



MONTANA-DAKOTA
UTILITIES CO.

A Subsidiary of MDU Resources Group, Inc.

400 North Fourth Street
Bismarck, ND 58501
(701) 222-7900

March 19, 2020

Executive Secretary
North Dakota Public Service Commission
State Capitol Building
600 East Boulevard
Bismarck, ND 58505-0480

Re: Fuel and Purchased Power Adjustment
Case No. PU-20-011
April 2020

Montana-Dakota Utilities Co. (Montana-Dakota) herewith respectfully files an original and two (2) copies of its fuel and purchased power (F&PP) adjustment pursuant to its Rate 58.

Exhibit A, page 1 summarizes the fuel and purchase power adjustment calculated pursuant to the terms of Rate 58 that will apply during the month of April 2020. Pages 2 through 4 show the calculation of the adjustment which is based on a four month historical average cost of fuel and purchased power.

Exhibit B shows the calculation of the surcharge adjustment that will be applicable to Montana-Dakota's customers from April 1, 2020 through March 31, 2021. The total surcharge is a negative \$0.00195 per Kwh for primary service customers and a negative \$0.00187 per Kwh for secondary service customers. A decrease of 0.298 cents per Kwh for primary and a decrease of 0.277 cents per Kwh for secondary service customers from the adjustment effective April 1, 2019.

The net effect of this F&PP adjustment is a decrease of 0.212 cents per Kwh for primary service customers and a decrease of 0.197 cents per Kwh for secondary service customers for service rendered in the month of April 2020 from current effective rates as shown below. The per unit decrease was primarily the result of the decrease in the surcharge adjustment with fuel and purchase power costs remaining relatively flat.

	<u>Primary</u>	<u>Secondary</u>
F&PP Effective April 1, 2020	\$0.01917	\$0.02010
F&PP Effective March 1, 2020	0.02129	0.02207
Change	(\$0.00212)	(\$0.00197)

The current and historical Fuel and Purchased Power Adjustment for primary and secondary service customers can be found by selecting the Fuel and Purchased Power Adjustment link at <https://www.montana-dakota.com/rates-services/rates-tariffs>.


All of Montana-Dakota's retail electric customers in North Dakota will be affected by this proposal. There were 93,116 electric customers in North Dakota as of February 28, 2020.

In response to Paragraph No. 11 of NDAC Section 69-09-02-39, Montana-Dakota purchases natural gas used for electric generation from its own gas operations or transports natural gas purchased from others under the applicable gas tariff approved and on file with the Commission in the state where the purchase is made or the transportation occurs. Montana-Dakota also has an agreement with its own gas operations associated with the pipeline utilized to transport firm natural gas service to the Heskett III Station pursuant to the order in Case Nos. PU-14-108 and PU-14-109.

Montana-Dakota herewith submits a check for \$600.00. This payment will cover the filing fee associated with the Fuel and Purchased Power adjustment filings in March 2020 through February 2021 in accordance with North Dakota Century Code Section 49-05-05.

Please acknowledge receipt by stamping or initialing the duplicate copy of this letter attached hereto and returning the same in the enclosed self-addressed, stamped envelope.

If you have any questions regarding this filing, please contact me at (701) 222-7855 or Travis.Jacobson@mdu.com.

Sincerely,

Travis R. Jacobson
Director of Regulatory Affairs

Attachment

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC INTEGRATED SYSTEM - NORTH DAKOTA
FUEL AND PURCHASED POWER ADJUSTMENT
APRIL 2020 ADJUSTMENT**

	<u>Primary</u>	<u>Secondary</u>
Current Cost of Fuel (Page 2)	\$0.02112	\$0.02197
Prior Cost of Fuel	0.02026	0.02117
Change in Cost of Fuel	<u>\$0.00086</u>	<u>\$0.00080</u>
 <u>Surcharge Adjustment</u>		
Current Adjustment (Exhibit B)	(\$0.00195)	(\$0.00187)
Prior Adjustment	0.00103	0.00090
Change in Surcharge Adjustment	<u>(\$0.00298)</u>	<u>(\$0.00277)</u>
 Cost of Fuel	 \$0.02112	 \$0.02197
Surcharge Adjustment	<u>(0.00195)</u>	<u>(0.00187)</u>
Total	<u><u>\$0.01917</u></u>	<u><u>\$0.02010</u></u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC INTEGRATED SYSTEM - NORTH DAKOTA
FUEL AND PURCHASED POWER ADJUSTMENT
FUEL AND PURCHASED POWER COST TRACKING**

	<u>Total 1/</u>	<u>Allocation to 2/ North Dakota</u>	<u>Allocation to 3/</u>	
			<u>Primary</u>	<u>Secondary</u>
Fuel & Purchased Power Cost				
Accounts 501 Coal and 547 Gas	\$16,648,675	\$11,671,906	\$2,000,104	\$9,671,802
Account 502 Reagent	877,575	615,243	105,428	509,815
Account 502 Sand	138,150	96,853	16,597	80,256
Account 555 Energy	4,904,976	3,438,737	589,264	2,849,473
Accounts 555 Demand and 547 Pipeline Charges	1,273,809	904,289	88,711	815,578
Account 575 Market Admin.	210,555	147,614	25,295	122,319
Total F&PP Cost	<u>\$24,053,740</u>	<u>\$16,874,642</u>	<u>\$2,825,399</u>	<u>\$14,049,243</u>
Less:				
Wholesale Sales Revenue	\$464,211	\$325,445	\$55,768	\$269,677
Sale of RECs Revenue 4/	41,809	39,035	6,689	32,346
Total Revenue	<u>\$506,020</u>	<u>\$364,480</u>	<u>\$62,457</u>	<u>\$302,023</u>
Net System Cost	\$23,547,720	\$16,510,162	\$2,762,942	\$13,747,220
Kwh Retail Sales	1,084,095,513	756,470,424	<u>130,808,884</u>	<u>625,661,540</u>
Cost Per Kwh	\$0.02172	\$0.02183	<u><u>\$0.02112</u></u>	<u><u>\$0.02197</u></u>

1/ Page 3.

2/ Energy is allocated on Kwh sales and demand and pipeline are allocated on Allocation Factor No. 15, Integrated System 12 Month Peak Demand.

3/ 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.

4/ North Dakota's portion is allocated between primary and secondary based on Kwh sales at generation.

Factor No. 15 ND	70.990922%
Factor No. 2 Primary	9.810000%
Factor No. 2 Secondary	90.190000%

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC INTEGRATED SYSTEM - NORTH DAKOTA
FUEL AND PURCHASED POWER ADJUSTMENT
FUEL AND PURCHASED POWER COST TRACKING**

	2019		2020		Total
	November	December	January	February	
Fuel & Purchased Power Cost					
Accounts 501 Coal and 547 Gas	\$4,659,496	\$3,903,815	\$3,969,892	\$4,115,472	\$16,648,675
Account 502 Reagent	209,157	271,522	187,450	209,446	877,575
Account 502 Sand	26,846	35,240	47,008	29,056	138,150
Account 555 Energy 1/ Accounts 555 Demand and 547 Pipeline Charges	865,648	1,593,367	1,488,318	957,643	4,904,976
Account 575 Market Admin.	329,042	314,883	315,258	314,626	1,273,809
Total F&PP Cost	<u>51,070</u>	<u>54,307</u>	<u>58,831</u>	<u>46,347</u>	<u>210,555</u>
	\$6,141,259	\$6,173,134	\$6,066,757	\$5,672,590	\$24,053,740
Less:					
Wholesale Sales Revenue	\$270,868	\$33,247	\$65,755	\$94,341	\$464,211
Sale of RECs Revenue	0	0	0	41,809	41,809
Total Revenue	<u>\$270,868</u>	<u>\$33,247</u>	<u>\$65,755</u>	<u>\$136,150</u>	<u>\$506,020</u>
Net System Cost	\$5,870,391	\$6,139,887	\$6,001,002	\$5,536,440	\$23,547,720
Kwh Retail Sales	228,173,301	273,034,655	317,878,328	265,009,229	1,084,095,513
Cost Per Kwh	\$0.02573	\$0.02249	\$0.01888	\$0.02089	<u>\$0.02172</u>

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC INTEGRATED SYSTEM
FUEL AND PURCHASED POWER ADJUSTMENT
ACCOUNT 555 ENERGY

Account No.	Account Description	2019		2020	
		November	December	January	February
	<u>Midcontinent Independent System Operator (MISO)</u>				
555.111	Day-Ahead Asset Energy	\$1,412,829	\$2,632,287	\$2,702,025	\$1,597,253
555.114	Real-Time Asset Energy	20,752	9,340	(103,539)	(65,813)
555.117	Real-Time Excessive Energy	(440)	461	(332)	9
555.118	Real-Time Non-Excessive Energy	(524,724)	(732,347)	(843,068)	(439,171)
555.1230	Revenue Rights Transaction	(157,326)	(79,967)	(79,967)	(79,967)
555.1232	Revenue Rights Infeasible Uplift	3,813	1,921	1,921	1,921
555.1233	Revenue Rights Stage 2 Distribution	(16,653)	(32,730)	(32,730)	(32,730)
555.1234	Auction Revenue Rights Real-Time MVP Distribution	(138)	(4,575)	(250)	(4,807)
555.135	Real-Time Asset Loss	(6,239)	(19,020)	(72,294)	39,204
555.136	Real-Time Distribution of Loss	(5,098)	(14,589)	(19,130)	(17,919)
555.151	Day-Ahead Rev Suff Guarantee Distribution	5,616	5,940	6,036	3,456
555.153	Real-Time Miscellaneous	13,048	15,732	(26)	53
555.154	Real-Time Net Inadvertent Distribution	660	1,946	2,683	2,883
555.155	Real-Time Revenue Neutrality Uplift	5,099	28,592	21,894	18,550
555.156	Real-Time Rev Suff Guarantee First Pass Distribution	3,053	6,103	841	705
555.157	Real-Time Rev Suff Guarantee Make Whole Payment	(2,137)	(2,993)	0	0
555.159	Day-Ahead Schedule 24	6,045	5,817	5,942	5,927
555.160	Real-Time Schedule 24	1,086	985	1,059	971
555.162	Real-Time Price Volatility Make Whole Payment	(5,568)	(2,246)	(3,544)	(3,533)
555.164	Real-Time Schedule 49	0	0	11,132	16,247
555.1701	Day-Ahead Spinning Reserve Amount	(6,120)	(2,279)	(4,778)	(3,846)
555.1703	Day-Ahead Ramp Capability	(2,394)	(683)	(1,002)	(1,003)
555.1711	Real-Time Excessive Deficient Energy Deployment	24	5	47	14
555.1713	Real-Time Regulation Amount	0	0	0	(2)
555.1714	Real-Time Spinning Reserve Amount	(693)	(934)	(6,654)	(1,991)
555.1715	Real-Time Supplemental Reserve Amount	(544)	0	0	0
555.1716	Real-Time Regulation Cost Distribution	9,988	10,808	9,245	8,498
555.1717	Real-Time Spinning Reserve Cost Distribution Amount	4,519	4,598	5,791	4,553
555.1718	Real-Time Supplemental Reserve Cost Distribution	713	1,274	1,530	883
555.1720	Real-Time Ramp Capability	(2)	(19)	(59)	(28)
	<u>Southwest Power Pool (SPP)</u>				
555.185	Real-Time Asset Losses	\$1,312	(\$27,434)	\$22,157	\$19,674
555.186	Real-Time Over Collected Losses	(90,394)	(126,047)	(72,765)	(68,998)
555.1915	Real-Time Asset Congestion	275,389	28,628	7,685	28,778
555.1920	Auction Revenue Rights-Daily	(82,524)	(120,193)	(76,606)	(76,606)
	<u>Other</u>				
555.1	Purchased Power	\$2,695	\$4,986	\$5,074	\$4,478
555.5	Purchased Power Cogeneration	1	0	0	0
	Total Account 555 Energy	<u>\$865,648</u>	<u>\$1,593,367</u>	<u>\$1,488,318</u>	<u>\$957,643</u>

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
TO BE EFFECTIVE APRIL 1, 2020 THROUGH MARCH 31, 2021
PRIMARY**

(Over)/Under Recovered Electric Costs as of January 31, 2020 (Page 3) (\$711,624)

Less: Projected Recovery From Rates Already Established

	Volume	Rate	Amount
February	30,648,195	\$0.00103	\$31,568
March	27,744,000	0.00103	28,576
	58,392,195		\$60,144

Additional Recovery Required (\$771,768)

Projected Sales Volumes (Kwh)

April 2020	29,120,000	
May	30,371,000	
June	32,483,000	
July	35,681,000	
August	32,434,000	
September	33,376,000	
October	32,029,000	
November	35,818,000	
December	35,967,000	
January 2021	36,699,000	
February	32,986,000	
March	28,801,000	
 Total		<u>395,765,000</u>

Total (Over)/Under Recovered Fuel Cost Adjustment
To Be Effective April 1, 2020 Through March 31, 2021 (\$0.00195)

**MONTANA - DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASE POWER COST SURCHARGE ADJUSTMENT
TO BE EFFECTIVE APRIL 1, 2020 THROUGH MARCH 31, 2021
SECONDARY**

(Over)/Under Recovered Electric Costs as of January 31, 2020 (Page 4) (\$3,048,416)

Less: Projected Recovery From Rates Already Established

	Volume	Rate	Amount
February	154,579,881	\$0.00090	\$139,122
March	159,914,000	0.00090	143,923
	314,493,881		\$283,045

Additional Recovery Required (\$3,331,461)

Projected Sales Volumes (Kwh)

April 2020	130,613,000	
May	127,204,000	
June	129,142,000	
July	149,491,000	
August	147,489,000	
September	126,344,000	
October	129,127,000	
November	145,564,000	
December	177,597,000	
January 2021	185,008,000	
February	166,370,000	
March	166,001,000	
 Total		<u>1,779,950,000</u>

Total (Over)/Under Recovered Fuel Cost Adjustment
To Be Effective April 1, 2020 through March 31, 2021 (\$0.00187)

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
FUEL AND PURCHASED POWER COST ACCOUNT BALANCE
PRIMARY

	(Over)/Under Recovered 1/	Interest 2/	Total Additions	Actual Kwh Sales	Surcharge Adjustment per Kwh	Adjustment Total	Additions less Adjustment	Cumulative Balance
Balance at January 31, 2019								\$384,343
February	\$154,958	\$578	\$155,536	29,506,990	(\$0.00015)	(\$4,426)	\$159,962	\$544,305
March	(90,970)	821	(90,149)	30,915,201	(0.00015)	(4,637)	(85,512)	458,793
April	(324,344)	685	(323,659)	31,853,367	0.00103	8,530 3/	(332,189)	126,604
May	(231,440)	183	(231,257)	29,101,821	0.00103	29,975	(261,232)	(134,628)
June	(180,064)	(249)	(180,313)	29,041,159	0.00103	29,912	(210,225)	(344,853)
July	245,744	(608)	245,136	32,860,356	0.00103	33,846	211,290	(133,563)
August	(22,653)	(221)	(22,874)	32,466,093	0.00103	33,440	(56,314)	(189,877)
September	(879)	(302)	(1,181)	32,521,543	0.00103	33,497	(34,678)	(224,555)
October	(205,044)	(311)	(205,355)	32,653,060	0.00103	33,633	(238,988)	(463,543)
November	44,455	(597)	43,858	31,240,006	0.00103	32,177	11,681	(451,862)
December	(47,921)	(581)	(48,502)	32,104,021	0.00103	33,067	(81,569)	(533,431)
January 2020	(139,596)	(676)	(140,272)	36,816,662	0.00103	37,921	(178,193)	(711,624)
	(\$797,754)	(\$1,278)	(\$799,032)	381,080,279		\$296,935	(\$1,095,967)	
Balance at January 31, 2020								(\$711,624)

1/ See page 5.

2/ Interest calculated at three-month Treasury Bill rate.

3/ Reflects 20,575,897 @ (\$0.00015) per Kwh and 11,277,470 @ \$0.00103 per Kwh.

MONTANA - DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
FUEL AND PURCHASED POWER COST ACCOUNT BALANCE
SECONDARY

	(Over)/Under Recovered 1/	Adjustments	Interest 2/	Total Additions	Actual Kwh Sales	Surcharge		Additions less Adjustment	Cumulative Balance
						Adjustment per Kwh	Adjustment Total		
Balance at January 31, 2019									\$1,512,581
February	\$830,107	\$0	\$2,273	\$832,380	169,918,426	(\$0.00025)	(\$42,480)	\$874,860	\$2,387,441
March	(585,517)	(3,440) 3/	3,602	(585,355)	178,189,601	(0.00025)	(44,547)	(540,808)	1,846,633
April	(1,456,193)	0	2,756	(1,453,437)	142,873,040	0.00090	20,234 4/	(1,473,671)	372,962
May	(935,486)	0	535	(934,951)	121,890,087	0.00090	109,701	(1,044,652)	(671,690)
June	(639,086)	0	(1,236)	(640,322)	115,459,328	0.00090	103,913	(744,235)	(1,415,925)
July	1,109,558	0	(2,496)	1,107,062	137,672,030	0.00090	123,905	983,157	(432,768)
August	(69,084)	0	(716)	(69,800)	147,635,299	0.00090	132,872	(202,672)	(635,440)
September	37,990	0	(1,012)	36,978	123,108,199	0.00090	110,797	(73,819)	(709,259)
October	(857,838)	0	(984)	(858,822)	131,644,871	0.00090	118,480	(977,302)	(1,686,561)
November	169,691	0	(2,171)	167,520	126,959,222	0.00090	114,263	53,257	(1,633,304)
December	(308,085)	0	(2,100)	(310,185)	158,522,661	0.00090	142,670	(452,855)	(2,086,159)
January 2020	(792,573)	0	(2,644)	(795,217)	185,599,776	0.00090	167,040	(962,257)	(3,048,416)
	<u>(\$3,496,516)</u>	<u>(\$3,440)</u>	<u>(\$4,193)</u>	<u>(\$3,504,149)</u>	<u>1,739,472,540</u>		<u>\$1,056,848</u>	<u>(\$4,560,997)</u>	
Balance at January 31, 2020									<u>(\$3,048,416)</u>

1/ See page 6.

2/ Interest calculated at three-month Treasury Bill rate.

3/ Reflects Tax Cuts and Jobs Act Refund in Case No. PU-18-89.

4/ Reflects 94,218,791 @ (\$0.00025) per Kwh and 48,654,249 @ \$0.00090 per Kwh.

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
COMPUTATION OF (OVER)/UNDER RECOVERED FUEL AND PURCHASED POWER COST
PRIMARY

	2019 1/											2020 1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$473,843	\$522,648	\$267,082	\$243,574	\$448,872	\$973,997	\$679,415	\$636,896	\$457,264	\$632,364	\$454,857	\$455,610	\$6,246,422
Account 502 Reagent	27,991	21,075	16,803	15,617	20,255	44,212	28,320	36,822	25,997	28,386	31,637	21,513	318,628
Account 502 Sand	3,363	3,180	596	3,160	4,393	4,685	3,735	4,859	4,481	3,643	4,106	5,395	45,596
Account 555 Energy	424,072	185,770	241,294	273,778	52,729	1,373	(14,639)	15,059	51,033	117,481	185,653	170,809	1,704,412
Accounts 555 Demand and 547 Pipeline Charges	21,875	23,792	21,912	21,942	27,161	27,781	27,345	27,340	20,945	22,894	21,909	21,955	286,851
Account 575 Market Adm.	4,400	5,694	5,074	4,686	6,603	5,297	3,043	5,489	6,669	6,931	6,328	6,752	66,966
Total F&PP Cost	\$955,544	\$762,159	\$552,761	\$562,757	\$560,013	\$1,057,345	\$727,219	\$726,465	\$566,389	\$811,699	\$704,490	\$682,034	\$8,668,875
Less:													
Wholesale Sales Revenue	\$855	\$17,387	\$1,940	\$1,987	\$2,643	\$12,870	\$22,665	\$48,571	\$13,726	\$36,761	\$3,874	\$7,546	\$170,825
Sales of RECs Revenue 2/	0	55	0	638	0	0	0	0	23,291	0	0	0	23,984
Total Revenue	\$855	\$17,442	\$1,940	\$2,625	\$2,643	\$12,870	\$22,665	\$48,571	\$37,017	\$36,761	\$3,874	\$7,546	\$194,809
Net System Cost	\$954,689	\$744,717	\$550,821	\$560,132	\$557,370	\$1,044,475	\$704,554	\$677,894	\$529,372	\$774,938	\$700,616	\$674,488	\$8,474,066
Kwh Retail Sales	29,506,990	30,915,201	31,853,367	29,101,821	29,041,159	32,860,356	32,466,093	32,521,543	32,653,060	31,240,006	32,104,021	36,816,662	381,080,279
Cost per Kwh	\$0.03235	\$0.02409	\$0.01729	\$0.01925	\$0.01919	\$0.03179	\$0.02170	\$0.02084	\$0.01621	\$0.02481	\$0.02182	\$0.01832	\$0.02224
Recovered through Rates	\$799,731	\$835,687	\$875,165	\$791,572	\$737,434	\$798,731	\$727,207	\$678,773	\$734,416	\$730,483	\$748,537	\$814,084	\$9,271,820
Total (Over)/Under Recovered	\$154,958	(\$90,970)	(\$324,344)	(\$231,440)	(\$180,064)	\$245,744	(\$22,653)	(\$879)	(\$205,044)	\$44,455	(\$47,921)	(\$139,596)	(\$797,754)

1/ 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.
2/ North Dakota's portion is allocated between primary and secondary based on Kwh sales at generation.

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
COMPUTATION OF (OVER) UNDER RECOVERED FUEL AND PURCHASED POWER COST
SECONDARY

	2019 1/											2020 1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$2,758,685	\$3,045,595	\$1,211,135	\$1,031,410	\$1,804,223	\$4,125,567	\$3,123,548	\$2,437,459	\$1,863,801	\$2,598,201	\$2,270,699	\$2,322,086	\$28,592,409
Account 502 Reagent	162,965	122,809	76,199	66,131	81,416	187,267	130,199	140,920	105,963	116,629	157,934	109,644	1,458,076
Account 502 Sand	19,581	18,528	2,702	13,383	17,657	19,846	17,170	18,594	18,262	14,970	20,498	27,496	208,687
Account 555 Energy	2,468,922	1,082,525	1,094,193	1,159,311	211,943	5,818	(67,300)	57,634	208,010	482,698	926,800	870,553	8,501,107
Accounts 555 Demand and 547 Pipeline Charges	201,107	218,737	201,450	201,729	249,712	255,405	251,397	251,355	192,563	210,480	201,422	201,850	2,637,207
Account 575 Market Adim.	25,619	33,178	23,008	19,844	26,540	22,434	13,990	21,007	27,183	28,477	31,588	34,411	307,279
Total F&PP Cost	\$5,636,879	\$4,521,372	\$2,608,687	\$2,491,808	\$2,391,491	\$4,616,337	\$3,469,004	\$2,926,969	\$2,415,782	\$3,451,455	\$3,608,941	\$3,566,040	\$41,704,765
Less:													
Wholesale Sales Revenue	\$4,977	\$101,320	\$8,800	\$8,415	\$10,623	\$54,513	\$104,201	\$185,885	\$55,945	\$151,040	\$19,338	\$38,462	\$743,519
Sales of RECs Revenue 2/	0	320	0	2,700	0	0	0	0	94,933	0	0	0	97,953
Total Revenue	\$4,977	\$101,640	\$8,800	\$11,115	\$10,623	\$54,513	\$104,201	\$185,885	\$150,878	\$151,040	\$19,338	\$38,462	\$841,472
Net System Cost	\$5,631,902	\$4,419,732	\$2,599,887	\$2,480,693	\$2,380,868	\$4,561,824	\$3,364,803	\$2,741,084	\$2,264,904	\$3,300,415	\$3,589,603	\$3,527,578	\$40,863,293
Kwh Retail Sales	169,918,426	178,189,601	142,873,040	121,890,087	115,459,328	137,672,030	147,635,299	123,108,199	131,644,871	126,959,222	158,522,661	185,599,776	1,739,472,540
Cost per Kwh	\$0.03314	\$0.02480	\$0.01820	\$0.02035	\$0.02062	\$0.03314	\$0.02279	\$0.02227	\$0.01720	\$0.02600	\$0.02264	\$0.01901	\$0.02349
Recovered through Rates	\$4,801,795	\$5,005,249	\$4,056,080	\$3,416,179	\$3,019,954	\$3,452,266	\$3,433,887	\$2,703,094	\$3,122,742	\$3,130,724	\$3,897,688	\$4,320,151	\$44,359,809
Total (Over)/Under Recovered	\$830,107	(\$585,517)	(\$1,458,193)	(\$935,486)	(\$639,086)	\$1,109,558	(\$69,084)	\$37,990	(\$857,838)	\$169,691	(\$308,085)	(\$792,573)	(\$3,496,516)

1/ 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.
2/ North Dakota's portion is allocated between primary and secondary based on Kwh sales at generation.

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC INTEGRATED SYSTEM
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
FUEL AND PURCHASED POWER COST**

	2019											2020	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$4,604,040	\$5,143,215	\$2,140,167	\$1,862,555	\$3,276,311	\$7,260,138	\$5,550,350	\$4,500,225	\$3,345,799	\$4,659,496	\$3,903,815	\$3,969,892	\$50,216,003
Account 502 Reagent	271,976	207,393	134,648	119,421	147,843	329,552	231,355	260,178	190,219	209,157	271,522	187,450	2,560,714
Account 502 Sand	32,679	31,289	4,775	24,167	32,064	34,924	30,510	34,331	32,784	26,846	35,240	47,008	366,617
Account 555 Energy	4,120,447	1,828,103	1,933,523	2,093,522	384,869	10,237	(119,588)	106,407	373,409	865,648	1,593,367	1,488,318	14,678,262
Accounts 555 Demand and 547 Pipeline Charges	314,391	341,951	314,926	315,362	390,373	399,275	393,008	392,942	301,033	329,042	314,883	315,258	4,122,444
Account 575 Market Admin.	42,756	56,029	40,657	35,835	48,194	39,480	24,859	38,784	48,797	51,070	54,307	58,831	539,599
Total F&PP Cost	\$9,386,289	\$7,607,980	\$4,568,696	\$4,450,862	\$4,279,654	\$8,073,606	\$6,110,494	\$5,332,867	\$4,292,041	\$6,141,259	\$6,173,134	\$6,066,757	\$72,483,639
Less:													
Wholesale Sales Revenue	\$8,306	\$171,103	\$15,549	\$15,195	\$19,290	\$95,931	\$185,159	\$343,196	\$100,430	\$270,868	\$33,247	\$65,755	\$1,324,029
Sale of RECs Revenue	0	401	0	4,706	0	0	0	0	126,630	0	0	0	131,737
Total Revenue	\$8,306	\$171,504	\$15,549	\$19,901	\$19,290	\$95,931	\$185,159	\$343,196	\$227,060	\$270,868	\$33,247	\$65,755	\$1,455,766
Net System Cost	\$9,377,983	\$7,436,476	\$4,553,147	\$4,430,961	\$4,260,364	\$7,977,675	\$5,925,335	\$4,989,671	\$4,064,981	\$5,870,391	\$6,139,887	\$6,001,002	\$71,027,873
Kwh Retail Sales	284,038,545	301,400,741	252,969,480	220,575,894	210,123,639	242,783,249	262,854,485	227,810,032	236,834,364	228,173,301	273,034,655	317,878,328	3,058,476,713
Cost Per Kwh	\$0.03302	\$0.02467	\$0.01800	\$0.02009	\$0.02028	\$0.03286	\$0.02254	\$0.02190	\$0.01716	\$0.02573	\$0.02249	\$0.01888	\$0.02322

ELECTRIC UTILITY - NORTH DAKOTA

	2019 1/											2020 1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$3,232,528	\$3,568,243	\$1,478,217	\$1,274,984	\$2,253,095	\$5,099,564	\$3,802,963	\$3,074,355	\$2,321,065	\$3,230,565	\$2,725,556	\$2,777,696	\$34,838,831
Account 502 Reagent	190,956	143,884	93,002	81,748	101,671	231,479	158,519	177,742	131,960	145,015	189,571	131,157	1,776,704
Account 502 Sand	22,944	21,708	3,298	16,543	22,050	24,531	20,905	23,453	22,743	18,613	24,604	32,891	254,283
Account 555 Energy	2,892,994	1,268,295	1,335,487	1,433,089	264,672	7,191	(81,939)	72,693	259,043	600,179	1,112,453	1,041,362	10,205,519
Accounts 555 Demand and 547 Pipeline Charges	222,982	242,529	223,362	223,671	276,873	283,186	278,742	278,695	213,508	233,374	223,331	223,805	2,924,058
Account 575 Market Admin.	30,019	38,872	28,082	24,530	33,143	27,731	17,033	26,496	33,852	35,408	37,916	41,163	374,245
Total F&PP Cost	\$6,592,423	\$5,283,531	\$3,161,448	\$3,054,565	\$2,951,504	\$5,673,682	\$4,196,223	\$3,653,434	\$2,982,171	\$4,263,154	\$4,313,431	\$4,248,074	\$50,373,640
Less:													
Wholesale Sales Revenue	\$5,832	\$118,707	\$10,740	\$10,402	\$13,266	\$67,383	\$126,866	\$234,456	\$69,671	\$187,801	\$23,212	\$46,008	\$914,344
Sale of RECs Revenue	0	375	0	3,338	0	0	0	0	118,224	0	0	0	121,937
Total Revenue	\$5,832	\$119,082	\$10,740	\$13,740	\$13,266	\$67,383	\$126,866	\$234,456	\$187,895	\$187,801	\$23,212	\$46,008	\$1,036,281
Net System Cost	\$6,586,591	\$5,164,449	\$3,150,708	\$3,040,825	\$2,938,238	\$5,606,299	\$4,069,357	\$3,418,978	\$2,794,276	\$4,075,353	\$4,290,219	\$4,202,066	\$49,337,359
Kwh Retail Sales	199,425,416	209,104,802	174,726,407	150,991,908	144,500,487	170,532,386	180,101,392	155,629,742	164,297,931	158,199,228	190,626,682	222,416,438	2,120,552,819
Cost Per Kwh	\$0.03303	\$0.02470	\$0.01803	\$0.02014	\$0.02033	\$0.03288	\$0.02259	\$0.02197	\$0.01701	\$0.02576	\$0.02251	\$0.01889	\$0.02327

1/ Energy is allocated on Kwh sales and demand and pipeline are allocated on Allocation Factor No. 15, Integrated System 12 Month Peak Demand.