



400 North Fourth Street
Bismarck, ND 58501
701-222-7900
www.montana-dakota.com

July 1, 2026

Executive Secretary
North Dakota Public Service Commission
600 East Boulevard Avenue, Dept. 408
Bismarck, ND 58505-0480

RE: Ten Year Plan

Montana-Dakota Utilities Co. herewith submits eight (8) copies of its North Dakota Ten Year Plan in accordance with North Dakota Century Code 49-22-04. Notice of the filing of the ten year plan is given, pursuant to Article 69-06-02-02 of the North Dakota Administrative Code to each agency and officer as designated in Article 69-06-01-05 of the Administrative Code as denoted on the attached Certificate of Service.

Please contact me at (701) 222-7855 or travis.jacobson@mdu.com with any questions regarding this filing.

Sincerely,

/s/ Travis R. Jacobson

Travis R. Jacobson
Vice President of Regulatory Affairs

Enclosure

Cc: Service List

MONTANA-DAKOTA UTILITIES CO.
TEN YEAR PLAN
FOR NORTH DAKOTA ELECTRIC PROPERTIES

For Planning Years July 1, 2026 through June 30, 2036

Submitted to
NORTH DAKOTA PUBLIC SERVICE COMMISSION
July 1, 2026



MONTANA-DAKOTA
UTILITIES CO.

A Subsidiary of MDU Resources Group, Inc.

In the Community to Serve®

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MONTANA-DAKOTA UTILITIES CO.

400 North 4th Street
Bismarck, North Dakota 58501

INTRODUCTION

Enclosed are data comprising the Montana-Dakota Utilities Co. (Montana-Dakota) "Ten Year Plan" for North Dakota Electric Properties filed in compliance with NDCC §49-22-04 and NDAC §69-06-02-01 and 02.

		<u>Page</u>
SCHEDULE A	EXISTING ENERGY CONVERSION FACILITIES	1
SCHEDULE B	ENERGY CONVERSION FACILITIES UNDER CONSTRUCTION	1
SCHEDULE C	PROPOSED ENERGY CONVERSION FACILITIES ON WHICH CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS	1
SCHEDULE D	PROPOSED ENERGY CONVERSION FACILITIES DURING THE NEXT TEN-YEAR TIME PERIOD	2
SCHEDULE E	EXISTING TRANSMISSION FACILITIES (ELECTRIC)	2
SCHEDULE F	NOT APPLICABLE	
SCHEDULE G	PROPOSED TRANSMISSION FACILITIES ON WHICH CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS (ELECTRIC)	2
SCHEDULE H	NOT APPLICABLE	
SCHEDULE I	PROPOSED TRANSMISSION FACILITIES DURING THE NEXT TEN YEAR TIME PERIOD (ELECTRIC)	3
SCHEDULE J	REGIONAL COORDINATION	3
SCHEDULE K	ENVIRONMENTAL INFORMATION	5
SCHEDULE L	PROJECTED DEMAND FOR SERVICE	6
EXHIBIT A	NORTH DAKOTA ELECTRIC SYSTEM MAP	9

SCHEDULE A

EXISTING ENERGY CONVERSION FACILITIES

The existing energy conversion facilities subject to this filing and located in North Dakota are the 427 MW Coyote Station near Beulah in which Montana-Dakota has a 25 percent ownership interest, the 176 MW Heskett Station in Mandan, which is wholly owned by Montana-Dakota, the 19.5 MW Cedar Hills wind project located near Rhame, the 155.5 MW Thunder Spirit wind project located near Hettinger, and the 259.4 MW Badger wind project located near Wishek in which MDU has a 49 percent ownership interest. Otter Tail Power Company of Fergus Falls, Minnesota operates the Coyote Station and reports all information required by Schedule A. Orsted Onshore North America, LLC. operates the Badger wind project and reports all information required by Schedule A.

The 5.3 MW waste heat recovery unit located near Glen Ullin was retired on June 1, 2026. No other energy conversion facilities are scheduled to be retired within the next 10 years.

SCHEDULE B

ENERGY CONVERSION FACILITIES UNDER CONSTRUCTION

None

SCHEDULE C

PROPOSED ENERGY CONVERSION FACILITIES ON WHICH CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS

None

SCHEDULE D

PROPOSED ENERGY CONVERSION FACILITIES DURING THE NEXT TEN-YEAR TIME PERIOD

Montana-Dakota routinely studies additional resource options to meet its customer needs. These options are addressed in Montana-Dakota's Integrated Resource Plan (2024 IRP) filed with the Commission on July 12, 2024, and designated as Case No. PU-24-294.

Montana-Dakota is planning to file its 2027 IRP with the Commission in July of 2027.

SCHEDULE E

EXISTING TRANSMISSION FACILITIES (ELECTRIC)

Exhibit A is a system map of North Dakota showing the location of existing transmission facilities.

SCHEDULE G

PROPOSED TRANSMISSION FACILITIES ON WHICH CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS (ELECTRIC)

Montana-Dakota as part of the MISO Long-Range Transmission Planning (LRTP) process, plans to jointly construct, with Otter Tail Power Company, a 345 kV double circuit capable transmission line from Montana-Dakota's Ellendale 345 kV Substation to Otter Tail Power Company's Jamestown Substation with only one circuit being added as part of the LRTP Tranche 1 projects. Additional work will be done at the Ellendale 345 kV Substation to terminate the new transmission line into the substation. The project is expected to be in-service at the end of 2029.

Montana-Dakota as part of the MISO Expedited Project Review (EPR) process, plans to build a new 345 kV Substation near Center, ND to support a new large load addition. The new 345 kV Substation will be located on the existing 345 kV transmission line from Montana-Dakota's Coyote 345 kV Substation to Center 345 kV Substation. The new 345 kV Substation is planned to be in service by the Fall of 2027. There will then be a new 345 kV transmission line built from Montana-

Dakota's Hannover Substation to Minnesota Power's new Nelson Lake Substation. The 345 kV transmission line is expected to be in-service at the beginning of 2030.

Montana-Dakota plans to replace an existing 69 kV transmission line with a 115 kV transmission line from the Hettinger 115 kV Substation to a new Elgin 115 kV Substation, which will replace the existing Elgin Substation. There will be additional work at the Hettinger Substation to terminate the 115 kV transmission line. The project is expected to be in-service at the end of 2029.

SCHEDULE I

PROPOSED TRANSMISSION FACILITIES DURING THE NEXT TEN YEAR TIME PERIOD (ELECTRIC)

None

SCHEDULE J

REGIONAL COORDINATION

Montana-Dakota has been coordinating the planning, construction, and operation of electric facilities with other utilities and agencies serving North Dakota since 1945. Montana-Dakota has interconnection agreements with Basin Electric Power Cooperative (Basin Electric), Western Area Power Administration (WAPA), Otter Tail Power Company, NorthWestern Energy Public Service Corporation, and Minnkota Power Cooperative, Inc. These agreements provide for the interconnection of Montana-Dakota's bulk transmission facilities with the WAPA transmission network and MISO bulk transmission facilities.

Montana-Dakota is a transmission owning member of MISO. MISO is a FERC-authorized Regional Transmission Organization (RTO). MISO commenced tariff administration for the operational control of the transmission systems of its members in February 2002. MISO commenced its energy market on April 1, 2005. The MISO Ancillary Services Market started on January 6, 2009, at which time Montana-Dakota became a Local Balancing Authority within MISO. Montana-Dakota actively participates in the planning processes performed by MISO, which has the obligation to coordinate the planning of transmission facilities. Two of the planning processes mandated by FERC are generator interconnection and delivery service. The third process

is related to expansion planning through the MISO Transmission Expansion Plan. As part of the market operation, Montana-Dakota's generating units are dispatched by MISO.

Montana-Dakota and WAPA historically had an agreement that provided for mutual wheeling and coordinated construction of transmission facilities. This agreement expired on January 1, 2016. WAPA and Basin Electric joined the Southwest Power Pool (SPP) in October 2015 and with the expiration of the WAPA Transmission Service Agreement (TSA) on January 1, 2016, Montana-Dakota began taking Network Integrated Transmission Service (NITS) from SPP to serve approximately one-half of its customer load in western North Dakota and eastern Montana. Montana-Dakota has offset NITS charges by receiving credits for its transmission facilities that are used to facilitate SPP transmission service.

Montana-Dakota, Otter Tail Power Company, and NorthWestern Energy Public Service Corporation own the 475 MW Big Stone generating station near Big Stone City, South Dakota, and associated bulk transmission facilities. Montana-Dakota owns 22.7 percent of the Big Stone Plant. Montana-Dakota is a participant in another joint venture with Minnkota Power Cooperative, Inc. (agent for Northern Municipal Power Agency), Otter Tail Power Company, and NorthWestern Energy Public Service Corporation. This is the 427 MW Coyote generating station near Beulah, North Dakota, and associated bulk transmission facilities. Montana-Dakota currently owns 25 percent of the Coyote Station. Montana-Dakota, and Orsted Onshore North America, LLC own the 259.4 MW Badger wind project near Wishek, ND, and associated bulk transmission facilities. Montana-Dakota owns 49 percent of the Badger wind project. These cooperative efforts permit Montana-Dakota to realize economic benefits from ownership in a large generating station and to provide the electrical generation required of it and its partners using fewer facilities.

Montana-Dakota is also a member of the Midwest Reliability Organization (MRO). The MRO is one of six regional entities in North America operating under authority from regulators in the United States and Canada through a delegation agreement with the North American Electric Reliability Corporation (NERC). The primary focus of the MRO is developing and ensuring compliance with regional and international standards and performing assessments of the grid's ability to meet the demands for electricity.

SCHEDULE K

ENVIRONMENTAL INFORMATION

Montana-Dakota Utilities Co.'s Environmental Policy states that:

The Company will operate efficiently to meet the needs of the present without compromising the ability of future generations to meet their own needs. Our environmental goals are:

- *To minimize waste and maximize resources;*
- *To be a good steward of the environment while providing high quality and reasonably priced products and services; and*
- *To comply with or surpass all applicable environmental laws, regulations and permit requirements.*

Montana-Dakota maintains good relations with local, state, and federal agencies involved with environmental protection and land use planning in its service area.

Transmission and energy conversion facilities will be designed and located in such a manner as to maximize operational efficiency and economic benefits and to minimize impacts on agriculture, extractable resources, health and safety, plant and animal life, communications, and the visual effect on the surrounding area. Transmission and energy conversion facilities will be sited in compliance with the federal, state, and local laws and with the Public Service Commission's rules and regulations.

Montana-Dakota strives to maintain compliance and operate in an environmentally proactive manner, while taking into consideration the cost to customers. Montana-Dakota actively provides comments to federal and state legislative and regulatory activity related to environmental issues, including air emissions, greenhouse gases (GHG), waste disposal, and water discharges. The Company has also established memberships in relevant trade organizations to assist in monitoring the potential impact of proposed legislation and regulation to the Company's operations.

SCHEDULE L

PROJECTED DEMAND FOR SERVICE

The load data reported in this plan are the result of Montana-Dakota's *2026-2045 Electric Load Forecast* dated December 31, 2025.

1. Projected Peak Load for 2026-2036

The demand forecast was developed using an econometric model whose methodology is documented in detail in *2026-2045 Electric Load Forecast*.

The summer peak is the highest hourly demand value for the summer months in the given year. The winter peak is the highest hourly demand value for the winter season occurring at the end of the given year or the beginning of the following calendar year. The projected demands shown in MW below represent the load at the customer level plus the demand due to system losses.

System losses include energy losses on the transmission and distribution systems and energy that is unaccounted for such as power theft or stray currents. The summer peak demand given is net of energy efficiency and prior to any reduction in load due to demand response.

a. Montana-Dakota Integrated System

PROJECTED PEAK DEMAND (MW)

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
SUMMER	597.8	600.2	601.4	602.3	603.1	604.4	605.7	607	608.2	609.9	610.9
WINTER	574.6	577.7	579.2	580.4	581.4	583	584.6	586.2	587.8	589.9	591.2

GROWTH RATE (%)

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
SUMMER	--	0.4	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2
WINTER	--	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.2

Historically, for the period 2020-2025 the summer peak demand increased at an average rate of 0.3 percent per year while the winter peak demand increased at an average rate of 0.1

percent per year. The projected average growth rates for the period 2026-2036 are 0.2 percent for the summer peak and 0.3 percent for the winter peak.

b. North Dakota

PROJECTED PEAK DEMAND (MW)

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
SUMMER	429.8	431.9	433	433.8	434.6	435.8	437	438.2	439.3	440.8	441.8
WINTER	413.2	415.7	417	418	418.9	420.4	421.8	423.2	424.5	426.3	427.5

GROWTH RATE (%)

YEAR	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
SUMMER	--	0.5	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2
WINTER	--	0.6	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.4	0.3

2. Projected Energy for 2026-2036

The projected annual energy requirements excluding Rate 45 High Density Contracted Demand, shown in gigawatt-hours (GWh), for Montana-Dakota's Integrated System are as follows:

Year	Annual Energy (GWh)	Year	Annual Energy (GWh)
2026	3192.9	2032	3250.8
2027	3209.9	2033	3260.1
2028	3218.5	2034	3268.9
2029	3225.5	2035	3280.6
2030	3231.8	2036	3288.8
2031	3241.2		

Historically, for the period 2020-2025, Montana-Dakota experienced an average annual increase of 0.1 percent for energy consumption. The projected average growth rate for the period 2026-2036 is 0.3 percent.

3. Load Centers

Montana-Dakota's load centers for the Integrated System, defined as areas with 10 MW or more of load in a limited geographical area, are, in North Dakota, Bismarck-Mandan, Dickinson, Stanley, Tioga, Watford City, and Williston and in Montana, Baker, Glendive, Sidney, and Miles City.

Montana-Dakota created a new Rate 45 - High Density Contracted Demand Response tariff in North Dakota and South Dakota to help attract large data center loads to its electric service territory. These large data center loads under Rate 45 need to be a new customer with greater than 10 MWs of load and are subject to a 5-year electric service agreement negotiated with the company and approved by the Public Service Commission of North Dakota or Public Utility Commission of South Dakota. Montana-Dakota has one load center in North Dakota for Rate 45 customers at Ellendale.

Load forecasts for Rate 45 customers are not included in the overall *2026-2045 Electric Load Forecast* because these special loads are not serviced by Montana-Dakota's rate-based generation fleet and rely on MISO market purchases and/or specific supply arrangements to meet the data center customer load requirements.

Montana Dakota has 530 MW of Rate 45 load under contract currently. The projected annual energy requirements shown in gigawatt-hours (GWh), for the current contracted Rate 45 load on Montana-Dakota's system are as follows:

Year	Annual Energy (GWh)	Year	Annual Energy (GWh)
2026	2625.0	2032	4914.6
2027	4842.9	2033	4901.9
2028	4900.7	2034	4901.9
2029	4901.9	2035	4901.9
2030	4901.9	2036	4843.1
2031	4901.9		

Exhibit A

North Dakota Electric System Map

Montana-Dakota Utilities Co. Electrical System Area

