



Montana-Dakota Utilities Co.

A Subsidiary of MDU Resources Group, Inc.

400 N 4th Street
Bismarck, ND 58501

State of Wyoming Electric Rate Schedule

W.P.S.C. Tariff No. 1
Original Sheet No. 55

POWER SUPPLY COST ADJUSTMENT Rate 50

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1. **APPLICABILITY:**

This rate schedule constitutes a Power Supply Cost Adjustment (PSCA) provision and specifies the procedure to be utilized to adjust the rates for fuel and purchased power sold under Montana-Dakota's rate schedules in order to reflect the recovery (refund) of the Power Supply Balancing Account.

2. **EFFECTIVE DATE AND LIMITATION ON ADJUSTMENTS:**

The effective date of the PSCA shall be service rendered on and after May 1 each year unless the Wyoming Public Service Commission (Commission) shall otherwise order. The Company will file an application with the Commission to implement the PSCA rate on an interim basis and, if approved by the Commission, the PSCA rate shall continue until a final order is issued by the Commission establishing an effective PSCA rate.

3. **POWER SUPPLY COST ADJUSTMENT:**

- a. The annual PSCA shall be calculated separately for primary service and secondary service and reflect changes in Montana-Dakota's cost of power supply as compared to the base cost of power supply established in a general rate case for each class.
- b. The cost of power supply shall be the sum of the approved costs incurred in obtaining fuel and purchased power supply for use by all customers served under retail sales rate schedules for the twelve month period ending December 31 each year.
- c. The cost of power supply shall include the following costs for fuel and purchased power supply:
 1. Fuel and fuel handling costs recorded in Account No. 501 and reagent costs recorded in Account 502;
 2. Demand, energy, ancillary services and transmission charges recorded in Account 555; and
 3. The cost of new or existing governmental impositions for electric generation plant emissions, including but not limited to SO₂ allowances, carbon taxes and/or carbon allowances and other governmental initiatives related to electric generation plant emissions. Prior to

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including any new governmental impositions in the PSCA, the Company will receive approval from the Commission.

- d. The base cost of power supply shall consist of all power supply costs established in a general rate case for primary and secondary service stated on a Kwh basis. The base cost of power supply established in Docket No. 20004-117-ER-16 is as follows:

Base Cost of Power Supply Expense	Primary	Secondary
Fuel	0.982¢	0.991¢
Purchased Power	2.157¢	2.423¢
Total	3.139¢	3.414¢

- e. The calculation of the power supply cost adjustment is shown on Sheet No. 59.

4. POWER SUPPLY BALANCING ACCOUNT:

- a. Items to be included in the Power Supply Balancing Account are:

1. Amounts under recovered or over recovered for fuel;
2. Amounts under recovered or over recovered for purchased power supplies each month;
3. Refunds received with respect to fuel and purchased power supply shall be credited to the Power Supply Balancing Account; and
4. Interest on the net over or under collected balance in accordance with Subsection 4.b.4.

- b. The amount to be included in the Power Supply Balancing Account in order to reflect the items specified in Subsection 4.a.1-4 shall be calculated as follows:

1. Montana-Dakota shall first determine each month the unit cost for that month's fuel cost and purchased power costs by PSCA class:

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- a. Fuel costs shall be allocated to each class based on sales volumes for the month adjusted for the applicable loss factor from the most recently approved general rate case; and
 - b. Purchased power energy shall be allocated to each class based on sales volumes for the month adjusted for the applicable loss factor from the most recently approved general rate case. Purchased power demand and transmission charges shall be allocated to each class based on the average and excess demand factor that will be updated annually.
2. Montana-Dakota shall then subtract from each month's unit cost (fuel and purchased power) the total cost in rates as set forth in Subsection 6:
 - a. For fuel, the difference (which may be positive or negative) shall be multiplied by 85 percent and by the Kwh sold during that month under each applicable rate schedule. The resulting amounts shall be reflected in the Balancing Account (Account 182.3) for primary and secondary service; and
 - b. For purchased power, the difference (which may be positive or negative) shall be multiplied by 95 percent and by the Kwh sold during that month under each applicable rate schedule. The resulting amounts shall be reflected in the Balancing Account for primary and secondary service.
 3. The amounts in the Power Supply Balancing Account shall be decreased each month by an amount determined by multiplying the currently effective Surcharge Adjustment included in rates for that month by the Kwh sales during that month under each rate schedule. The amount in the account shall be increased in the event the adjustment is a negative amount.
 4. The balance in Account 182.3, to which interest will apply, will be the balance at the end of the immediately preceding month. Interest shall be applied to the net over or under collected balance at one-twelfth of the

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Commission's Authorized Interest Rate specified in Chapter 1, Section 2(a)(xv) of the Commission's Rules and recorded in Account 182.3.

The amount amortized each month shall be applied pro rata between the amounts in the Power Supply Balancing Account specified in Subsection 4.a.1. and 2. and the amount related to carrying charges specified in Subsection 4.a.

5. TIME AND MANNER OF FILING:

- a. Each application by Montana-Dakota shall be made by means of revised PSCA and rate schedule tariff sheets identifying the amounts of the adjustments and the resulting currently effective PSCA rates.
- b. Each application shall be accompanied by detailed computations which clearly show the derivation of the relevant amounts.
- c. The application shall be made 60 days prior to the implementation date of May 1 each year.

6. POWER SUPPLY COST ADJUSTMENT:

The total power supply cost equals 3.272¢ per Kwh for the Primary Service PSCA rate class and 3.411¢ per Kwh for the Secondary Service PSCA rate class. The currently effective PSCA applied to each rate schedule and shown separately on the consumer bill is:

	<u>Primary</u>	<u>Secondary</u>
Base PSCA	3.139¢	3.414¢
Current Adjustment	0.004	(0.047)
PSCA Adjustment	<u>0.129¢</u>	<u>0.044¢</u>
Total PSCA	3.272¢	3.411¢

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	Total	Primary	Secondary
Fuel			
501.1 Fuel	\$2,081,015	\$169,342	\$1,911,673
501.4 Fuel Handling	5,757	468	5,289
502. Reagents	365,675	29,757	335,918
Total Fuel	\$2,452,447	\$199,567	\$2,252,880
Kwh Sales	280,201,962	23,013,960	257,188,002
Cost per Kwh		\$0.00867	\$0.00876
Base Cost of Fuel		0.00982	0.00991
Difference from Base		(\$0.00115)	(\$0.00115)
Total Change from Base	(\$322,232)	(\$26,466)	(\$295,766)
Amount to be recovered (refunded) from customers (85%)		(\$22,496)	(\$251,401)
Purchased Power			
555.1 Energy	\$3,392,729	\$276,082	\$3,116,647
555.6 Capacity	2,071,166	145,031	1,926,135
555.6 Transmission	1,466,936	102,721	1,364,215
Purchased Power	\$6,930,831	\$523,834	\$6,406,997
Kwh Sales	280,201,962	23,013,960	257,188,002
Cost per Kwh		\$0.02276	\$0.02491
Base Cost of Purchased Power		0.02157	0.02423
Difference from Base		\$0.00119	\$0.00068
Total Change from Base	\$202,275	\$27,387	\$174,888
Amount to be recovered (refunded) from customers (95%)		\$26,018	\$166,144
Power Supply Cost Adjustment			
Balance @ 12/31/16		\$25,257	\$545,525
Under (Over) Recovery			
Fuel		(\$11,147)	(\$140,556)
Purchased Power		35,835	208,569
Net		\$24,688	\$68,013
Amortization		11,899	362,323
Interest		456	4,912
Balance @ 12/31/17		\$38,502	\$256,127
Estimated Amortization Jan-Apr 2018		\$8,276	\$141,841
Net Balance		\$30,226	\$114,286
Projected Kwh Sales		23,442,000	261,398,000
PSCA Adjustment		\$0.00129	\$0.00044
Base PSCA		\$0.03143	\$0.03367
PSCA Adjustment		0.00129	0.00044
Total PSCA		\$0.03272	\$0.03411

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