



UTILITIES CO.

A Subsidiary of MDU Resources Group, Inc.

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

March 18, 2019

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-19-011  
April 2019

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 2019. 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, 2019 through March 31, 2020. The total surcharge is a positive \$0.00103 per Kwh for primary service customers and a positive \$0.00090 per Kwh for secondary service customers. An increase of 0.118 cents per Kwh for primary and an increase of 0.115 cents per Kwh for secondary service customers from the adjustment effective April 1, 2018.

The net effect of this F&PP adjustment is an increase of 0.210 cents per Kwh for primary service customers and an increase of 0.197 cents per Kwh for secondary service customers for service rendered in the month of April 2019 from current effective rates as shown below. The increase was largely the result of a per unit increase in MISO market prices as well as an increase in MISO purchases.

	<u>Primary</u>	<u>Secondary</u>
F&PP Effective April 1, 2019	\$0.02910	\$0.02983
F&PP Effective March 1, 2019	<u>0.02700</u>	<u>0.02786</u>
Change	\$0.00210	\$0.00197

The current and historical Fuel and Purchased Power Adjustment for primary and secondary service customers can be found at [www.montana-dakota.com/rates-and-services](http://www.montana-dakota.com/rates-and-services).

All of Montana-Dakota's retail electric customers in North Dakota will be affected by this proposal. There were 92,826 electric customers in North Dakota as of February 28, 2019.

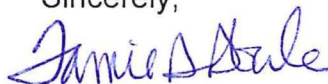
In response to Paragraph No. 11 of NDAC Section 69-09-02-39, Montana-Dakota purchases natural gas used for electric generation from its own gas operations or transports natural gas purchased from others under the applicable gas tariff approved and on file with the Commission in the state where the purchase 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 for March 2019 through February 2020 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) 222-7856 or [Tamie.Aberle@mdu.com](mailto:Tamie.Aberle@mdu.com).

Sincerely,



Tamie A. Aberle  
Director of Regulatory Affairs

Attachment

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

	<u>Primary</u>	<u>Secondary</u>
Current Cost of Fuel (Page 2)	\$0.02807	\$0.02893
Prior Cost of Fuel	0.02715	0.02811
Change in Cost of Fuel	<u>\$0.00092</u>	<u>\$0.00082</u>
 <u>Surcharge Adjustment</u>		
Current Adjustment (Exhibit B)	\$0.00103	\$0.00090
Prior Adjustment	<u>(0.00015)</u>	<u>(0.00025)</u>
Change in Surcharge Adjustment	<u>\$0.00118</u>	<u>\$0.00115</u>
 Cost of Fuel	 \$0.02807	 \$0.02893
Surcharge Adjustment	<u>0.00103</u>	<u>0.00090</u>
Total	<u><u>\$0.02910</u></u>	<u><u>\$0.02983</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	\$19,246,764	\$13,294,733	\$2,130,369	\$11,164,364
Account 502 Reagent	965,904	667,200	106,913	560,287
Account 502 Sand	154,967	107,044	17,153	89,891
Account 555 Energy	10,057,449	6,947,199	1,113,230	5,833,969
Accounts 555 Demand and 547 Pipeline Charges	1,260,152	893,765	87,678	806,087
Account 575 Market Admin.	193,840	133,895	21,456	112,439
Total F&PP Cost	<u>\$31,879,076</u>	<u>\$22,043,836</u>	<u>\$3,476,799</u>	<u>\$18,567,037</u>
Less:				
Wholesale Sales Revenue	\$662,030	\$457,298	\$73,278	\$384,020
Sale of RECs Revenue 4/	143,000	133,644	21,415	112,229
Total Revenue	<u>\$805,030</u>	<u>\$590,942</u>	<u>\$94,693</u>	<u>\$496,249</u>
Net System Cost	\$31,074,046	\$21,452,894	\$3,382,106	\$18,070,788
Kwh Retail Sales	1,078,654,437	745,082,279	<u>120,494,430</u>	<u>624,587,849</u>
Cost Per Kwh	\$0.02881	\$0.02879	<u>\$0.02807</u>	<u>\$0.02893</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	70.925157%
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**

	2018		2019		Total
	November	December	January	February	
Fuel & Purchased Power Cost					
Accounts 501 Coal and 547 Gas	\$4,523,766	\$5,052,666	\$5,066,292	\$4,604,040	\$19,246,764
Account 502 Reagent	144,362	317,039	232,527	271,976	965,904
Account 502 Sand	39,489	46,872	35,927	32,679	154,967
Account 555 Energy 1/ Accounts 555 Demand and 547 Pipeline Charges	3,000,589	1,076,042	1,860,371	4,120,447	10,057,449
Account 575 Market Admin.	315,038	315,324	315,399	314,391	1,260,152
Total F&PP Cost	<u>\$8,087,049</u>	<u>\$6,860,666</u>	<u>\$7,545,072</u>	<u>\$9,386,289</u>	<u>\$31,879,076</u>
Less:					
Wholesale Sales Revenue	\$83,855	\$448,185	\$121,684	\$8,306	\$662,030
Sale of RECs Revenue	0	143,000	0	0	143,000
Total Revenue	<u>\$83,855</u>	<u>\$591,185</u>	<u>\$121,684</u>	<u>\$8,306</u>	<u>\$805,030</u>
Net System Cost	\$8,003,194	\$6,269,481	\$7,423,388	\$9,377,983	\$31,074,046
Kwh Retail Sales	226,777,607	266,896,543	300,941,742	284,038,545	<u>1,078,654,437</u>
Cost Per Kwh	\$0.03529	\$0.02349	\$0.02467	\$0.03302	<u><u>\$0.02881</u></u>

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

Account No.	Account Description	2018		2019	
		November	December	January	February
	<u>Midcontinent Independent System Operator (MISO)</u>				
555.111	Day-Ahead Asset Energy	\$3,694,049	\$1,860,741	\$3,027,648	\$4,045,712
555.114	Real-Time Asset Energy	48,933	(20,082)	(102,128)	(77,147)
555.117	Real-Time Excessive Energy	2,648	269	372	523
555.118	Real-Time Non-Excessive Energy	(964,915)	(852,811)	(623,515)	(572,608)
555.1230	Revenue Rights Transaction	(65,838)	(7,662)	(7,662)	(7,662)
555.1232	Revenue Rights Infeasible Uplift	8,772	2,850	2,851	2,850
555.1233	Revenue Rights Stage 2 Distribution	(19,186)	(23,984)	(23,701)	(24,073)
555.1234	Auction Revenue Rights Real-Time MVP Distribution	(199)	(5,189)	37	(5,227)
555.135	Real-Time Asset Loss	(90,828)	(98,096)	(163,714)	16,401
555.136	Real-Time Distribution of Loss	(28,246)	(16,270)	(41,180)	(81,629)
555.151	Day-Ahead Rev Suff Guarantee Distribution	10,586	9,024	7,209	8,442
555.152	Day-Ahead Rev Suff Guarantee Make Whole Pmt	0	0	(2,011)	(80)
555.153	Real-Time Miscellaneous	12,566	27,084	14,730	12,057
555.154	Real-Time Net Inadvertent Distribution	(1,983)	6,031	(4,029)	(5,759)
555.155	Real-Time Revenue Neutrality Uplift	33,062	19,012	41,348	92,656
555.156	Real-Time Rev Suff Guarantee First Pass Distribution	12,502	4,129	7,549	14,590
555.157	Real-Time Rev Suff Guarantee Make Whole Payment	(14,813)	(24,577)	(93,437)	(197,387)
555.159	Day-Ahead Schedule 24	6,408	6,746	6,586	6,067
555.160	Real-Time Schedule 24	1,007	1,053	971	853
555.162	Real-Time Price Volatility Make Whole Payment	(555)	(1,784)	(1,068)	(1,602)
555.1701	Day-Ahead Spinning Reserve Amount	(10,279)	(6,720)	(7,759)	(1,443)
555.1703	Day-Ahead Ramp Capability	(2,973)	(1,479)	(1,146)	(148)
555.1711	Real-Time Excessive Deficient Energy Deployment	333	290	153	182
555.1714	Real-Time Spinning Reserve Amount	(471)	(3,397)	(18,097)	(5,595)
555.1715	Real-Time Supplemental Reserve Amount	0	0	(11,267)	(1,213)
555.1716	Real-Time Regulation Cost Distribution	13,405	13,514	9,718	8,547
555.1717	Real-Time Spinning Reserve Cost Distribution Amount	13,662	10,733	11,704	7,640
555.1718	Real-Time Supplemental Reserve Cost Distribution	1,749	1,818	2,170	2,161
555.1720	Real-Time Ramp Capability	(574)	(606)	(564)	(653)
	<u>Southwest Power Pool (SPP)</u>				
555.185	Real-Time Asset Losses	\$1,634	(\$48,273)	(\$5,229)	\$137,490
555.186	Real-Time Over Collected Losses	(114,251)	(85,337)	(115,602)	(79,856)
555.1915	Real-Time Asset Congestion	449,735	308,303	(51,531)	819,464
555.1920	Auction Revenue Rights-Daily	1,020	712	964	643
	<u>Other</u>				
555.1	Purchased Power	\$3,627	\$0	\$0	\$6,250
555.5	Purchased Power Cogeneration	2	0	1	1
	Total Account 555 Energy	<u>\$3,000,589</u>	<u>\$1,076,042</u>	<u>\$1,860,371</u>	<u>\$4,120,447</u>

**MONTANA-DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
FUEL AND PURCHASED POWER COST SURCHARGE ADJUSTMENT  
TO BE EFFECTIVE APRIL 1, 2019 THROUGH MARCH 31, 2020  
PRIMARY**

(Over)/Under Recovered Electric Costs as of January 31, 2019 (Page 3) \$384,343

Less: Projected Recovery From Rates Already Established

	Volume	Rate	Amount
February	29,506,990	(\$0.00015)	(\$4,426)
March	29,895,000	(0.00015)	(4,484)
	59,401,990		(\$8,910)

Additional Recovery Required \$393,253

Projected Sales Volumes (Kwh)

April 2019	27,919,000	
May	31,734,000	
June	31,917,000	
July	34,673,000	
August	32,184,000	
September	32,294,000	
October	31,712,000	
November	33,091,000	
December	34,419,000	
January 2020	33,529,000	
February	29,111,000	
March	30,242,000	
Total		<u><u>382,825,000</u></u>

Total (Over)/Under Recovered Fuel Cost Adjustment  
To Be Effective April 1, 2019 Through March 31, 2020 \$0.00103

**MONTANA - DAKOTA UTILITIES CO.  
ELECTRIC UTILITY - NORTH DAKOTA  
FUEL AND PURCHASE POWER COST SURCHARGE ADJUSTMENT  
TO BE EFFECTIVE APRIL 1, 2019 THROUGH MARCH 31, 2020  
SECONDARY**

(Over)/Under Recovered Electric Costs as of January 31, 2019 (Page 4) \$1,512,581

Less: Projected Recovery From Rates Already Established

	Volume	Rate	Amount
February	169,918,426	(\$0.00025)	(\$42,480)
March	152,565,000	(0.00025)	(38,141)
	322,483,426		(\$80,621)

Additional Recovery Required \$1,593,202

Projected Sales Volumes (Kwh)

April 2019	133,911,000
May	125,076,000
June	127,082,000
July	152,868,000
August	146,365,000
September	134,163,000
October	128,986,000
November	152,860,000
December	174,937,000
January 2020	175,123,000
February	167,636,000
March	154,336,000
 Total	 <u>1,773,343,000</u>

Total (Over)/Under Recovered Fuel Cost Adjustment  
To Be Effective April 1, 2019 through March 31, 2020 \$0.00090

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/	Adjustments	Interest 2/	Total Additions	Actual Kwh Sales	Surcharge		Additions less Adjustment	Comulative Balance
						Adjustment per Kwh	Adjustment Total		
<b>Balance at January 31, 2018</b>									<b>(\$71,303)</b>
February	\$41,820	\$0	(\$93)	\$41,727	29,089,626	(\$0.00021)	(\$6,109)	\$47,836	(\$23,467)
March	(138,800)	0	(33)	(138,833)	33,427,586	(0.00021)	(7,020)	(131,813)	(155,280)
April	(140,723)	0	(228)	(140,951)	29,821,486	(0.00015)	(5,618) 3/	(135,333)	(290,613)
May	(7,894)	0	(450)	(8,344)	31,868,379	(0.00015)	(4,780)	(3,564)	(294,177)
June	(31,063)	0	(465)	(31,528)	32,459,445	(0.00015)	(4,869)	(26,659)	(320,836)
July	158,256	0	(522)	157,734	31,803,185	(0.00015)	(4,770)	162,504	(158,332)
August	96,141	0	(265)	95,876	34,601,714	(0.00015)	(5,190)	101,066	(57,266)
September	31,202	0	(98)	31,104	30,074,503	(0.00015)	(4,511)	35,615	(21,651)
October	199,745	0	(37)	199,708	31,013,706	(0.00015)	(4,652)	204,360	182,709
November	293,700	0	271	293,971	26,994,981	(0.00015)	(4,049)	298,020	480,729
December	(42,041)	0	721	(41,320)	30,375,621	(0.00015)	(4,556)	(36,764)	443,965
January 2019	(65,330)	0	665	(64,665)	33,616,838	(0.00015)	(5,043)	(59,622)	384,343
	<u>\$395,013</u>	<u>\$0</u>	<u>(\$534)</u>	<u>\$394,479</u>	<u>375,147,070</u>		<u>(\$61,167)</u>	<u>\$455,646</u>	
<b>Balance at January 31, 2019</b>									<b><u>\$384,343</u></b>

1/ See page 5.

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

3/ Reflects 19,085,353 @ (\$0.00021) per Kwh and 10,736,133 @ (\$0.00015) 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		
<b>Balance at January 31, 2018</b>									<b>(\$601,659)</b>
February	\$192,122	\$0	(\$787)	\$191,335	163,521,492	(\$0.00052)	(\$85,031)	\$276,366	(\$325,293)
March	(758,853)	0	(460)	(759,313)	170,591,730	(0.00052)	(88,708)	(670,605)	(995,898)
April	(679,762)	0	(1,459)	(681,221)	143,036,108	(0.00025)	(60,341)	(620,880)	(1,616,778)
May	13,013	0	(2,502)	10,511	125,606,726	(0.00025)	(31,402)	41,913	(1,574,865)
June	(42,792)	0	(2,485)	(45,277)	129,243,886	(0.00025)	(32,311)	(12,966)	(1,587,831)
July	753,269	0	(2,581)	750,688	140,217,820	(0.00025)	(35,054)	785,742	(802,089)
August	461,580	0	(1,339)	460,241	157,360,623	(0.00025)	(39,340)	499,581	(302,508)
September	164,186	0	(516)	163,670	124,941,623	(0.00025)	(31,235)	194,905	(107,603)
October	812,211	0	(179)	812,032	126,147,963	(0.00025)	(31,537)	843,569	735,966
November	1,353,247	0	1,098	1,354,345	124,702,187	(0.00025)	(31,176)	1,385,521	2,121,487
December	(274,414)	0	3,184	(271,230)	154,383,700	(0.00025)	(38,596)	(232,634)	1,888,853
January 2019	(423,000)	0	2,832	(420,168)	175,583,536	(0.00025)	(43,896)	(376,272)	1,512,581
	<u>\$1,570,807</u>	<u>\$0</u>	<u>(\$5,194)</u>	<u>\$1,565,613</u>	<u>1,735,337,394</u>		<u>(\$548,627)</u>	<u>\$2,114,240</u>	
<b>Balance at January 31, 2019</b>									<b><u>\$1,512,581</u></b>

1/ See page 6.

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

4/ Reflects 91,044,383 @ (\$0.00052) per Kwh and 51,991,725 @ (\$0.00025) 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

	2018 1/											2019 1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$497,572	\$516,868	\$341,225	\$519,516	\$638,940	\$656,794	\$622,909	\$535,007	\$450,622	\$533,669	\$569,807	\$560,754	\$6,443,683
Account 502 Reagent	15,748	22,147	10,976	74,284	27,656	29,544	36,423	29,214	36,595	17,030	35,754	25,737	361,108
Account 502 Sand	14,142	16,510	12,984	(46,292)	4,635	4,209	4,197	5,623	4,977	4,658	5,286	3,977	34,906
Account 555 Energy	155,877	62,423	179,818	175,443	(3,808)	117,598	130,702	73,620	393,284	353,980	121,349	205,912	1,966,198
Accounts 555 Demand and													
547 Pipeline Charges	26,796	21,987	21,960	21,985	27,315	27,343	27,338	27,325	21,638	21,956	21,976	21,945	289,564
Account 575 Market Adim.	3,866	6,145	6,062	5,105	5,764	5,229	4,058	5,230	6,525	7,527	5,946	3,825	65,282
Total F&PP Cost	\$714,001	\$646,080	\$573,025	\$750,041	\$700,502	\$840,717	\$825,627	\$676,019	\$913,641	\$938,820	\$760,118	\$822,150	\$9,160,741
Less:													
Wholesale Sales Revenue	\$1,050	\$10,401	\$1,417	\$6,524	\$16,144	\$6,647	\$4,678	\$7,547	\$6,094	\$9,892	\$50,543	\$13,468	\$134,415
Sales of RECs Revenue 2/	14,270	0	8,467	0	0	0	0	867	0	0	21,772	0	45,376
Total Revenue	\$15,330	\$10,401	\$9,884	\$6,524	\$16,144	\$6,647	\$4,678	\$8,414	\$6,094	\$9,892	\$72,315	\$13,468	\$179,791
Net System Cost	\$698,671	\$635,679	\$563,141	\$743,517	\$684,358	\$834,070	\$820,949	\$667,605	\$907,547	\$928,928	\$687,803	\$808,682	\$8,980,950
Kwh Retail Sales	29,089,626	33,427,586	29,821,486	31,868,379	32,459,445	31,803,185	34,601,714	30,074,503	31,013,706	26,994,981	30,375,621	33,616,838	375,147,070
Cost per Kwh	\$0.02402	\$0.01902	\$0.01888	\$0.02333	\$0.02108	\$0.02623	\$0.02373	\$0.02220	\$0.02926	\$0.03441	\$0.02264	\$0.02406	\$0.02394
Recovered through Rates	\$656,851	\$774,479	\$703,864	\$751,411	\$715,421	\$675,814	\$724,808	\$636,403	\$707,802	\$635,228	\$729,844	\$874,012	\$8,585,937
(Over)/Under Recovery	\$41,820	(\$138,800)	(\$140,723)	(\$7,894)	(\$31,063)	\$158,256	\$96,141	\$31,202	\$199,745	\$293,700	(\$42,041)	(\$65,330)	\$395,013

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

	2018 1/											2019 1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
Fuel & Purchased Power Cost													
Accounts 501 Coal and 547 Gas	\$2,827,774	\$2,666,769	\$1,654,665	\$2,070,160	\$2,572,062	\$2,927,620	\$2,864,016	\$2,247,092	\$1,853,071	\$2,492,390	\$2,927,905	\$2,961,091	\$30,064,615
Account 502 Reagent	89,498	114,264	53,226	296,008	111,332	131,692	167,467	122,702	150,490	79,537	183,716	135,905	1,635,837
Account 502 Sand	80,373	85,180	62,959	(184,464)	18,660	18,759	19,295	23,617	20,467	21,757	27,161	20,998	214,762
Account 555 Energy	885,874	322,067	871,969	699,102	(15,328)	524,188	600,945	309,212	1,617,280	1,653,188	623,542	1,087,329	9,179,368
Accounts 555 Demand and 547 Pipeline Charges	246,358	202,144	201,890	202,121	251,128	251,380	251,332	251,222	198,935	201,853	202,037	201,752	2,662,152
Account 575 Market Adim.	21,972	31,707	29,395	20,344	23,203	23,310	18,658	21,967	26,633	35,154	30,552	20,197	303,292
Total F&PP Cost	\$4,151,849	\$3,422,131	\$2,874,104	\$3,103,271	\$2,961,057	\$3,876,949	\$3,921,713	\$2,975,812	\$3,867,076	\$4,483,879	\$3,994,913	\$4,427,272	\$44,060,026
Less:													
Wholesale Sales Revenue	\$6,024	\$53,661	\$6,874	\$25,998	\$64,987	\$29,627	\$21,507	\$31,700	\$25,062	\$46,201	\$259,713	\$71,121	\$642,475
Sales of RECs Revenue 2/	81,096	0	41,059	0	0	0	0	3,642	0	0	111,872	0	237,669
Total Revenue	\$87,120	\$53,661	\$47,933	\$25,998	\$64,987	\$29,627	\$21,507	\$35,342	\$25,062	\$46,201	\$371,585	\$71,121	\$880,144
Net System Cost	\$4,064,729	\$3,368,470	\$2,826,171	\$3,077,273	\$2,896,070	\$3,847,322	\$3,900,206	\$2,940,470	\$3,842,014	\$4,437,678	\$3,623,328	\$4,356,151	\$43,179,882
Kwh Retail Sales	163,521,492	170,591,730	143,036,108	125,606,726	129,243,886	140,217,820	157,360,623	124,941,623	126,147,963	124,702,187	154,383,700	175,583,536	1,735,337,394
Cost per Kwh	\$0.02486	\$0.01975	\$0.01976	\$0.02450	\$0.02241	\$0.02744	\$0.02479	\$0.02353	\$0.03046	\$0.03559	\$0.02347	\$0.02481	\$0.02488
Recovered through Rates	\$3,872,607	\$4,127,323	\$3,505,933	\$3,064,260	\$2,938,862	\$3,094,053	\$3,438,626	\$2,776,284	\$3,029,803	\$3,084,431	\$3,897,742	\$4,779,151	\$41,609,075
(Over)/Under Recovery	\$192,122	(\$758,853)	(\$679,762)	\$13,013	(\$42,792)	\$753,269	\$461,580	\$164,186	\$812,211	\$1,353,247	(\$274,414)	(\$423,000)	\$1,570,807

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**

	2018											2019	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
<b>Fuel &amp; Purchased Power Cost</b>													
Accounts 501 Coal and 547 Gas	\$4,805,577	\$4,631,244	\$2,881,716	\$3,757,232	\$4,615,247	\$5,107,124	\$5,099,274	\$4,064,077	\$3,400,347	\$4,523,766	\$5,052,666	\$5,066,292	\$53,004,562
Account 502 Reagent	152,095	198,438	92,697	537,239	199,771	229,731	298,168	221,918	276,145	144,362	317,039	232,527	2,900,130
Account 502 Sand	136,567	147,929	109,649	(334,793)	33,483	32,725	34,354	42,713	37,556	39,489	46,872	35,927	362,491
Account 555 Energy	1,505,472	559,319	1,518,597	1,268,834	(27,504)	914,426	1,069,959	559,239	2,967,676	3,000,589	1,076,042	1,860,371	16,273,020
Accounts 555 Demand and 547 Pipeline Charges	384,496	315,491	315,095	315,456	391,941	392,336	392,261	392,087	310,483	315,038	315,324	315,399	4,155,407
Account 575 Market Admin.	37,340	55,063	51,194	36,923	41,635	40,663	33,220	39,729	49,238	63,805	52,723	34,556	536,089
<b>Total F&amp;PP Cost</b>	<b>\$7,021,567</b>	<b>\$5,907,484</b>	<b>\$4,968,948</b>	<b>\$5,560,891</b>	<b>\$5,254,573</b>	<b>\$6,717,005</b>	<b>\$6,927,236</b>	<b>\$5,319,763</b>	<b>\$7,041,445</b>	<b>\$8,087,049</b>	<b>\$6,860,666</b>	<b>\$7,545,072</b>	<b>\$77,231,699</b>
<b>Less:</b>													
Wholesale Sales Revenue	\$10,237	\$93,191	\$11,971	\$47,185	\$116,611	\$51,684	\$38,293	\$57,332	\$45,988	\$83,855	\$448,185	\$121,684	\$1,126,216
Sale of RECs Revenue	102,043	0	53,462	0	0	0	0	6,347	0	0	143,000	0	304,852
<b>Total Revenue</b>	<b>\$112,280</b>	<b>\$93,191</b>	<b>\$65,433</b>	<b>\$47,185</b>	<b>\$116,611</b>	<b>\$51,684</b>	<b>\$38,293</b>	<b>\$63,679</b>	<b>\$45,988</b>	<b>\$83,855</b>	<b>\$591,185</b>	<b>\$121,684</b>	<b>\$1,431,068</b>
<b>Net System Cost</b>	<b>\$6,909,287</b>	<b>\$5,814,293</b>	<b>\$4,903,515</b>	<b>\$5,533,706</b>	<b>\$5,137,962</b>	<b>\$6,665,321</b>	<b>\$6,888,943</b>	<b>\$5,256,084</b>	<b>\$6,995,457</b>	<b>\$8,003,194</b>	<b>\$6,269,481</b>	<b>\$7,423,388</b>	<b>\$75,800,631</b>
Kwh Retail Sales	278,349,234	296,787,408	249,576,105	228,472,833	232,419,898	245,097,992	280,725,417	226,446,823	231,977,207	226,777,607	266,896,543	300,941,742	3,064,468,809
Cost Per Kwh	\$0.02482	\$0.01959	\$0.01965	\$0.02422	\$0.02211	\$0.02719	\$0.02454	\$0.02321	\$0.03016	\$0.03529	\$0.02349	\$0.02467	\$0.02474

**ELECTRIC UTILITY - NORTH DAKOTA**

	2018 1/											2019 1/	Total
	February	March	April	May	June	July	August	September	October	November	December	January	
<b>Fuel &amp; Purchased Power Cost</b>													
Accounts 501 Coal and 547 Gas	\$3,325,346	\$3,183,637	\$1,995,890	\$2,589,676	\$3,211,002	\$3,584,414	\$3,486,925	\$2,782,099	\$2,303,693	\$3,026,059	\$3,497,712	\$3,521,845	\$36,508,298
Account 502 Reagent	105,246	136,411	64,202	370,292	138,988	161,236	203,890	151,916	187,085	96,567	219,470	161,642	1,996,945
Account 502 Sand	94,515	101,690	75,943	(230,756)	23,295	22,968	23,492	29,240	25,444	26,415	32,447	24,975	249,668
Account 555 Energy	1,041,751	384,490	1,051,787	874,545	(19,136)	641,786	731,647	382,832	2,010,564	2,007,168	744,891	1,293,241	11,145,566
Accounts 555 Demand and 547 Pipeline Charges	273,154	224,131	223,850	224,106	278,443	278,723	278,670	278,547	220,573	223,809	224,013	223,697	2,951,716
Account 575 Market Admin.	25,838	37,852	35,457	25,449	28,967	28,539	22,716	27,197	33,358	42,681	36,498	24,022	368,574
<b>Total F&amp;PP Cost</b>	<b>\$4,865,850</b>	<b>\$4,068,211</b>	<b>\$3,447,129</b>	<b>\$3,853,312</b>	<b>\$3,661,559</b>	<b>\$4,717,666</b>	<b>\$4,747,340</b>	<b>\$3,651,831</b>	<b>\$4,780,717</b>	<b>\$5,422,699</b>	<b>\$4,755,031</b>	<b>\$5,249,422</b>	<b>\$53,220,767</b>
<b>Less:</b>													
Wholesale Sales Revenue	\$7,084	\$64,062	\$8,291	\$32,522	\$81,131	\$36,274	\$26,185	\$39,247	\$31,156	\$56,093	\$310,256	\$84,589	\$776,890
Sale of RECs Revenue	95,366	0	49,526	0	0	0	0	4,509	0	0	133,644	0	283,045
<b>Total Revenue</b>	<b>\$102,450</b>	<b>\$64,062</b>	<b>\$57,817</b>	<b>\$32,522</b>	<b>\$81,131</b>	<b>\$36,274</b>	<b>\$26,185</b>	<b>\$43,756</b>	<b>\$31,156</b>	<b>\$56,093</b>	<b>\$443,900</b>	<b>\$84,589</b>	<b>\$1,059,935</b>
<b>Net System Cost</b>	<b>\$4,763,400</b>	<b>\$4,004,149</b>	<b>\$3,389,312</b>	<b>\$3,820,790</b>	<b>\$3,580,428</b>	<b>\$4,681,392</b>	<b>\$4,721,155</b>	<b>\$3,608,075</b>	<b>\$4,749,561</b>	<b>\$5,366,606</b>	<b>\$4,311,131</b>	<b>\$5,164,833</b>	<b>\$52,160,832</b>
Kwh Retail Sales	192,611,118	204,019,316	172,857,594	157,475,105	161,703,331	172,021,005	191,962,337	155,016,126	157,161,669	151,697,168	184,759,321	209,200,374	2,110,484,464
Cost Per Kwh	\$0.02473	\$0.01963	\$0.01961	\$0.02426	\$0.02214	\$0.02721	\$0.02459	\$0.02328	\$0.03022	\$0.03538	\$0.02333	\$0.02469	\$0.02472

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