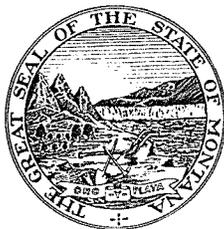


**PUBLIC SERVICE COMMISSION
STATE OF MONTANA**

Brad Johnson, Chairman
Travis Kavulla, Vice Chairman
Kirk Bushman, Commissioner
Roger Koopman, Commissioner
Bob Lake, Commissioner



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Helena, MT 59620-2601
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Fax #: 406.444.7618
<http://psc.mt.gov>
E-Mail: psc_webmaster@mt.gov

August 20, 2015

Ms. Tamie A. Aberle
Director of Regulatory Affairs
Montana-Dakota Utilities Co.
400 North Fourth Street
Bismark, North Dakota 58501

RE: Data Request in Docket D2015.6.51

Dear Ms. Aberle,

Enclosed please find Montana Public Service Commission data requests PSC-004 through PSC-008 to Montana-Dakota Utilities Co., regarding the application and supporting testimonies in the above-referenced docket. If you have any questions, please contact me at (406) 444-6359 or Mike Dalton at (406) 444-6185.

Sincerely,

A handwritten signature in cursive script that reads "Will Rosquist".

Will Rosquist
Chief, Economics and Rate Design Bureau
Montana Public Service Commission

Enclosure

cc: Service List

Service Date: August 20, 2015

DEPARTMENT OF PUBLIC SERVICE REGULATION
BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MONTANA

IN THE MATTER OF the Application of the) REGULATORY DIVISION
Application of Montana-Dakota Utilities Co. for)
Authority to Establish Increased Rates for) DOCKET NO. D2015.6.51
Electric Service in the State of Montana)

**DATA REQUESTS PSC-004 THROUGH PSC-008 OF THE
MONTANA PUBLIC SERVICE COMMISSION TO
MONTANA-DAKOTA UTILITIES CO.**

PSC-004

Regarding: Net Metering
Witness: Aberle

- a. For each net metering customer/system currently within MDU's Montana service territory, please complete the following table (add rows for additional systems):

System No.	Customer segment (residential, commercial)	Type (solar PV, wind, etc.)	System capacity (KW)	System location	Date connected to MDU system
1					
2					
3					
4					

- b. Please provide a monthly bill history (total bill amount and billed net kWh) for each net metered customer for the past three years or, if a three-year history is not available, the longest period available.
- c. Please provide the expected energy output for each net metered system for each month of the year and indicate whether the expected energy is based on actual sample data or system modeling.
- d. Please provide any load research information MDU has that compares typical usage profiles (energy and demand use) of net metered customers and non-net metered customers, by customer segment.

- e. Using load research information, please provide frequency distributions of seasonal (e.g., winter, spring, summer, fall) energy use, noncoincident peak demand, and coincident peak demand for residential and commercial customers that are not net metered. Provide similar statistics for each existing net metered customer using modeled information if load research samples are not available.

PSC-005

Regarding: Net metering

Witness: Aberle

- a. Please estimate the monthly bill impact of MDU's proposed demand charge on current net metered customers and provide the results along with supporting work papers.
- b. Under MDU's proposal to impose a demand charge on net metering customers, would the demand charge apply to both existing and prospective net metering customers, or would existing net metering customers be grandfathered?
- c. Please estimate the test year revenue reduction attributable to the sales reductions from net metered customer generation and provide the results along with supporting work papers.
- d. Please identify and quantify all costs MDU avoids when a customer chooses to generate a portion of their annual electricity consumption with: i) a solar PV system and ii) a wind power facility. Please provide supporting work papers.
- e. Please identify and quantify the direct administrative costs of implementing net metering on a per-customer basis for: i) residential customers and ii) commercial customers. Please provide supporting work papers.

PSC-006

Regarding: Net metering

Witness: Aberle

- a. The Statement L work papers, p. L-21, show a cost of about \$271 per meter for residential net metering customers. The work papers also show a cost of about \$88 per meter for non-net metered residential customers. Did MDU consider separately metering residential net metering customers' generators with standard kWh meters as an alternative to the demand meter proposal? If so, please provide the analysis and rationale for the decision to propose demand metering and a demand charge.
- b. Has MDU considered the pros and cons of implementing a feed-in tariff for accommodating distributed, customer-owned, generation? If so, please provide MDU's analysis and summarize its conclusions.

- c. Does MDU believe it would be reasonable and cost-effective to implement demand metering for all residential customers? Please explain why or why not.
- d. If MDU were to design the Residential Electric Service Rate 10 tariff schedule as a three part tariff using the proposed Basic Service Charge of \$0.25 per day and the \$1.50 per KW-mo. demand charge proposed for net metering customers, what would the resulting energy charges be?
- e. Please explain why MDU believes it is reasonable to charge residential net metering customers both the \$1.50 per KW-mo. demand charge and the same energy rates as non-net metering residential customers.

PSC-007

Regarding: Net metering
Witness: Aberle

Please provide any analysis MDU has conducted that demonstrates that proposed Rate 92 tariff schedule reasonably compensates net metered customers for the value of energy and capacity services provided to the Company.

PSC-008

Regarding: Net metering
Witness: Aberle

- a. Regarding the proposed Rate 92 tariff schedule, please provide a copy of the interconnection standards referred to in paragraph 1 in the General Terms and Conditions.
- b. Regarding the proposed Rate 92 tariff schedule, please describe the circumstances under which MDU would require two meters for net metering.
- c. Regarding the proposed Rate 92 tariff schedule, please describe the circumstances under which connection of the output directly to the Company's system would be the preferred approach to establishing interconnection for net metered generators.
- d. Please explain whether and how the two meter configuration would account for any billing demand reduction attributable to the customer's generator.
- e. Regarding the proposed Rate 92 tariff schedule, please explain what is included in "all costs associated with necessary distribution/metering system modification directly resulting from the installation and interconnection of the customer's generator." Specifically, please clarify whether these costs include the cost of the meter(s).