

March 17, 2022

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-22-011
April 2022

Montana-Dakota Utilities Co. (Montana-Dakota) electronically submits its Fuel and Purchased Power (F&PP) adjustment pursuant to its Rate 58. In response to the COVID-19 pandemic, Montana-Dakota has provided an electronic copy only to further reduce the potential spread of the virus.

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 2022. 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, 2022 through March 31, 2023. The total surcharge is 0.300 cents per Kwh for primary service customers and 0.320 cents per Kwh for secondary service customers. An increase of 0.297 cents per Kwh for primary and an increase of 0.320 cents per Kwh for secondary service customers from the adjustment effective April 1, 2021.

The net effect of this F&PP adjustment is an increase of 0.254 cents per Kwh for primary service customers and an increase of 0.257 cents per Kwh for secondary service customers for service rendered in the month of April 2022 from current effective rates as shown below. The increase was the result of the increase in surcharge adjustment due to an under collected balance.

	<u>Primary</u>	<u>Secondary</u>
F&PP Effective April 1, 2022	\$0.03373	\$0.03507
F&PP Effective March 1, 2022	<u>0.03119</u>	<u>0.03250</u>
Change	\$0.00254	\$0.00257

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 may be affected by this proposal. There were 93,547 electric customers in North Dakota as of February 28, 2022.

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 submitted two checks totaling \$1,200.00 on March 3, 2021. These payments were intended to cover the filing fees associated with the monthly Fuel and Purchased Power adjustment and Cost of Gas adjustment filings in accordance with North Dakota Century Code Section 49-05-05. On October 5, 2021, Montana-Dakota was notified via letter that the North Dakota Public Service Commission is discontinuing the practice of accepting advance payment for filing fees when the existing advance payment balance is depleted. The filing fee associated with this filing should be taken from the current advance payment balance.

Montana-Dakota respectfully requests this electronic filing, in lieu of an original and two (2) physical copies, be accepted as being in full compliance with the filing requirements of this Commission.

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

Sincerely,

/s/ Travis R. Jacobson

Travis R. Jacobson
Director of Regulatory Affairs

Attachment

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC INTEGRATED SYSTEM - NORTH DAKOTA
FUEL AND PURCHASED POWER ADJUSTMENT
APRIL 2022 ADJUSTMENT**

	<u>Primary</u>	<u>Secondary</u>
Current Cost of Fuel (Page 2)	\$0.03073	\$0.03187
Prior Cost of Fuel	0.03116	0.03250
Change in Cost of Fuel	<u>(\$0.00043)</u>	<u>(\$0.00063)</u>
 <u>Surcharge Adjustment</u>		
Current Adjustment (Exhibit B)	\$0.00300	\$0.00320
Prior Adjustment	0.00003	0.00000
Change in Surcharge Adjustment	<u>\$0.00297</u>	<u>\$0.00320</u>
 Cost of Fuel	 \$0.03073	 \$0.03187
Surcharge Adjustment	0.00300	0.00320
Total	<u><u>\$0.03373</u></u>	<u><u>\$0.03507</u></u>

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

	Total 1/	Allocation to 2/ North Dakota	Allocation to 3/	
			Primary	Secondary
Fuel & Purchased Power Cost				
Accounts 501 Coal and 547 Gas	\$14,974,554	\$10,554,530	\$1,953,523	\$8,601,007
Account 502 Reagent	745,962	525,777	97,315	428,462
Account 502 Sand	134,863	95,056	17,594	77,462
Account 555 Energy	16,716,735	11,782,473	2,180,802	9,601,671
Accounts 555 Demand and 547 Pipeline Charges	1,425,409	1,012,169	99,294	912,875
Account 575 Market Admin.	167,537	118,085	21,856	96,229
Total F&PP Cost	<u>\$34,165,060</u>	<u>\$24,088,090</u>	<u>\$4,370,384</u>	<u>\$19,717,706</u>
Less:				
Wholesale Sales Revenue	\$1,152,291	\$812,171	\$150,324	\$661,847
Sale of RECs Revenue 4/	410,068	(29,113) 5/	(5,388)	(23,725)
Total Revenue	<u>\$1,562,359</u>	<u>\$783,058</u>	<u>\$144,936</u>	<u>\$638,122</u>
Net System Cost	\$32,602,701	\$23,305,032	\$4,225,448	\$19,079,584
Kwh Retail Sales	1,049,595,289	736,242,769	<u>137,489,560</u>	<u>598,753,209</u>
Cost Per Kwh	\$0.03106	\$0.03165	<u><u>\$0.03073</u></u>	<u><u>\$0.03187</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.

5/ REC Revenue end of year adjustment of (\$317,287) in December 2021 and revenue of \$288,174 in February 2022.

Factor No. 15 ND	71.009009%
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**

	2021		2022		Total
	November	December	January	February	
Fuel & Purchased Power Cost					
Accounts 501 Coal and 547 Gas	\$3,462,928	\$4,678,402	\$4,447,824	\$2,385,400	\$14,974,554
Account 502 Reagent	173,381	199,044	239,015	134,522	745,962
Account 502 Sand	40,106	50,594	44,349	(186)	134,863
Account 555 Energy 1/ Accounts 555 Demand and 547 Pipeline Charges	1,457,511	5,392,920	4,842,933	5,023,371	16,716,735
Account 575 Market Admin.	356,809	357,070	357,070	354,460	1,425,409
Total F&PP Cost	40,098	51,492	48,340	27,607	167,537
	<u>\$5,530,833</u>	<u>\$10,729,522</u>	<u>\$9,979,531</u>	<u>\$7,925,174</u>	<u>\$34,165,060</u>
Less:					
Wholesale Sales Revenue	\$602,804	\$43,754	\$428,257	\$77,476	\$1,152,291
Sale of RECs Revenue	0	0	0	410,068	410,068
Total Revenue	<u>\$602,804</u>	<u>\$43,754</u>	<u>\$428,257</u>	<u>\$487,544</u>	<u>\$1,562,359</u>
Net System Cost	\$4,928,029	\$10,685,768	\$9,551,274	\$7,437,630	\$32,602,701
Kwh Retail Sales	209,053,279	263,585,309	313,759,090	263,197,611	<u>1,049,595,289</u>
Cost Per Kwh	\$0.02357	\$0.04054	\$0.03044	\$0.02826	<u><u>\$0.03106</u></u>

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

Account No.	Account Description	2021		2022	
		November	December	January	February
	<u>Midcontinent Independent System Operator (MISO)</u>				
555.111	Day-Ahead Asset Energy	\$2,273,578	\$6,071,225	\$3,894,482	\$5,732,139
555.114	Real-Time Asset Energy	(55,946)	(175,438)	(229,293)	(5,308)
555.117	Real-Time Excessive Energy	630	45	(86)	173
555.118	Real-Time Non-Excessive Energy	(420,677)	(294,286)	(323,623)	(635,999)
555.1212	Day-Ahead Financial Bilateral Congestion Loss	(76,874)	(25,945)	(78,968)	(71,833)
555.1230	Revenue Rights Transaction	(439,146)	(585,420)	(585,420)	(585,420)
555.1232	Revenue Rights Infeasible Uplift	12,572	4,590	4,590	4,590
555.1233	Revenue Rights Stage 2 Distribution	(58,914)	(37,035)	(37,035)	(37,035)
555.1234	Auction Revenue Rights Real-Time MVP Distribution	(662)	(697)	(1,749)	(1,572)
555.132	Day-Ahead Financial Bilateral Transaction Loss	9,013	5,295	12,782	13,312
555.135	Real-Time Asset Loss	40,018	(6,705)	40,713	86,603
555.136	Real-Time Distribution of Loss	(114,772)	(113,350)	(132,440)	(94,136)
555.151	Day-Ahead Rev Suff Guarantee Distribution	15,535	7,889	11,243	8,697
555.152	Day-Ahead Rev Suff Guarantee Make Whole Pmt	(233)	(57,892)	(262)	0
555.153	Real-Time Miscellaneous	760	(93)	1,484	(1,401)
555.154	Real-Time Net Inadvertent Distribution	(14,486)	5,377	(8,133)	(1,856)
555.155	Real-Time Revenue Neutrality Uplift	265,822	52,418	58,593	82,320
555.156	Real-Time Rev Suff Guarantee First Pass Distribution	5,838	10,396	15,768	12,392
555.157	Real-Time Rev Suff Guarantee Make Whole Payment	(8,227)	0	(41,619)	0
555.159	Day-Ahead Schedule 24	5,166	6,263	6,604	5,011
555.160	Real-Time Schedule 24	917	1,027	884	716
555.162	Real-Time Price Volatility Make Whole Payment	(35,424)	(29,970)	(26,537)	(19,345)
555.164	Real-Time Schedule 49	3,992	4,482	4,645	4,414
555.1700	Day-Ahead Regulation Amount	0	(170)	(820)	(829)
555.1701	Day-Ahead Spinning Reserve Amount	(8,915)	(20,317)	(18,784)	(16,282)
555.1703	Day-Ahead Ramp Capability	(816)	(2,200)	(1,924)	(1,286)
555.1704	Day-Ahead Short Term Reserve Amount	0	(7,550)	(16,150)	(10,254)
555.1710	Real-Time Net Regulation Adjustment	2	(230)	0	135
555.1711	Real-Time Excessive Deficient Energy Deployment	11	6	44	362
555.1713	Real-Time Regulation Amount	(37)	(286)	1,199	341
555.1714	Real-Time Spinning Reserve Amount	660	6,556	1,889	2,742
555.1715	Real-Time Supplemental Reserve Amount	10	(194)	(343)	0
555.1716	Real-Time Regulation Cost Distribution	14,066	12,083	12,285	12,188
555.1717	Real-Time Spinning Reserve Cost Distribution Amount	12,195	10,131	8,814	8,909
555.1718	Real-Time Supplemental Reserve Cost Distribution	1,636	1,644	1,579	1,238
555.1719	Real-Time Demand Response Allocation Uplift	12,568	13,830	9,442	14,068
555.1720	Real-Time Ramp Capability	(136)	(1,319)	(590)	(216)
555.1721	Real-Time Short Term Cost Distribution Amount	0	6,031	6,752	5,514
555.1723	Real-Time Short Term Reserve Amount	0	170	(7,913)	742
	<u>Southwest Power Pool (SPP)</u>				
555.185	Real-Time Asset Losses	\$50,575	\$85,496	\$150,397	(\$12,052)
555.186	Real-Time Over Collected Losses	(178,403)	(118,839)	(194,665)	(231,950)
555.1915	Real-Time Asset Congestion	(262,743)	144,778	1,895,868	390,878
555.1920	Auction Revenue Rights-Daily	(45,411)	(47,718)	(68,298)	(68,298)
	<u>Other</u>				
555.X	Purchased Power	453,600	468,720	477,508	430,829
555.5	Purchased Power Cogeneration	169	122	20	130
	Total Account 555 Energy	\$1,457,511	\$5,392,920	\$4,842,933	\$5,023,371

**MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT
TO BE EFFECTIVE APRIL 1, 2022 THROUGH MARCH 31, 2023
PRIMARY**

(Over)/Under Recovered Electric Costs as of January 31, 2022 (Page 3) \$1,281,654

Less: Projected Recovery From Rates Already Established

	Volume	Rate	Amount
February 1/	32,243,569	\$0.00003	\$967
March	34,294,000	0.00003	1,029
	66,537,569		\$1,996

Additional Recovery Required \$1,279,658

Projected Sales Volumes (Kwh)

April	32,888,000	
May	34,039,000	
June	33,044,000	
July	38,282,000	
August	34,108,000	
September	31,759,000	
October	39,481,000	
November	39,888,000	
December	40,417,000	
January 2023	35,049,000	
February	33,478,000	
March	34,353,000	
Total		<u><u>426,786,000</u></u>

Total (Over)/Under Recovered Fuel Cost Adjustment
To Be Effective April 1, 2022 Through March 31, 2023 \$0.00300

1/ Based on actual volumes.

**MONTANA - DAKOTA UTILITIES CO.
ELECTRIC UTILITY - NORTH DAKOTA
FUEL AND PURCHASE POWER COST SURCHARGE ADJUSTMENT
TO BE EFFECTIVE APRIL 1, 2022 THROUGH MARCH 31, 2023
SECONDARY**

(Over)/Under Recovered Electric Costs as of January 31, 2022 (Page 4) \$5,389,457

Less: Projected Recovery From Rates Already Established

	Volume	Rate	Amount
February 1/	154,088,283	\$0.00000	\$0
March	153,085,000	0.00000	0
	307,173,283		\$0

Additional Recovery Required \$5,389,457

Projected Sales Volumes (Kwh)

April	123,973,000
May	119,844,000
June	123,710,000
July	141,530,000
August	138,471,000
September	121,418,000
October	121,799,000
November	138,425,000
December	164,328,000
January 2023	177,156,000
February	159,989,000
March	153,346,000
Total	<u><u>1,683,989,000</u></u>

Total (Over)/Under Recovered Fuel Cost Adjustment
To Be Effective April 1, 2022 through March 31, 2023 \$0.00320

1/ Based on actual volumes.

**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		Additions less Adjustment	Cumulative Balance
					Adjustment per Kwh	Adjustment Total		
Balance at January 31, 2021								(\$116,119)
February	\$618,369	(\$4)	\$618,365	32,503,949	(\$0.00195)	(\$63,383)	\$681,748	\$565,629
March	(717,552)	11	(717,541)	36,989,741	(0.00195)	(72,130)	(645,411)	(79,782)
April	(214,819)	(1)	(214,820)	33,868,276	0.00003	(37,938) 3/	(176,882)	(256,664)
May	66,409	(4)	66,405	30,831,981	0.00003	925	65,480	(191,184)
June	(368,902)	(6)	(368,908)	34,702,656	0.00003	1,041	(369,949)	(561,133)
July	213,618	(23)	213,595	38,659,214	0.00003	1,160	212,435	(348,698)
August	(111,383)	(15)	(111,398)	39,548,314	0.00003	1,186	(112,584)	(461,282)
September	200,279	(15)	200,264	34,497,526	0.00003	1,035	199,229	(262,053)
October	342,300	(11)	342,289	36,921,646	0.00003	1,108	341,181	79,128
November	124,615	2	124,617	32,371,181	0.00003	971	123,646	202,774
December	793,665	8	793,673	36,431,740	0.00003	1,093	792,580	995,354
January 2022	287,299	94	287,393	36,443,070	0.00003	1,093	286,300	1,281,654
	<u>\$1,233,898</u>	<u>\$36</u>	<u>\$1,233,934</u>	<u>423,769,294</u>		<u>(\$163,839)</u>	<u>\$1,397,773</u>	

Balance at January 31, 2022

\$1,281,654

1/ See page 5.

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

3/ Reflects 19,673.663 @ (\$0.00195) per Kwh and 14,194.613 @ \$0.00003 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/	Interest 2/	Total Additions	Actual Kwh Sales	Surcharge		Additions less Adjustment	Cumulative Balance
					Adjustment per Kwh	Adjustment Total		
Balance at January 31, 2021								(\$572,536)
February	\$2,934,563	(\$19)	\$2,934,544	154,772,427	(\$0.00187)	(\$289,424)	\$3,223,968	\$2,651,432
March	(3,264,511)	50	(3,264,461)	165,115,999	(0.00187)	(308,767)	(2,955,694)	(304,262)
April	(780,691)	(5)	(780,696)	127,666,716	0.00000	(146,193) 3/	(634,503)	(938,765)
May	271,940	(16)	271,924	108,553,862	0.00000	0	271,924	(666,841)
June	(1,321,930)	(22)	(1,321,952)	129,921,928	0.00000	0	(1,321,952)	(1,988,793)
July	889,319	(83)	889,236	142,926,702	0.00000	0	889,236	(1,099,557)
August	(464,890)	(46)	(464,936)	160,556,096	0.00000	0	(464,936)	(1,564,493)
September	815,325	(52)	815,273	131,890,129	0.00000	0	815,273	(749,220)
October	1,129,739	(31)	1,129,708	113,904,490	0.00000	0	1,129,708	380,488
November	449,390	12	449,402	112,340,711	0.00000	0	449,402	829,890
December	3,224,359	31	3,224,390	148,123,494	0.00000	0	3,224,390	4,054,280
January 2022	1,334,794	383	1,335,177	184,200,721	0.00000	0	1,335,177	5,389,457
	\$5,217,407	\$202	\$5,217,609	1,679,973,275		(\$744,384)	\$5,961,993	\$5,389,457

Balance at January 31, 2022

1/ See page 6.

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

3/ Reflects 78,178,289 @ (\$0.00187) per Kwh and 49,488,427 @ \$0.00000 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

	2021 /1/												2022 /1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January		
Fuel & Purchased Power Cost														
Accounts 501 Coal and 547 Gas	\$565,685	\$566,154	\$371,052	\$509,331	\$577,411	\$670,624	\$520,135	\$451,869	\$637,252	\$534,585	\$644,125	\$514,075	\$6,562,298	
Account 502 Reagent	31,095	31,376	22,613	25,229	32,041	36,051	35,349	24,463	18,035	26,765	27,404	27,625	338,046	
Account 502 Sand	5,095	5,876	3,542	6,433	6,616	7,318	7,710	3,561	7,553	6,191	6,966	5,126	71,987	
Account 555 Energy	673,950	(540,470)	180,593	268,562	(300,346)	247,201	278,557	247,193	383,850	225,001	742,500	559,741	2,966,332	
Accounts 555 Demand and														
547 Pipeline Charges	21,865	22,003	21,739	21,767	30,403	35,683	26,198	31,547	32,090	24,874	24,892	24,873	317,934	
Account 575 Market Adim.	6,083	3,886	5,954	6,239	5,631	5,550	5,112	4,971	6,212	6,190	7,089	5,587	68,504	
Total F&PP Cost	\$1,303,773	\$88,825	\$605,493	\$837,561	\$351,756	\$1,002,427	\$873,061	\$763,604	\$1,084,992	\$823,606	\$1,452,976	\$1,137,027	\$10,325,101	
Less:														
Wholesale Sales Revenue	\$13,909	\$8,428	\$656	\$13,238	\$10,731	\$9,718	\$29,366	\$23,528	\$21,099	\$93,057	\$5,024	\$49,498	\$279,252	
Sales of RECs Revenue 2/	353	229	0	0	0	0	246,271	0	0	0	(62,085)	0	184,768	
Total Revenue	\$14,262	\$8,657	\$656	\$13,238	\$10,731	\$9,718	\$275,637	\$23,528	\$21,099	\$93,057	(\$56,061)	\$49,498	\$464,020	
Net System Cost	\$1,289,511	\$80,168	\$604,837	\$824,323	\$341,025	\$992,709	\$597,424	\$740,076	\$1,063,893	\$730,549	\$1,509,037	\$1,087,529	\$9,861,081	
Kwh Retail Sales	32,503,949	36,989,741	33,868,276	30,831,981	34,702,656	38,659,214	39,548,314	34,497,526	36,921,646	32,371,181	36,431,740	36,443,070	423,769,294	
Cost per Kwh	\$0.03967	\$0.00217	\$0.01786	\$0.02674	\$0.00983	\$0.02568	\$0.01511	\$0.02145	\$0.02881	\$0.02257	\$0.04142	\$0.02984	\$0.02327	
Recovered through Rates	\$671,142	\$797,720	\$819,656	\$757,914	\$709,927	\$779,091	\$708,807	\$539,797	\$721,593	\$605,934	\$715,372	\$800,230	\$8,627,183	
Total (Over)/Under Recovered	\$618,369	\$717,552	(\$214,819)	\$66,409	(\$368,902)	\$213,618	(\$111,383)	\$200,279	\$342,300	\$124,615	\$793,665	\$287,299	\$1,233,898	

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.

3/ REC Revenue end of year adjustment.

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

	2021 /1/												Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$2,723,233	\$2,555,025	\$1,414,072	\$1,812,996	\$2,185,533	\$2,506,640	\$2,134,849	\$1,748,582	\$1,987,575	\$1,875,632	\$2,647,688	\$2,626,972	\$26,216,797
Account 502 Reagent	149,691	141,599	86,177	89,802	121,275	134,750	145,085	94,555	56,249	93,909	112,647	141,167	1,366,906
Account 502 Sand	24,526	26,519	13,497	22,898	25,044	27,352	31,647	13,763	23,558	21,723	28,633	26,193	285,353
Account 555 Energy	3,244,426	(2,439,112)	688,237	955,964	(1,136,824)	923,981	1,143,316	955,461	1,197,219	789,435	3,052,061	2,860,332	12,234,496
Accounts 555 Demand and 547 Pipeline Charges	201,023	202,287	199,866	200,122	279,519	328,060	240,854	290,029	295,028	228,683	228,850	228,679	2,923,000
Account 575 Market Adm.	29,284	17,540	22,692	22,208	21,316	20,747	20,982	19,213	19,376	21,718	29,142	28,551	272,769
Total F&PP Cost	\$6,372,183	\$503,858	\$2,424,541	\$3,103,990	\$1,495,863	\$3,941,530	\$3,716,733	\$3,119,603	\$3,579,005	\$3,031,100	\$6,099,021	\$5,911,894	\$43,299,321
Less:													
Wholesale Sales Revenue	\$68,956	\$38,034	\$2,500	\$47,122	\$40,618	\$36,324	\$120,529	\$90,943	\$65,809	\$326,498	\$24,762	\$252,937	\$1,113,032
Sales of RECs Revenue 2/	1,701	1,035	0	0	0	0	1,010,797	0	0	0	(255,202) 3/	0	758,331
Total Revenue	\$68,657	\$39,069	\$2,500	\$47,122	\$40,618	\$36,324	\$1,131,326	\$90,943	\$65,809	\$326,498	(\$230,440)	\$252,937	\$1,871,363
Net System Cost	\$6,303,526	\$464,789	\$2,422,041	\$3,056,868	\$1,455,245	\$3,905,206	\$2,585,407	\$3,028,660	\$3,513,196	\$2,704,602	\$6,329,461	\$5,658,957	\$41,427,958
Kwh Retail Sales	154,772,427	165,115,999	127,666,716	108,553,862	129,921,928	142,926,702	160,556,096	131,890,129	113,904,490	112,340,711	148,123,494	184,200,721	1,679,973,275
Cost per Kwh	\$0.04073	\$0.00281	\$0.01897	\$0.02816	\$0.01120	\$0.02732	\$0.01610	\$0.02296	\$0.03084	\$0.02407	\$0.04273	\$0.03072	\$0.02466
Recovered through Rates	\$3,368,963	\$3,729,300	\$3,202,732	\$2,784,928	\$2,777,175	\$3,015,887	\$3,050,297	\$2,213,335	\$2,383,457	\$2,255,212	\$3,105,102	\$4,324,163	\$36,210,551
Total (Over)/Under Recovered	\$2,934,563	(\$3,264,511)	(\$780,691)	\$271,940	(\$1,321,930)	\$889,319	(\$464,890)	\$615,325	\$1,129,739	\$449,390	\$3,224,359	\$1,334,794	\$5,217,407

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.

3/ REC Revenue end of year adjustment.

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

	2021												2022	
	February	March	April	May	June	July	August	September	October	November	December	January	Total	
Fuel & Purchased Power Cost														
Accounts 501 Coal and 547 Gas	\$4,611,329	\$4,389,366	\$2,540,447	\$3,318,261	\$3,915,038	\$4,549,980	\$3,763,441	\$3,114,281	\$3,744,865	\$3,462,928	\$4,678,402	\$4,447,824	\$46,536,162	
Account 502 Reagent	253,476	243,258	154,821	164,362	217,246	244,594	255,766	168,598	105,982	173,381	199,044	239,015	2,419,543	
Account 502 Sand	41,531	45,557	24,248	41,910	44,861	49,649	55,788	24,541	44,387	40,106	50,594	44,349	507,521	
Account 555 Energy	5,493,880	(4,190,237)	1,236,450	1,749,666	(2,036,442)	1,677,183	2,015,506	1,703,655	2,255,727	1,457,511	5,392,920	4,842,933	21,598,751	
Accounts 555 Demand and 547 Pipeline Charges	313,651	315,624	311,846	312,246	436,127	511,865	375,800	452,526	460,326	356,809	357,070	357,070	4,560,960	
Account 575 Market Admin.	49,587	30,132	40,767	40,647	38,184	37,658	36,988	34,259	36,507	40,098	51,492	48,340	484,659	
Total F&PP Cost	\$10,763,454	\$833,700	\$4,308,579	\$5,627,092	\$2,615,014	\$7,070,929	\$6,503,289	\$5,497,860	\$6,647,793	\$5,530,833	\$10,729,522	\$9,979,531	\$76,107,596	
Less:														
Wholesale Sales Revenue	\$113,379	\$65,340	\$4,491	\$66,245	\$72,761	\$65,934	\$212,476	\$162,157	\$123,992	\$602,804	\$43,754	\$428,257	\$1,981,590	
Sale of RECS Revenue	2,198	1,351	0	0	0	0	1,345,050	0	0	0	0	0	1,348,599	
Total Revenue	\$115,577	\$66,691	\$4,491	\$66,245	\$72,761	\$65,934	\$1,557,526	\$162,157	\$123,992	\$602,804	\$43,754	\$428,257	\$3,330,189	
Net System Cost	\$10,647,877	\$767,009	\$4,304,088	\$5,540,847	\$2,542,253	\$7,004,995	\$4,945,763	\$5,335,703	\$6,523,801	\$4,928,029	\$10,685,768	\$9,551,274	\$72,777,407	
Kwh Retail Sales	263,858,496	285,398,673	231,013,607	200,230,540	234,424,278	281,279,652	284,916,509	236,841,037	216,281,561	209,063,279	263,585,309	313,759,090	3,000,642,031	
Cost Per Kwh	\$0.04035	\$0.00269	\$0.01863	\$0.02767	\$0.01084	\$0.02681	\$0.01736	\$0.02253	\$0.03016	\$0.02357	\$0.04054	\$0.03044	\$0.02425	

ELECTRIC UTILITY - NORTH DAKOTA

	2021 1/												2022 1/	
	February	March	April	May	June	July	August	September	October	November	December	January	Total	
Fuel & Purchased Power Cost														
Accounts 501 Coal and 547 Gas	\$3,288,918	\$3,121,179	\$1,785,124	\$2,322,327	\$2,762,944	\$3,177,264	\$2,654,984	\$2,198,451	\$2,624,827	\$2,410,217	\$3,291,813	\$3,141,047	\$32,779,095	
Account 502 Reagent	180,786	172,975	108,790	115,031	153,316	170,801	180,434	119,018	74,284	120,674	140,051	168,792	1,704,952	
Account 502 Sand	29,621	32,395	17,039	29,331	31,660	34,670	39,367	21,324	31,111	27,914	35,599	31,319	357,340	
Account 555 Energy	3,918,376	(2,979,582)	868,830	1,224,526	(1,437,170)	1,171,182	1,421,873	1,202,654	1,581,069	1,014,436	3,794,561	3,420,073	15,200,828	
Accounts 555 Demand and 547 Pipeline Charges	222,888	224,290	221,605	221,889	309,922	363,743	267,052	321,576	327,118	253,557	253,742	253,552	3,240,934	
Account 575 Market Admin.	35,367	21,426	28,646	28,447	26,947	26,297	26,094	24,184	25,588	27,908	36,231	34,138	341,273	
Total F&PP Cost	\$7,675,956	\$592,683	\$3,030,034	\$3,941,551	\$1,847,619	\$4,943,957	\$4,589,794	\$3,883,207	\$4,663,997	\$3,854,706	\$7,551,997	\$7,048,921	\$53,624,422	
Less:														
Wholesale Sales Revenue	\$80,865	\$46,462	\$3,156	\$60,360	\$51,349	\$46,042	\$149,895	\$114,471	\$86,908	\$419,555	\$30,786	\$302,435	\$1,392,284	
Sale of RECS Revenue	2,054	1,264	0	0	0	0	1,257,068	0	0	0	(317,287)	0	943,099	
Total Revenue	\$82,919	\$47,726	\$3,156	\$60,360	\$51,349	\$46,042	\$1,406,963	\$114,471	\$86,908	\$419,555	(\$286,501)	\$302,435	\$2,335,383	
Net System Cost	\$7,593,037	\$544,957	\$3,026,878	\$3,881,191	\$1,796,270	\$4,897,915	\$3,182,831	\$3,768,736	\$4,577,089	\$3,435,151	\$7,838,498	\$6,746,486	\$51,289,039	
Kwh Retail Sales	187,276,376	202,105,740	161,534,992	139,385,843	164,624,584	181,585,916	200,104,410	166,387,655	150,828,136	144,711,892	184,555,234	220,643,791	2,103,742,569	
Cost Per Kwh	\$0.04054	\$0.00270	\$0.01874	\$0.02784	\$0.01091	\$0.02697	\$0.01591	\$0.02265	\$0.03035	\$0.02374	\$0.04247	\$0.03058	\$0.02438	

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