323.600	1,864.400	744	38.3901%	31-Jul	1800	316,431.52	1,107.867	621.467	38.3901%
8	August	3	880,946.868	3,628.132	2,437.200	744	32.6358%	6-Aug	1600	293,648.96	1,209.377	812.400	32.6358%
9	September	3	648,474.172	2,748.000	771.200	720	32.7751%	6-Sep	1800	216,158.06	916.000	257.067	32.7751%
10	October	3	536,805.040	1,805.200	1,140.400	744	39.9685%	29-Oct	1200	178,935.01	601.733	380.133	39.9686%
11	November	3	535,613.796	1,657.732	568.000	720	44.8750%	11-Nov	1900	178,537.93	552.577	189.333	44.8751%
12	December	3	566,450.104	1,652.000	1,103.600	744	46.0870%	10-Dec	0900	188,816.70	550.667	367.867	46.0870%
13													
14	Rate 482 per Study		<u>7,808,022.18</u>	3,628.132	2,442.400	<u>8,760</u>	24.5671%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

Line	Month	Actual Customers	Calculated Based on Load Study				Adjusted Data				
			Peak Demand (Kw)		Hours	Billed Energy	Peak Demand (Kw)		Load Factor	Coincidence Factor	
			Non-Coincident	Coincident			Non-Coincident	Coincident			
25											
26											
27											
28	January	3	539,487	2,005.6	612.8	744	575,089	2,138.0	653.2	36.1538%	30.5519%
29	February	3	534,400	1,765.2	1,567.2	672	569,666	1,881.7	1,670.6	45.0506%	88.7814%
30	March	3	613,655	2,194.8	871.6	744	654,151	2,339.6	929.1	37.5806%	39.7119%
31	April	4	767,040	2,909.6	2,236.8	720	817,658	3,101.6	2,384.4	36.6145%	76.8765%
32	May	3	644,908	2,479.6	1,401.2	744	687,466	2,643.2	1,493.7	34.9581%	56.5110%
33	June	3	782,708	2,984.4	2,442.4	720	834,360	3,181.3	2,603.6	36.4264%	81.8408%
34	July	3	949,295	3,323.6	1,864.4	744	1,011,940	3,542.9	1,987.4	38.3904%	56.0953%
35	August	3	880,947	3,628.1	2,437.2	744	939,082	3,867.5	2,598.0	32.6363%	67.1752%
36	September	3	648,474	2,748.0	771.2	720	691,268	2,929.3	822.1	32.7756%	28.0647%
37	October	3	536,805	1,805.2	1,140.4	744	572,230	1,924.3	1,215.7	39.9691%	63.1762%
38	November	3	535,614	1,657.7	568.0	720	570,960	1,767.1	605.5	44.8758%	34.2652%
39	December	3	566,450	1,652.0	1,103.6	744	603,831	1,761.0	1,176.4	46.0875%	66.8030%
40											
41	Rate 482		<u>7,999,783</u>	3,628.1	2,442.4	<u>8,760</u>	<u>8,527,701</u>	3,867.5	2,603.6	25.1708%	67.3200%

Total Billed Energy 8,527,700
Adjustment Factor 106.599142%

Adjusted Data:
12CP 1,511.6
Non-Coincident Peak 3,867.5
Coincident Peak 2,603.6 ND 2019 Peak occurred on Jan. 29- HE 19:00

Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Williston Treatment Plant Rate 484 Load Study
Twelve Months Ending December 31, 2019

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
Line		Total Study Group							Results Per Customer in Study Group (Average)						
		Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
				Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	2	1,109,494.400	2,032.000	1,462.400	744	73.3886%	71.9685%		29-Jan	1900	554,747.20	1,016.000	731.200	73.3886%
2	February	2	1,018,579.200	1,891.200	1,340.800	672	80.1471%	70.8968%		8-Feb	1000	509,289.60	945.600	670.400	80.1471%
3	March	2	1,259,564.800	2,099.200	1,017.600	744	80.6480%	48.4756%		4-Mar	0900	629,782.40	1,049.600	508.800	80.6480%
4	April	2	1,123,974.400	1,945.600	1,740.800	720	80.2362%	89.4737%		10-Apr	1200	561,987.20	972.800	870.400	80.2362%
5	May	2	1,349,203.200	2,243.200	1,900.800	744	80.8419%	84.7361%		30-May	1700	674,601.60	1,121.600	950.400	80.8419%
6	June	2	1,274,700.800	2,169.600	1,891.200	720	81.6011%	87.1681%		27-Jun	1700	637,350.40	1,084.800	945.600	81.6011%
7	July	2	1,358,156.800	2,272.000	1,971.200	744	80.3468%	86.7606%		31-Jul	1800	679,078.40	1,136.000	985.600	80.3468%
8	August	2	1,403,219.200	2,422.400	1,900.800	744	77.8586%	78.4676%		6-Aug	1600	701,609.60	1,211.200	950.400	77.8586%
9	September	2	1,112,873.600	2,147.200	1,548.800	720	71.9848%	72.1311%		6-Sep	1800	556,436.80	1,073.600	774.400	71.9848%
10	October	2	1,096,300.800	1,776.000	1,404.800	744	82.9686%	79.0991%		29-Oct	1200	548,150.40	888.000	702.400	82.9686%
11	November	2	1,241,966.400	2,332.800	1,673.600	720	73.9435%	71.7421%		11-Nov	1900	620,983.20	1,166.400	836.800	73.9435%
12	December	2	1,134,240.000	2,160.000	1,052.800	744	70.5795%	48.7407%		10-Dec	0900	567,120.00	1,080.000	526.400	70.5795%
13															
14	Rate 484 per Study		14,482,273.60	2,422.400	1,971.200	8,760	68.2475%	81.3738%							

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
(b)= Sum of hourly data by month
(c)= Maximum use for the sample group by month
(d)= Use for the group at the time of the system peak
(e)= Hours in the month
(f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
(g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	2	1,109,494	2,032.0	1,462.4	744	1,116,920	2,045.6	1,472.2	73.3886%	71.9691%
29	February	2	1,018,579	1,891.2	1,340.8	672	1,025,396	1,903.9	1,349.8	80.1453%	70.8966%
30	March	2	1,259,565	2,099.2	1,017.6	744	1,267,995	2,113.2	1,024.4	80.6499%	48.4762%
31	April	2	1,123,974	1,945.6	1,740.8	720	1,131,497	1,958.6	1,752.5	80.2371%	89.4772%
32	May	2	1,349,203	2,243.2	1,900.8	744	1,358,233	2,258.2	1,913.5	80.8424%	84.7356%
33	June	2	1,274,701	2,169.6	1,891.2	720	1,283,232	2,184.1	1,903.9	81.6019%	87.1709%
34	July	2	1,358,157	2,272.0	1,971.2	744	1,367,247	2,287.2	1,984.4	80.3470%	86.7611%
35	August	2	1,403,219	2,422.4	1,900.8	744	1,412,610	2,438.6	1,913.5	77.8590%	78.4672%
36	September	2	1,112,874	2,147.2	1,548.8	720	1,120,322	2,161.6	1,559.2	71.9838%	72.1318%
37	October	2	1,096,301	1,776.0	1,404.8	744	1,103,638	1,787.9	1,414.2	82.9680%	79.0984%
38	November	2	1,241,966	2,332.8	1,673.6	720	1,250,278	2,348.4	1,684.8	73.9438%	71.7425%
39	December	2	1,134,240	2,160.0	1,052.8	744	1,141,831	2,174.5	1,059.8	70.5780%	48.7376%
40											
41	Rate 484		14,482,273	2,422.4	1,971.2	8,760	14,579,199	2,438.6	1,984.4	68.2479%	81.3746%

Total Billed Energy 14,579,200
Adjustment Factor 100.669280%

Adjusted Data:
12CP 1,586.0
Non-Coincident Peak 2,438.6
Coincident Peak 1,984.4 ND 2019 Peak occurred on Jan. 29- HE 19:00

**Montana-Dakota Utilities Co.
Electric Utility - North Dakota
Outdoor Lighting Rate 52 Load Data
Twelve Months Ending December 31, 2019**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	
	Total Study Group								Results Per Customer in Study Group (Average)					
Line	Sample Count	Energy	Peak Demand (Kw)		Hours	Load Factor	Coincidence Factor	2019 System Peak		Energy	Peak Demand (Kw)		Load Factor	
			Non-Coincident	Coincident				Date	HE		Non-Coincident	Coincident		
1	January	169	184,222.966	514.818	351.838	744	48.0969%	68.3422%	29-Jan	1900	1,090.08	3.046	2.082	48.1012%
2	February	169	162,709.097	483.776	124.069	672	50.0493%	25.6460%	8-Feb	1000	962.78	2.863	0.734	50.0422%
3	March	169	137,100.265	455.465	116.127	744	40.4586%	25.4963%	4-Mar	0900	811.24	2.695	0.687	40.4592%
4	April	169	121,645.578	694.998	43.726	720	24.3097%	6.2915%	10-Apr	1200	719.80	4.112	0.259	24.3123%
5	May	169	109,802.002	613.810	36.044	744	24.0438%	5.8721%	30-May	1700	649.72	3.632	0.213	24.0440%
6	June	169	91,375.870	607.804	50.883	720	20.8802%	8.3716%	27-Jun	1700	540.69	3.596	0.301	20.8832%
7	July	169	100,774.287	431.997	45.901	744	31.3542%	10.6253%	31-Jul	1800	596.30	2.556	0.272	31.3567%
8	August	170	113,098.298	606.118	56.571	744	25.0799%	9.3333%	6-Aug	1600	665.28	3.565	0.333	25.0826%
9	September	170	130,381.197	639.465	63.647	720	28.3182%	9.9532%	6-Sep	1800	766.95	3.762	0.374	28.3149%
10	October	170	153,751.280	694.586	51.349	744	29.7523%	7.3928%	29-Oct	1200	904.42	4.086	0.302	29.7508%
11	November	170	151,912.242	497.308	423.605	720	42.4263%	85.1796%	11-Nov	1900	893.60	2.925	2.492	42.4311%
12	December	170	140,306.642	402.317	138.900	744	46.8746%	34.5250%	10-Dec	0900	825.33	2.367	0.817	46.8658%
13														
14	Rate 522 per Study		1,597,079.73	694.998	423.605	8,760	26.2324%	60.9505%						

(a) = Count of data points by hour, for large data sets - sum by hour and average the data points for each month
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 (c)= Maximum use for the sample group by month
 (d)= Use for the group at the time of the system peak
 (e)= Hours in the month
 (f)= Total use (energy) / (Group peak use (non-coincident) * number of hours).
 (g)= Coincident peak / Non-coincident peak

24			Calculated Based on Load Study					Adjusted Data			
25		Actual		Peak Demand (Kw)			Billed	Peak Demand (Kw)		Load	Coincidence
26	Month	Customers	Energy	Non-Coincident	Coincident	Hours	Energy	Non-Coincident	Coincident	Factor	Factor
27											
28	January	187	203,845	569.6	389.3	744	305,873	854.7	584.2	48.1010%	68.3515%
29	February	188	181,003	538.2	138.0	672	271,598	807.6	207.1	50.0450%	25.6439%
30	March	188	152,513	506.7	129.2	744	228,848	760.3	193.9	40.4566%	25.5031%
31	April	188	135,322	773.1	48.7	720	203,053	1,160.1	73.1	24.3098%	6.3012%
32	May	189	122,797	686.4	40.3	744	184,259	1,030.0	60.5	24.0447%	5.8738%
33	June	190	102,731	683.2	57.2	720	154,150	1,025.2	85.8	20.8835%	8.3691%
34	July	190	113,297	485.6	51.7	744	170,004	728.7	77.6	31.3572%	10.6491%
35	August	191	127,068	680.9	63.6	744	190,668	1,021.7	95.4	25.0831%	9.3374%
36	September	190	145,721	714.8	71.1	720	218,657	1,072.6	106.7	28.3135%	9.9478%
37	October	190	171,840	776.3	57.4	744	257,849	1,164.9	86.1	29.7512%	7.3912%
38	November	190	169,784	555.8	473.5	720	254,764	834.0	710.5	42.4267%	85.1918%
39	December	188	155,162	445.0	153.6	744	232,823	667.7	230.5	46.8675%	34.5215%
40											
41	Rate 522		1,781,083	776.3	473.5	8,760	2,672,546	1,164.9	710.5	26.1898%	60.9924%

Total Billed Energy 2,672,547
 Adjustment Factor 150.051794%

Adjusted Data:
 12CP 209.3
 Non-Coincident Peak 1,164.9
 Coincident Peak 710.5 ND 2019 Peak occurred on Jan. 29- HE 19:00