BASIN ELECTRIC POWER COOPERATIVE
A Touchstone Energy® Cooperative

June 29, 2026

Mr. Randy Christmann, Commissioner
North Dakota Public Service Commission
Capitol Building
600 E. Boulevard Ave.
Bismarck, ND 58505

Dear Commissioner Christmann:

Pursuant to the requirements of the North Dakota Energy Conversion and Transmission Facility Siting Act, Basin Electric Power Cooperative hereby submits its Ten Year Plan.

Enclosed is an original and 9 copies of the plan.

Sincerely,

Todd Brickhouse
CEO & General Manager

ct
ATTACHMENT

1 PU-26-277 Filed 07/06/2026 Pages: 93
2026 Ten Year Plan

Basin Electric Power Cooperative
Todd Brickhouse, CEO & General Manager

1717 East Interstate Avenue | Bismarck, ND 58503 | 701.223.0441 | Fax 701.557.5336 | basinelectric.com
Equal Employment Opportunity Employer

North Dakota Ten Year Plan Letter to PSC_v4_0

Final Audit Report 2026-06-26

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STATE OF NORTH DAKOTA)
)
COUNTY OF BURLEIGH)

AFFIDAVIT OF MAILING

I hereby certify that the following list contains the names and last address of each designated state agency and/or state official given notice of filing of the Basin Electric Power Cooperative Ten Year Plan pursuant to the Rules and Regulations of the North Dakota Public Service Commission governing the Siting of Energy Conversion and Transmission Facilities. I hereby certify that I have, by depositing letters of notice with the United States Postal Service, caused notice to be given all such state agencies and state officials that Basin Electric Power Cooperative has filed their Ten Year Plan with the North Dakota Public Services Commission.

Name	Last Known Address
See Exhibit A Attached	See Exhibit A Attached

C. Thompson
Signature

On this 29th day of June, 2026, Casidie Thompson known to me, under oath deposed and said the above Affidavit of Mailing is true and correct.

Seal
LISA J. CARNEY
Notary Public
State of North Dakota
My Commission Expires Oct 19, 2026

Lisa J. Carney
Notary Public

Mail to: Public Service Commission
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EXHIBIT A

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Q2 Admin Meeting
Agenda

June 24, 2026
11:00 a.m. – 12:00 p.m.
Conf: HDQ West 7 North Dakota

Time	Agenda Item
11:00 a.m. – 12:00 p.m.	• Co-op Air/Travel Updates – Tammy DeWitt • Delegation of Authority – Paige Fleck • Annual Meeting – Terrie Schuette

BASIN ELECTRIC POWER COOPERATIVE

A Touchstone Energy® Cooperative

NORTH DAKOTA TEN YEAR PLAN

2026

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INTRODUCTION

Basin Electric Power Cooperative is a regional rural electric wholesale power supplier headquartered at 1717 East Interstate Avenue, Bismarck, North Dakota. The region served by Basin Electric includes all or portions of nine states encompassing Montana, Wyoming, Colorado, North Dakota, South Dakota, Nebraska, Minnesota, Iowa, and New Mexico. Basin Electric owns and operates or otherwise jointly shares energy conversion and transmission facilities throughout this region. Basin Electric is the parent company to five subsidiaries: Dakota Gasification Company, Dakota Coal Company, Montana Limestone Company, Wyoming Lime Producers, and Souris Valley Pipeline LTD. A ten-year plan for Dakota Gasification Company will be submitted under separate cover by Dakota Gasification Company.

SECTION A: EXISTING ENERGY CONVERSION FACILITIES

Basin Electric owns all or portions of fifteen existing energy conversion facilities. Six of these facilities are in North Dakota; the Antelope Valley Station near Beulah; the Leland Olds Station near Stanton; Prairie Winds 1 near Minot; the Minot Wind Project near Minot; the Pioneer Generation Station near Williston; and the Lonesome Creek Station near Watford City. Other existing energy conversion facilities outside of North Dakota are the Laramie River Station at Wheatland, Wyoming; the Wyoming Distributed Generation in Wyoming; the Dry Fork Station near Gillette, Wyoming; the Spirit Mound Station at Vermillion, South Dakota; the Groton Generation Station near Groton, South Dakota; Crow Lake Wind Project near White Lake, South Dakota; Deer Creek Station near Brookings, South Dakota; Wisdom Unit 2 at Spencer, Iowa; and the Culbertson Generation Station near Culbertson, Montana.

Basin Electric purchases all output from nine waste heat recovery units: three in North Dakota, three in South Dakota, and one each in Minnesota, Montana, and Iowa.

Basin Electric purchases output from eleven wind facilities in North Dakota: ND 1Wind Energy Center, Wilton 1 & Wilton 2 Wind Energy Center, Baldwin Wind, Sunflower, Brady 1, Brady 2, Lindahl, Northern Divide, Aurora, and Oliver III Wind beginning June 1, 2026.

Basin Electric purchases output from six wind facilities in South Dakota: SD Wind Energy Center, Day County, Campbell County, Prevailing Winds, North Bend, and Triple H. Basin Electric also purchases all output from the City of Madison Diesel Generators as well as the majority of the output from the Wild Springs solar project that came online in 2024.

Basin Electric purchases all or portions of the following resources in Iowa: Unit #4 of the George Neal Station, Walter Scott Junior Energy Center Units 3 & 4, Wisdom Station Units 1 & 2, Spencer Combustion Turbine, Estherville Diesel Generation, Webster City Combustion Turbine, and three wind facilities.

The most recent Energy Information Administration (EIA) Form No. 923 for the Antelope Valley Station and the Leland Olds Station are included as Exhibit 1.

SECTION B: ENERGY CONVERSION FACILITIES UNDER CONSTRUCTION

Basin Electric officially broke ground on Bison Generation Station in May 2026 near Epping, ND. Commercial operation is projected for 2029 and 2030. See Section L.

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

In August 2024, Basin Electric received board approval to repower its Prairie Winds (PWND) and Crow Lake Wind Project facilities. Basin Electric expects to commence the repower projects after receiving all necessary permits.

As part of the MISO Expedited Resource Addition Study (ERAS), Basin Electric has submitted a 250MW interconnection request for a simple cycle natural gas project. This project would be located in Brookings County, SD. Basin Electric is currently evaluating the results of the ERAS generator interconnection request and is anticipating July of 2026 for a project commitment decision.

Basin Electric and NextEra Energy Resources, LLC have signed a memorandum of understanding to explore the joint development of a new combined-cycle natural gas-fueled generation facility in Basin Electric's North Dakota service territory. The project, developed under Basin Electric's Large Load Commercial Program, would serve as the foundation for a large data center campus.

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

None at this time.

SECTION E: EXISTING TRANSMISSION FACILITIES (ELECTRIC)

Basin Electric's transmission and related substation facilities in North Dakota and their associated commercial dates are listed in the following table:

a. **TRANSMISSION LINES**

LINES - BY VOLTAGE	COMMERCIAL IN-SERVICE DATE
69 kV Lines	
Leland Olds - Basin Electric Sub	01/09/66
115 kV Lines	
Basin Electric Sub - Stanton Tap	01/09/66
Logan-Kenmare Line	04/01/79
Logan-Mallard Line	04/01/79
Charlie Creek-Squaw Gap	12/31/82
Squaw Gap-Richland	12/31/82
Blaisdell-Berthold	12/21/13

Blaisdell-Plaza	02/01/18

230 kV Lines

Leland Olds #1-Washburn Double Circuit	01/09/66
Leland Olds-Logan Line	03/31/80
Leland Olds #2 - Basin Electric Sub	12/15/75
Logan- Blaisdell -Tioga	05/01/82
Tioga-Canadian Border (Estevan)	05/01/82
Belfield-Daglum-Rhame	04/07/10
Williston- Wheelock - Tioga	01/10/11
Judson-Williston	12/22/15
Tande-Neset	10/31/17
Neset-Northshore	01/18/23

345 kV Lines

Leland Olds-Groton-Watertown	12/15/75
Leland Olds-Chappelle Creek Line	12/15/75
Chapelle Creek -Ft. Thompson Line	12/15/75
Leland Olds-AVS North Line	11/30/83
Leland Olds-AVS South Line	07/01/84
Antelope Valley Station-Charlie Creek #1	11/30/83
Antelope Valley Station-Roundup	09/18/15
Roundup-Charlie Creek	09/18/15
Charlie Creek-Patent Gate	12/22/15
Patent Gate -Judson	12/22/15
Patent Gate-Kummer Ridge	09/27/16
Judson-Tande	10/31/17
Pioneer – Judson	10/17/24
Round up – Kummer Ridge	12/17/24

500 kV Lines

Antelope Valley Station-Huron, SD (345 kV operation)	07/01/84

b. **SUBSTATIONS**

115 kV Wm. J. Neal Station Switchyard	04/01/52
230 kV Leland Olds Switchyard	01/09/66
230 kV Washburn, ND Switchyard	01/09/66
115 kV Stanton Tap Structure	01/09/66
230/115/69 kV BEPC Substation	01/09/66
345/230 kV Leland Olds Switchyard Addition	12/15/75
230/115 kV Dickinson, ND Substation	12/15/75
230/115 kV Logan Substation	04/01/79
345/115 kV Charlie Creek Substation	11/30/83
345 kV Antelope Valley Station Switchyard	11/30/83

230/115 kV Neset Substation	10/07/09
230 kV Rhame Substation	04/07/10
230/115 kV Blaisdell Substation	05/24/12
230/115 kV Wheelock Substation	10/16/12
345/230 kV Judson Substation	12/22/15
345/115 kV Roundup Substation	09/18/15
345/115 kV Patent Gate Substation	12/22/15
345/115 kV Kummer Ridge Substation	09/27/16
345/230 kV Tande Substation	10/31/17
230/115 kV Northshore	01/18/23
345 kV Pioneer Substation	10/17/24
345/115 kV Springbrook Substation	04/07/26

c. Basin Electric does not anticipate retiring any of its existing transmission facilities within the next ten (10) years.

SECTION F: EXISTING TRANSMISSION FACILITIES (PIPELINES)

Pipeline transmission facilities utilized by Basin Electric are water supply lines to the Leland Olds Station, Antelope Valley Station, a 12-mile-long natural gas fuel supply pipeline associated with the Groton Generation Station, and a 13-mile-long natural gas fuel supply pipeline associated with the Deer Creek Station. The Leland Olds water line is approximately one-quarter mile in length and is located on plant site property owned by Basin Electric.

The water supply line for Antelope Valley is a 42-inch diameter steel lined concrete pipe of approximately nine miles in length. The line runs directly north from the plant site to an intake structure and pumping station located on Lake Sakakawea. This line was designed and constructed as a joint use facility for Basin Electric and the adjacent Great Plains Synfuels Plant. The State of North Dakota's southwest water pipeline uses the same intake structure and pumping station as the Antelope Valley Station pipeline. The Basin Electric line was designed to have a maximum operating pressure of 160 PSI gauge and a flow rate of 30,000 GPM. The pipeline was constructed, with a minimum earth cover of 84 inches. The pipeline was placed in-service in 1984. A new parallel pipeline was installed in 2006, because of recurring failures of the existing line. The new line is steel pipe with the same design parameters. The old line will be maintained as a back-up facility. None of Basin Electric's pipeline facilities are projected for retirement within the next ten-year period.

Dakota Gasification Company constructed a 3.5 mile, 10-inch diameter natural gas pipeline, in late 2013, with the sole purpose to provide Antelope Valley with access to natural gas for use only during startup.

The Deer Creek Station water supply line is a 6-inch diameter PVC pipe approximately one mile in length. The line runs directly from the water supply wells north to the plant site.

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

Transmission studies are underway to analyze any additional transmission improvements required to accommodate network load growth. Results of these studies may indicate the need for new load-serving transmission facilities. The Southwest Power Pool (SPP) undertakes a yearly Integrated Transmission Planning (ITP) process that holistically evaluates the reliability, economic, and public policy needs of the transmission system.

The 2024 ITP study identified the need for additional transmission facilities in North Dakota to support system reliability and anticipated load growth. The identified projects include:

- Laramie River – Rapid City – Fox Ridge (Maurine) – Belfield 345 kV Transmission line
- Leland Olds – Burkley – Crane Creek 345 kV transmission line
- Patent Gate – Pioneer 345 kV transmission line
- Westbank 345/115 kV substation
- Springbrook – Twelve Mile 345 kV Transmission line
- Twelve Mile 345/115 kV Substation

Basin Electric has requested to SPP to reevaluate the Springbrook – Twelve Mile 345kV transmission line to instead be sourced from the future switchyard at Bison Generation Station.

In addition, the 2025 ITP study identified the Belfield – Roundup 345 kV transmission line and a Marley 345/115 kV Substation as required transmission improvements.

Separately, the Tande-to-Saskatchewan (~58 miles) and Wheelock-to-Saskatchewan 230-kV (~52 miles) transmission line projects were deemed necessary by SPP to resolve transmission capability deficiencies. These two circuits will provide combined export and import capabilities of up to 650 megawatts, strengthening both the local and regional electric systems. The project was approved through the SPP Aggregate Transmission Service Study in 2022. SPP issued Basin Electric an Approved Reliability Network Upgrade (RNU) notice. Basin Electric is the designated transmission owner for the U.S. portion of the upgrade, with SaskPower completing the Canadian portion of the circuits.

See Exhibit 4 for planning corridor. Exhibit 4 features both a board approved map of transmission projects, and a map containing projects with Notices to Construct but are not yet board approved.

SECTION H: PROPOSED TRANSMISSION FACILITIES ON WHICH CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS (PIPELINE)

Results of the resource development of new generating resources (refer to section D) will identify pipeline improvements necessary to support the supply required by the new resources. Generation studies are underway to analyze the required

improvements to accommodate member load growth. Results of these studies may indicate the need for additional load serving generation facilities.

SECTION I: PROPOSED TRANSMISSION FACILITIES DURING THE NEXT TEN-YEAR TIME PERIOD (ELECTRIC AND PIPELINE)

Results of the development of new generating resources (refer to section D) will identify transmission improvements necessary required by the new resources. Transmission studies are continuously ongoing to analyze any required transmission improvements to accommodate network load growth and economic dispatch. There are no additional projects planned in the ten-year time frame other than those listed in section G of this report.

SECTION J: REGIONAL COORDINATION

Midwest Reliability Organization

Midwest Reliability Organization (MRO) is a non-profit organization dedicated to ensuring the reliability and security of the bulk power system (BPS) in the north central region of North America, including parts of both the United States and Canada. MRO is one of seven regional entities in North America operating under authority from regulators in the United States through a delegation agreement with the North American Electric Reliability Corporation (NERC) and in Canada through arrangements with provincial regulators. The region includes more than 200 organizations that are involved in the production and delivery of electricity including municipal utilities, cooperatives, investor-owned utilities, transmission system operators, federal power marketing agencies, Canadian Crown Corporations, and independent power producers.

The primary responsibilities of MRO are to ensure compliance with mandatory Reliability Standards by entities who own, operate, or use the interconnected, international BPS, to conduct regional assessments of the grid's ability to meet the demand for electricity, and to analyze regional system events.

Mid-Wed Electric Consumers Association

Basin Electric Power Cooperative is a member of the Mid-West Electric Consumers Association (Mid-West). Mid-West, which was founded in 1958, is a regional coalition of consumer-owned electric utilities that purchase power from the federal multi-purpose projects in the Pick-Sloan Missouri Basin Program. The Association is governed by a board comprised of four directors from each state, with representation balanced between types of consumer-owned systems, and they meet four times a year. Mid-West's Water & Power Planning Committee meets throughout the year to assure timely consideration of issues and develops technical information and policy recommendations for consideration by the board of directors.

Southwest Power Pool

Basin Electric joined the Southwest Power Pool (SPP) in October of 2015. SPP oversees the bulk electric grid and wholesale power market in the central United

States on behalf of a diverse group of utilities and transmission companies in 14 states including North Dakota. SPP establishes practices for system design, planning, adequacy, regional transmission service tariff, interconnections, operation, reliability, market designs and efficiency, and market power mitigation that will help to assure efficient and reliable power supply among the systems in SPP and SPP transmission customers. Basin Electric participates on various committees and work groups as a function of SPP. The SPP planning and interconnection processes are the main avenue for transmission project development in North Dakota.

Midcontinent Independent System Operator

MISO is a not-for-profit member-based organization that ensures reliable, least-cost delivery of electricity across all or parts of 15 U.S. states and one Canadian province. In cooperation with stakeholders, MISO manages more than 75,000 miles of high-voltage transmission and 191,000 megawatts of power-generating resources across its footprint.

Coordination with Area Utilities

Western Area Power Administration

Basin Electric coordinates regional power supplies with the Western Area Power Administration Upper Great Plains Region (WAPA UGPR). An example is the Miles City, Montana DC converter station. The station was built by the Western Area Power Administration (WAPA) to transfer electric power across the east/west transmission separation. Basin Electric has financed 40% of the cost of the station and contracted with WAPA for 40% of the capacity of the 200 MW station. This station enables Basin Electric to serve Central Montana Electric Power Cooperative and Members 1st Power Cooperative, Class A members with electrical loads primarily located west of the east-west separation. WAPA is also Basin Electric's transmission operator (TOP) for its transmission facilities in the eastern interconnection.

Montana-Dakota Utilities Co.

Member cooperatives of Basin Electric have a common service area in the western half of North Dakota with Montana-Dakota Utilities Co. (MDU).

The Tioga-Saskatchewan 230 kV line constructed by Basin Electric and Saskatchewan Power Corporation allows the purchase and sale of power among regional utilities. This line was reviewed with MDU and routed so that it could be tapped for future use by MDU and the member systems of Basin Electric. A result of this review was the Tioga 230/115 kV substation constructed by MDU and shared by Basin Electric.

The Miles City-Hettinger-New Underwood, South Dakota, 230 kV line is another example of joint planning. This line was jointly planned and constructed with WAPA, MDU and Basin Electric. Basin Electric and MDU each have 25% capacity rights and WAPA owns and has capacity rights to 50% of the line.

SECTION K: ENVIRONMENTAL INFORMATION

The primary obligation of Basin Electric is to provide an adequate wholesale supply of dependable, low-cost electric power to its member systems, consistent with the public interest. In conjunction with this, Basin Electric endeavors to maximize the socio-economic benefits associated with electrical generation and transmission projects and to minimize negative impacts associated with these projects. This is particularly true with respect to protecting the agricultural lifestyle and productivity of this region.

The Cooperative remains committed to preserving and enhancing the ecological balance of this region for the benefit of future generations. It is the policy of Basin Electric that environmental impacts be monitored, and steps taken to mitigate and alleviate adverse effects to the extent possible. Basin Electric has instituted a variety of programs designed to maximize the most efficient use of energy and to benefit the human, agricultural, and biological environments.

Projects proposed by Basin Electric that have a federal nexus adhere to the requirements of the associated Federal agency environmental policies and procedures which describe the procedures for compliance with the provisions of the National Environmental Policy Act (NEPA). Through the NEPA process, Basin Electric encourages state, federal and public participation in proposed projects so that once potential impact issues are identified appropriate mitigation measures can be formulated with the assistance of the participants to minimize potential impacts. An Environmental Assessment is developed which includes a comprehensive discussion and evaluation of environmental issues and serves as a baseline document for subsequent environmental regulatory permits and a federal Environmental Impact Statement when required. The goal of this process is to select a facility location that best minimizes environmental, cultural and socio-economic impacts and engineering and construction costs.

Basin Electric adheres to the appropriate North Dakota statutes regulating industrial development projects such as electrical generating facilities and high voltage transmission lines and substations. In addition, it is Basin Electric's practice to inform affected state and federal agencies when prospective projects are identified to solicit their input early in the planning process.

Clean air and clean water are important to our environment and future generations. Our region continues to rank as one of the areas with the cleanest air in the nation, and almost all of our generation resources were built with best available pollution control technologies at the time of their construction. Our generation resources have long histories of compliance with environmental standards. As this history demonstrates, our commitment to the environment and environmental compliance remains strong and is a core value of our cooperative.

Recent environmental projects at our main baseload generation facilities are discussed below followed by details of recent EPA rulemakings affecting integrated resource planning. The recent projects at our baseload generation facilities were initiated in response to EPA rulemakings. Basin Electric and subsidiaries have been proactive in meeting these new federal emissions standards ahead of schedule. Through year-end 2023, Basin Electric had invested

$2.04 billion in environmental control technology. Approximately $202 million was invested in the operation and maintenance of those controls in 2023.

The following projects have been undertaken at our majority-owned coal-based facilities to ensure compliance with federal standards. It is important to note that all of Basin Electric facilities are in full compliance with all federal and state environmental standards and permits.

- Leland Olds Station: The first round of EPA's Regional Haze Rule required greater emission control through the installation of Best Available Retrofit Technology, or BART at Leland Olds. To achieve this, Basin Electric installed wet limestone scrubbers in both units to control sulfur dioxide (SO_2) emissions. Unit 2's scrubber was commissioned in 2012; Unit 1's was commissioned in 2013. For nitrogen oxide (NO_x) control, BART required the installation of Selective Non-Catalytic Reduction (SNCR) technology on both units that were put into service in April of 2017. The BART compliance requirements were effective April 2017. Over-fire air combustion control has also been incorporated into both units at the Leland Olds. This technology introduces air high in the boiler, which reduces combustion temperatures. Since formation of NO_x is in large part a function of temperature and oxygen availability, over-fire air technology reduces these emissions. A post-combustion sorbent injection system to provide additional mercury control was put in place in 2015. EPA finalized the original Effluent Limitations Guidelines (ELG) rule on September 30, 2015. The ELG rule sets limits for seven types of wastewater generated from power plants including a zero-discharge limit on bottom ash transport water (BATW). As a result of this rule, a submerged flight conveyor system that recycles BATW has been installed at Leland Olds. The 2015 Coal Combustion Residual Rule (CCR Rule) mandated the closure of unlined surface impoundments upon a specified triggering event. An update to this rule was finalized in 2020 and again in 2024. The actions Leland Olds took to comply with the ELG rule also brought the facility into compliance with the 2015 and 2020 CCR Rules.

- Laramie River Station: Over-fire air combustion control technology was incorporated into all three units at the Laramie River Station in 2009, 2010, and 2011 to aid in the reduction of NO_x emissions. Low-NO_x burners were incorporated into all three units at the Laramie River Station between 2012, 2013, and 2014. Laramie River is also an affected BART facility which required additional NO_x controls to be installed at the Laramie River. A Selective Catalytic Reduction (SCR) system was installed on Unit 1 in 2019 and SNCRs on Units 2 and 3 in 2018. A post-combustion mercury emission control system which injects activated carbon or another reagent was also installed on all units in 2015. An additional post-combustion mercury emission control system has been installed on Unit 3. Basin Electric has completed the implementation of a long-term compliance plan to comply with the 2015 and 2020 CCR Rules at Laramie River. Compliance consisted of closing two and retrofitting three surface impoundments in accordance with deadlines promulgated by EPA.

- Antelope Valley Station: Designed to be environmentally sound, over $400 million have been invested in capital pollution control asset investments for Antelope Valley to date. The startup fuel has been switched from fuel oil to natural gas for both units. Under Further Reasonable Progress in the State of North Dakota's Regional Haze State Implementation Plan, Antelope Valley was required to install advanced overfire air technology and low-NO_x burners for enhanced control

of NO_x. Unit 1 was retrofitted in the spring of 2014 and Unit 2 in the spring of 2016. For SO_2 removal, the capacity of the lime slaking system for the Antelope Valley Station's dry scrubbers was enhanced. The dry scrubber utilizes a lime-based slurry to remove up to 90% SO_2 emissions from flue gas as it passes through the dry scrubbers. The additional slaking capacity allows for more lime to be available should high sulfur lignite coal be burned. A post-combustion mercury emission control system has been installed at both units. Fabric filter bag houses capture and remove up to 99% of particulate matter. Each bag house contains more than 8,000, 35-foot-tall bags. Antelope Valley is a "zero-discharge" facility; even water is used efficiently only leaving the plant site through evaporation.

In April 2024 EPA finalized three major rulemakings that will have significant impacts on Basin Electric's existing coal fleet and future natural gas units. One of these rules, the Mercury and Air Toxics (MATS) Rule has since been repealed. The remaining two rules are discussed below:

Greenhouse Gas Rule: The EPA finalized a new rule to regulate greenhouse gas (GHG) emissions from power plants, specifically carbon dioxide (CO_2). In general, the rule set the Best System of Emission Reduction (BSER) for existing coal-fired units and new natural gas fired turbines. In the final rule EPA determines that carbon capture and sequestration (CCS) with 90% capture of CO_2 is adequately demonstrated and cost reasonable for and considers it to be BSER.

For existing coal-fired steam generating units, EPA has finalized different levels of BSER depending upon how long the unit will continue to operate. For units that have a federally enforceable commitment to cease operations prior to January 1, 2032, the units are exempt from the final rule. Units that operate on or after January 1, 2032, and cease operation before January 1, 2039, are considered medium-term coal units. For medium-term units, EPA has determined that BSER is co-firing 40% natural gas by 2030. Units that are planned to operate on or after January 1, 2039, are considered long-term coal units. EPA has determined that 90% CCS is BSER.

EPA breaks new and reconstructed fossil fuel-fired combustion turbines into three subcategories: low load, intermediate and baseload. Units in the low-load subcategory are required to operate less than 20% of the time and use lower-emission fuels (natural gas and distillate oil). Intermediate load CTs are those that have a capacity factor greater than or equal to 20% and less than 40% based on percent of potential electric sales. Intermediate units are highly efficient simple cycle or combined cycle technology and must meet a CO_2 emission rate of 1,170 lb CO_2/MWH-g. Base load units are those with a capacity factor greater than 40%. For these units, BSER is highly efficient combined cycle technology upon startup with an emission rate of 800-900 lb CO_2/MWh-g and 90% CCS by January 1, 2032, and meeting an emission rate of 100 lb CO_2/MWh-g.

EPA has since issued a draft rule that would repeal all GHG limits for EGUs. This rule is in the process of being finalized.

CCR Legacy Rule: The final rule revises and contains additional requirements for CCR facilities. The final CCR Legacy Rule does the following:

- Establishes requirements for legacy CCR surface impoundments;

- Establishes definition, applicability and requirements for new term, Coal Combustion Residuals Management Units (CCRMUs)
- Limits the use of CCR for beneficial use on facility site.
- EPA has since issued an extension for a number of the CCR Legacy Rule requirements. Additionally, EPA has proposed a revised CCR Legacy Rule which changes many of the requirements.

SECTION L: PROJECTED DEMAND FOR SERVICES

Exhibit 2 represents Basin Electric's sales to its Class A and D members. This exhibit represents Basin Electric's supplemental power supply responsibilities to its members. As a supplemental power supplier, Basin Electric is responsible for providing the members requirements in excess of the fixed amount of power they receive from WAPA and other sources.

An econometric based load forecast was completed in early 2024. The econometric forecasting system in the load forecast is a bottom-up process that begins by developing econometric equations and forecasts for each distribution cooperative. The total system consists of approximately 350 forecasting equations and over 700 explanatory variables. Annual and monthly forecasts of energy and demand are conducted for a 30-plus year period. The distribution cooperative forecasts are combined to obtain the generation and transmission cooperative forecasts (G&T's). The G&T's power requirements are then separated into various power supply responsibilities. The Basin Electric components are combined to obtain the Basin Electric total power supply responsibility.

The modeling and forecasting are performed at Basin Electric. Throughout the modeling and forecasting process there is constant communication and review by our member systems. Historical energy data is combined with external data obtained from government and private sector sources as well as membership consultation to form econometric forecasting equations. External projections of explanatory economic and demographic variables used in the forecasting process are obtained from the Food and Agricultural Policy Research Institute at the University of Missouri-Columbia, Missouri.; Woods & Poole Economics, Inc.; IHS Markit, the US Department of Energy, Washington, D.C.; along with various other sources.

Basin Electric's service area is electrically divided into four assessment areas across two electrical interconnections. The majority of Basin Electric's system resides in the eastern interconnection consisting of the Southwest Power Pool (SPP) and Midcontinent Independent System Operator (MISO) assessment areas. In the western interconnection Basin Electric's system resided in the WAPA Upper Great Plains West (WAUW), NorthWestern Energy (NWMT), Pacificorp East (PACE), and the WAPA Colorado-Missouri (WACM) Balancing Authority Areas (BAA's). In early 2026, what was previously the WACM BA split up due to the SPP RTO expanding into the western interconnection, calling their new BA region the SPP "RTOE" (RTO Expansion). As of April 2026, Basin Electric has loads in the western interconnection residing in NWMT, PACE, Black Hill's new BA (currently being referred to as the BHBA), and SPP's new RTOE BAA. Additionally, Basin Electric has an electric generating asset, but no load, located in the Public Service Company of Colorado's (PSCO) BAA. The eastern and western interconnections

are separated by alternating-current to direct-current to alternating-current transmission facilities (AC-DC-AC ties, but commonly just referred to as the "DC ties"), which are boundaries that separate the two major electrical regions of the United States, allowing them to operate at their own unique AC frequencies. This boundary essentially runs south from Fort Peck, Montana, approximately following the South Dakota-Wyoming, Nebraska- Wyoming, and Colorado-Kansas borders.

As a result of this, Basin Electric must supply generating capacity and energy on both sides of the DC ties to serve its member-load requirements across all six BA Areas. Although, with enough firm transmission service maintained between all 4 of the BAAs connecting Basin Electric's resources to load in the western interconnection, those 4 BAAs can be rolled into a single assessment area where any of Basin Electric's resources are available to serve their load. So for power supply planning purposes, Basin Electric often looks at it as 3 assessment areas where enough resources must be held to serve load: 1) SPP, where approximately 75% of Basin Electric's system resides; 2) MISO, with approximately 10% of Basin Electric's system of loads; and 3) the "West", consisting of Basin Electric's system across the NWMT, SPP RTOE, BHBA, PACE, and PSCO's BAAs and consisting of the remaining ~15% of Basin Electric's system of loads.

The resources available to Basin Electric to serve its members' east-side requirements in SPP and MISO are as follows:

Leland Olds Station: Leland Olds Unit 1 was placed in-service on January 9, 1966, and is a base-load coal fueled unit located near Stanton, North Dakota with a net capacity of 220 MW. Leland Olds Unit 2 is a coal fueled unit that was placed in-service on December 15, 1975, and its net capacity is rated at 440 MW.

Antelope Valley Station: Basin Electric operates two 450 MW (net) thermal-generating base-load coal fired units near Beulah, North Dakota. Unit 1 began commercial operation on July 1, 1984, and Unit 2 began partial commercial operation on June 1, 1986.

Laramie River Station: Basin Electric, together with five other consumer-owned power supply entities, began construction of the Laramie River Station near Wheatland in southeast Wyoming in July 1976. The station's three units became fully operational on November 1, 1982, with each unit at a net capacity of 570 MW until the Selective Catalytic Reduction (SCR) pollution control equipment was commissioned on unit 1 in 2019 causing additional parasitic load to reduce unit 1's net capacity down to 560 MW. Basin Electric, as Project Manager and Operating Agent for the Missouri Basin Power Project, was assigned overall responsibility for the design, construction and operation of the power plant and related transmission. Units 2 and 3 of the Laramie River Station are electrically connected to the western system; Unit 1 is electrically connected to the eastern system. In 2018, Heartland Consumer Power District sold their share of the Laramie River Station to Tri-State G&T, and in 2021 Wyoming Municipal Power Agency sold their share to Tri-State because they became an All-Requirements member of Basin Electric. So today there are only 3 other owners of the Laramie River Station besides Basin Electric. The amount of power Basin Electric receives from the eastern unit is 92 MW (net).

Spirit Mound Station: Basin Electric placed in service two fuel oil-fired combustion turbines on June 30, 1978. The combined net winter rating of the two units is 120 MW and the net summer rating is 95 MW. The capacity is intended to be used primarily as reserves or replacement during initial outages of base-load units or during peak load periods when existing base-load units cannot meet the demand. The Spirit Mound Station is located near Vermillion, South Dakota.

Earl F. Wisdom Unit 1: Basin Electric and Corn Belt Power Cooperative (Corn Belt), one of Basin Electric's member cooperatives, negotiated a power supply contract which provides that Corn Belt will sell to Basin Electric Corn Belt's 38 MW of uncommitted capacity and associated energy from the Earl F. Wisdom Unit 1. In return, Corn Belt entered into a wholesale power contract with Basin Electric whereby Basin Electric will sell and deliver to Corn Belt all of Corn Belt's capacity and energy requirements in excess of the power and energy available to Corn Belt from the Western Area Power Administration. In accordance with the Utility Mercury and Air Toxics Standards (MATS), Unit 1 stopped burning coal in January of 2014. Corn Belt and Basin Electric completed a retrofit of Unit 1 to switch from coal to natural gas for fuel. This retrofit was completed in June of 2014.

Earl F. Wisdom Unit 2: Basin Electric partnered with Corn Belt Power Cooperative to build the 80 MW natural gas peaking unit near Spencer, Iowa. Basin Electric owns one half of the unit, which was placed in service in April 2004. Basin Electric purchases 87.5 % of Corn Belt's owned half in response to Corn Belt entering into a Wholesale Power Contract; therefore, Basin Electric has 93.75% or 75 MW from the 80 MW combustion turbine.

Groton Generation Station: The Groton Station is located near Groton, South Dakota. Basin Electric commissioned Groton Unit 1 in 2006 and Unit 2 in 2008. These LMS 100 natural gas units provide peaking power. Unit 1 has a net winter rating of 95 MW and Unit 2 has a net winter rating of 93 MW. Unit 1 has a synchronous clutch installed to provide grid voltage stability.

Culbertson Generation Station: The Culbertson Station is located near Culbertson, Montana. Basin Electric commissioned Culbertson Unit 1 in 2010. The LMS 100 natural gas unit provides peaking power. The unit has a net winter rating of 95 MW.

Deer Creek Station: The Deer Creek Station is located near Brookings, South Dakota. Basin Electric commissioned the Deer Creek Station in August of 2012. The unit is a combined cycle natural gas facility that provides intermediate power. The unit has a net winter rating of 297 MW.

Pioneer Generation Station: The Pioneer Station northwest of Williston, North Dakota was built to serve the increasing demand for electricity by member cooperatives in northwest North Dakota. Unit 1 started commercial operation in 2013, Unit 2 and Unit 3 started commercial operation in 2014, and the twelve natural gas reciprocating internal combustion engines (RICE) units 11 through 22 started commercial operation in 2017. Each of the first three units has 45 MW of net generating capability and the twelve RICE units have a net generating capability of 8.9 MW each giving the station a total rating of approximately 242 MW. Unit 1 of Pioneer Generation Station features a

clutch that allows the turbine to uncouple from the generator, allowing the generator to provide transmission system voltage support. This feature, if needed, is used to provide fast-acting reactive power which will stabilize the transmission system in the area. The six RICE units added as part of Phase IV (Units 31-36) began commercial operation in March 2025 and have net generating capabilities of 18.4 MW each. Units 4 and 5 (both CTs) began commercial operation in October and May of 2025, respectively, and have net generating capabilities of 210 MW each. The addition of Phase IV brings Pioneer Generation Station to a total of 760 MW of net generation capability.

Lonesome Creek Station: The Lonesome Creek Station is located near Watford City, North Dakota. Commercial operation for Lonesome Creek Unit 1 began in December 2013, Units 2 and 3 in January 2015, Units 4 and 5 in March 2017, and Unit 6 in October 2021. Each unit consists of a LM 6000 natural gas combustion turbine and provides peaking power. Each unit has a net winter rating of 45 MW for a total station generating capability of 270MW. Unit 1 has a synchronous clutch installed to provide grid voltage stability.

Minot Wind Project: Basin Electric, in partnership with Central Power Electric Cooperative, has constructed a wind energy project 14 miles south of Minot, North Dakota. The first two turbines totaling 2.6 MW of generating capability were placed into commercial service in February 2002 and were recently decommissioned in March of 2022. Three additional turbines totaling 4.5 MW of generating capability were added in December 2009. The energy is delivered to members as part of Basin Electric's overall power supply.

PrairieWinds 1: Basin Electric has constructed a wind energy project of 77 turbines near Minot, North Dakota. The project has a generating capability of 115.5 MW and was placed into commercial service in December 2009.

Crow Lake Wind Project: Basin Electric has constructed a wind energy project of 108 turbines near White Lake, South Dakota. The project has a generating capability of 172 MW and was placed into commercial service in 2011. Basin Electric purchased the 108th turbine back from Mitchell Technical Institute in 2025 and now owns all 108 turbines.

WAPA Peaking Capacity: In 1968 Basin Electric executed a long-term contract with the federal government for USBR (now WAPA) hydro peaking from the dams in the Missouri River Basin. This contract currently provides Basin Electric with 268.2 MW of winter peaking capacity at load and for Basin Electric to return a like amount of energy to Western during off-peak periods.

George Neal IV: Basin Electric and Northwest Iowa Power Cooperative (NIPCO), one of Basin Electric's member cooperatives, negotiated a power supply contract which provides that NIPCO will sell to Basin Electric NIPCO's 31 MW of uncommitted capacity and associated energy from Unit No. 4 of the George Neal Generating Station (Neal IV). In return NIPCO entered into a wholesale power contract with Basin Electric whereby Basin Electric will sell and deliver to NIPCO all of NIPCO's capacity and energy requirements in excess of the power and energy available to NIPCO from the Western Area Power Administration.

Basin Electric and Corn Belt Power Cooperative, one of Basin Electric's member cooperatives, negotiated a power supply contract which provides that Corn Belt Power will sell to Basin Electric Corn Belt Power's 73 MW of uncommitted capacity and associated energy from Unit No. 4 of the George Neal Generating Station (Neal IV). In return, Corn Belt Power entered into a wholesale power contract with Basin Electric whereby Basin Electric will sell and deliver to Corn Belt Power all of Corn Belt Power's capacity and energy requirements in excess of the power and energy available to Corn Belt Power from the Western Area Power Administration.

Walter Scott 3 and 4: Basin Electric and Corn Belt Power, one of Basin Electric's member cooperatives, negotiated a power supply contract which provides that Corn Belt Power will sell to Basin Electric Corn Belt Power's 26 MW of uncommitted capacity and associated energy from Unit No. 3 and 45 MW of uncommitted capacity and associated energy from Unit No. 4 of the Walter Scott Energy Center. In return, Corn Belt Power entered into a wholesale power contract with Basin Electric whereby Basin Electric will sell and deliver to Corn Belt Power all of Corn Belt Power's capacity and energy requirements in excess of the power and energy available to Corn Belt Power from the Western Area Power Administration.

Western Native American Purchase: Basin Electric receives a Native American Allocation of 39.9 MW in the winter and 41.1 MW in the summer season. This allocation is a result of congressional action that made federal power available to the Native Americans.

Rapid City DC Tie: Basin Electric and Black Hills Power, Inc. have jointly constructed a 200 MW asynchronous tie at Rapid City, South Dakota. This tie enables Basin Electric to serve load located on eastern system using capacity and/or energy from west side resources and vice versa. The Basin Electric ownership percentage is 65% and the Black Hills Power, Inc. ownership percentage is 35%. Currently, Basin Electric has rights to 130 MW of the tie.

Stegall (David Hamil) DC Tie: Tri-State G&T Association constructed a 110 MW asynchronous tie at Stegall, Nebraska. Basin Electric has acquired all rights to this tie via a lease agreement. This enables Basin Electric to serve load located on the eastern system using capacity and/or energy from west side resources and vice versa.

Other Short-Term Resources: Basin Electric has also entered into a number of short-term purchase agreements to meet contractual power supply obligations. Due to the relatively short duration of these arrangements no specifics are provided.

Long-Term Resource:

- Wind Purchases:
    - 40 MW west of Edgeley, North Dakota
    - Two 49.5 MW projects near Wilton, North Dakota
    - 100 MW near Baldwin, North Dakota
    - 40 MW near Highmore, South Dakota
    - 94 MW near Pollock, South Dakota

- 99 MW near Groton, South Dakota
- 104 MW near Hebron, North Dakota
- 150 MW near Tioga, North Dakota
- Two 150 MW projects near New England, North Dakota
- 197.9 MW near Columbus, North Dakota
- 208 MW near Avon, South Dakota
- 142 MW near Tioga, North Dakota
- 200 MW near Harold, South Dakota
- 99 MW near Mandan, North Dakota

- Solar Purchases:
  - 114 MW near Rapid City, South Dakota

- Peaking Purchases:
  - 10 MW City of Madison, South Dakota diesel generators
  - Eight 5.5 MW waste heat recovery units from Ormat Technologies Inc. (3 sites in North Dakota near St. Anthony, Killdeer, and Zeeland; 3 in South Dakota; 1 in Montana; 1 in Minnesota)
  - One 1.7 MW waste heat/steam letdown generator and 14.5 MW combined heat and power generator from Siouxland Energy Cooperative near Sioux Center, Iowa
  - 94.2 MW in purchases from Corn Belt Power
    - 23.8 MW from Webster City, Iowa
    - 11.1 MW from Estherville, Iowa
    - 10 MW from Spencer, Iowa
    - 42 MW from their share of the Superior, Lakota, and Crosswinds wind projects in Iowa
  - ~80 MW from North Iowa Municipal Electric Cooperative Association's (NIMECA's) surplus capacity resources in Iowa
  - ~11 MW from Pine Lake ethanol production facility near Steamboat Rock, IA
  - 6 MW from Blue Flint ethanol production facility near Underwood, ND
  - ~30 MW from three flare gas generators in ND, from Spotlight Power and Continental Resources

- Other Long Term PPAs:
  - Tolling Agreement
    - 245-262 MW from LSP Cottage Grove (12/2027-5/2043)
    - 100 MW Northern Divide Battery (12/2026 – 11/2045)
  - Capacity Only
    - 100 MW from Minnesota Power (6/2025-5/2028)
    - 50-80 MW from Manitoba Hydro (6/2023-5/2028)
    - 75 MW from Dairyland Power Cooperative (6/2023-5/2033)
    - 35-185 MW from Missouri River Energy Services (10/2020-9/2035)
    - 25-50 MW from Rainbow Energy Center (6/2023-5/2027)
    - ~50 MW from National Grid for Crocker Wind accredited capacity (6/2023-5/2031)
    - ~35-115 MW from Invenergy for Jayhawk Wind, Thunderhead Wind, and Tip Top Solar (6/2027-5/2036)

Future Power Supply: For discussion of future power supply, please refer to Section B (Energy Conversion Facilities Under Construction) and Section D (Proposed Energy Conversion Facilities During the Next Ten-Year Time Period).

The resources available to Basin Electric to serve its members' west-side requirements are as follows:

Laramie River Station: The Laramie River Station capacity that Basin Electric receives from Units 2 and 3 on the western interconnection is 627 MW (net).

Miles City DC Tie: Basin Electric and the Western Area Power Administration have jointly constructed a 200 MW back-to-back AC-DC-AC tie at Miles City, MT. This tie, which provides a 40% capacity entitlement, enables Basin Electric to serve Central Montana Power Cooperative, Inc., a Class A member with loads located primarily west of the east-west ties, using capacity from east-side resources such as Antelope Valley Station.

Wyoming Distributed Generation: The Wyoming Distributed Generation originally consisted of 9 peaking units located at three sites; Arvada, Hartzog and Barber Creek. One of the units at the Arvada site was retired in late 2021, so now there are 8 units across the three sites. These units are natural gas fired combustion turbines each with a net generating capability of 5 MW in the summer and 6 MW in the winter, for a total net generating capability of 40 MW summer and 48 MW winter. These units were released for commercial operation in 2002. These units currently are utilized for meeting our operating reserves for Basin Electric's west side electrical requirements.

Dry Fork Station: Basin Electric, together with the Wyoming Municipal Power Agency (WMPA), began construction of the Dry Fork Station near Gillette in northeast Wyoming in 2007. The station's single unit has a total net generating capability of 405 MW and became fully operational in November of 2011. Basin Electric owned 92.9% of the station until WMPA became a member of Basin Electric in late 2020 and sold their share of Dry Fork in early 2021 so that Basin Electric now owns 100% of the station.

Long Term PPAs: Basin Electric has secured the following purchase for Firm Capacity and/or Firm Energy in the NWPP region.

- 100-150 MW from Morgan Stanley Capital Group (1/2019-12/2027)

The load values contained in Exhibit 2 were obtained from the econometric based load forecast. Loads in North Dakota are located in SPP and MISO Local Resource Zone 1 assessment areas so Basin Electric's loads in each of these areas have been adjusted to an at-generator system coincident basis by allowing for reserves, on-peak losses and system diversity as outlined in Exhibit 3. Basin Electric has no concentrated load centers due to the regional and rural nature of the total load. The fuel sources and transportation facilities for existing and future plants are as follows:

Plant	Fuel Source	Transportation
Leland Olds Station	Lignite Coal	Rail
Spirit Mound Station	Oil	Pipeline
Laramie River Station	Sub-Bituminous Coal	Rail
Antelope Valley Station	Lignite Coal	Mine Mouth
Minot Wind Project	Wind	N/A
WY Distributed Generation	Natural Gas	Pipeline
Wisdom Unit 2	Natural Gas/Fuel Oil	Pipeline
Groton Generation Station	Natural Gas	Pipeline
PrairieWinds 1	Wind	N/A
Crow Lake Wind Project	Wind	N/A
Culbertson Gen Station	Natural Gas	Pipeline
Deer Creek Station	Natural Gas	Pipeline
Dry Fork Station	Sub-Bituminous Coal	Mine Mouth
Pioneer Gen Station	Natural Gas	Pipeline
Lonesome Creek Station	Natural Gas	Pipeline

Pursuant to federal and state laws, Basin Electric will examine all alternatives capable of producing an adequate and reliable source of energy for its cooperative. Specific alternatives selected will be evaluated considering environmental, engineering and economic factors. Additional facilities, transmission and generation will be designed and operated in accordance with state and federal standards.

EXHIBIT 1 - US DEPARTMENT OF ENERGY FORM EIA-923

(distributed only to the Public Service Commission)

U.S. Department of Energy
Energy Information Administration
Form EIA-923

Supplemental EIA923 Power Plant Operations Report

Year: **2024** Plant: **6469** **Antelope Valley**

Form Approval
OMB No. 1905-0129
Approval Expires 07/31/2026

NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Is this a regulated utility plant	☒ **Yes** ☐ **No**
Is this a combined heat and power pla	☐ **Yes** ☒ **No**
Enter the total plant efficiency of the combined heat and power p	☐ **%**

Survey Contact

Contact	Erin Dukart	Submit Date	20-MAR-25
Title	Environmental Compliance Coordinator		
Address	1717 E. Interstate Avenue		
City/State/Zip	Bismarck ND 58503		
Email	edukart@bepc.com	Phone (701) 557-5557	Fax

Supervisor of Contact Person for Survey

Contact	Colleen Peterson		
Title			
Address			
City/State/Zip			
Email	cpeterson@bepc.com	Phone (701) 516-2719	Fax

Report For

Company Name	Basin Electric Power Coop		
Plant Name	Antelope Valley		
Plant ID	6469	Plant County	Mercer
Plant Address	Hwy 200		
Plant City	Beulah	Plant State	ND

For contact detail go to http://www.eia.doe.gov/oss/forms.html#eia-923

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SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

(Instructions for SCHEDULE 6 are on page 13)

SCHEDULE 6 collects calendar year data (no monthly detail).
Report all generation in **megawatthours (MWh)** rounded to a whole number.

(1) Gross Generation (Annual)	(4) Station Use
(2) Other Incoming Electricity	(5) Direct Use
	(6) Total Facility Use (4 + 5)
	(7) Retail Sales to Ultimate Customers
	(8) Sales for Resale (MWh)
	(9) Provided Tolling Agreement (MWh)
	(10) Other Outgoing Electricity
(3) Total Sources (1 + 2)	(11) Total Disposition (6 + 7 + 8+ 9+ 10)

Total Sources must equal Total Disposition (3 = 11)

Plants that cannot separate Station Use and Direct Use may enter zero in Station Use and the sum of Station Use and Direct Use in the Direct Use field.

Types of Other Incoming Electricity
List all of the types of incoming electricity included in (2) Other Incoming Electricity

Types of Other Outgoing Electricity
List all of the types of outgoing electricity in item (10) Other Outgoing Electricity

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SCHEDULE 7. PART A. ANNUAL REVENUES FROM SALES FOR RESALE TOAL

Complete Schedule 7, Part A, only if a positive value was entered on Schedule 6, Item (8): "Sales for Resale."

Sales for Resale are energy supplied to electric utilities, cooperatives, municipalities, federal and state elecytic agencies, power marketers, or other entities, for resale to end-use consumers.

Report in thousand dollars. For example $1,987,234 should be entered as 1,987

Annual Revenues from Sales for Resale (in thousand dollars)

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SCHEDULE 7. PART B. ANNUAL RETAIL SALES, REVENUES AND NUMBER OF CUSTOMERS FROM RETAIL SALES

Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).
Complete an individual Schedule 7, Part B, for each state where customers are located, only if a positive value was entered on Schedule 6, Item (7), "Retail Sales to Ultimate Customers."

Annual Retail Sales, Revenue, and Number of Customers:

- Retail sales are sold directly to an end-use customer (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).
- Enter annual retail sales, revenue, and number of customers for each state where customer(s) are located.
  - Report Annual Retail Sales in megawatthours (Mwh), by sector.
  - Report Annual Revenue in thousand dollars, by sector.
  - Report Number of Customers, by sector.

State

Items	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (Mwh)					
Revenue ($ 000's)					
Number of Customers					

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SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION

SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

Complete an individual Schedule 8. Part A annually for each organic-fueled thermoelectric power plant (i.e., steam-electric plants, including nuclear and combined cycle plants with a total steam turbine capacity of greater than, or equal to 100 megawatts.
- Enter the quantity of combustion by-products for the year, by type of disposal.
- If actual data are not available, provide an estimate value.
- Report the quantity of combustion by-products rounded to the nearest 0.1 thousand tons.
- Report sales of steam in million BTU (MMBtu)
- If no by-product was produced, place a check in the checkbox labeled "Select if no combustion by-product were produced"

NOTE: PCD = Particulate Control Device; FGD = Flue Gas Desulfurization; FBC = Fluidized Bed combustion; IGCC = Integrated Gasification Combined Cycle

☐ No Byproducts

Combustion Byproduct	Disposal			Beneficial Use		Storage		Total
	On-site Landfill	Disposal On-site Ponds	Disposal Off-site	Sold	Used On-site	Used Off-site	Storage Stored On-site	Stored Off-site	
Fly ash from standard boiler/PCD units									
Fly ash from units with dry FGD			567.7	0.0		12.7			580.4
Fly ash from FBC units									
Bottom ash from standard boiler units			141.9						141.9
Bottom (bed) ash from FBC units									
FGD Gypsum									
Other FGD byproducts									
Ash from coal gasification (IGCC) units									
Other (specify via footnote on Schedule 9)									
Steam Sales (MMBtu)									

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SCHEDULE 8. PART B. FINANCIAL INFORMATION RELATED TO COMBUSTION BY-PRODUCTS

Complete an individual Schedule 8, Part B, annually, for each organically fueled thermolectric power plant with a total steam turbine capacity greater than, or equal to, 100 megawatts.
- Data reported in Schedule 8, Part B must correspond to the combustion by-product data reported on Schedule 8, Part A.
- If actual data are not available, provide an estimate value.
- Report all values in thousand dollars, to the nearest thousand.

Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars)

Type	(1) Fly Ash	(2) Bottom Ash	(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement	(6) Total (1 + 2 + 3 + 4 + 5)
Collection						
Disposal						
Other	1,890	939	5,382			8,211

Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars)

Type	(7) Air Pollution Abatement	(8) Water Pollution Abatement	(9) Solid/Contained Waste	(10) Other Pollution Abatement
Amount	130	0	2,356	

Byproduct Sales Revenue During Year (Thousand Dollars)

Type	(11) Fly Ash	(12) Bottom Ash	(13) Fly and Bottom Ash Sold Intermingled	(14) Flue Gas Desulfurization	(15) Other Byproduct Revenue	(16) Total (11+12+13+14+15)
Amount						

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Report electricity generation related operational emissions data for sulfur dioxide (SO2), nitrogen oxides (NO2), particulate matter, mercury, and acid gas.

Annual Operations

Environmental Equipment and/or Technology Type							NOx Emission Rate (lbs/MMBtu)		Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status	Hours in Service	Entire Year	May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)
LN			B1		OP	6458	.1388	.1329												
OT				1	OP	6458												.9	2.90	
OV			B1		OP	6458	.1388	.1329												
LN			B2		OP	8252	.1345	.134												
OT				2	OP	8252												.9	2.77	
OV			B2		OP	8252	.1345	.134												
BR	BH1			1	OP	6458			.005	80	99.9	09-1983						.9	2.90	
BR	BH2			2	OP	8252			.0064	80	99.9	08-1986						.9	2.77	
SD		FGD1		1	OP	6458							64	86.8	09-1983	32.7	10565	.9	2.90	
SD		FGD2		2	OP	8252							86	86.8	08-1986	40.9	14482	.9	2.77	

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Annual Operations

Environmental Equipment and/or Technology Type						**NOx Emission Rate (lbs/MMBtu)**		**Particulate Matter Control**				**Sulfur Dioxide Control**					**Mercury Control**		**Acid Gas Control**
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status Hours in Service	Entire Year	May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)

Flue Gas Desulfurization Unit ID	**Feed Materials and Chemicals**	**FGD Operation and Maintenance Expenditures During Year, Excluding Electricity (Thousand Dollars)**		**Maintenance, Material and All Other Costs**	**Total**
		Land and Supervision	**Waste Disposal**		
FGD1	$4,416	$1,322	$6,875	$29	$12,642
FGD2	$4,992	$1,322	$1,336	$28	$7,678

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SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- **Complete a seperate schedule for each reporting month.**
- Complete a seperate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per monthe	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
CC1	RF	OP	693	2.959	2891	2891	0	2891	2	34				7	129.051	129.051	0	129.051
Report Month 2																		
CC1	RF	OP	612	2.697	2816	2816	0	2816	2	34				7	117.614	117.614	0	117.614
Report Month 3																		
CC1	RF	OP	688	2.801	2737	2737	0	2737	2	34				7	122.183	122.183	0	122.183
Report Month 4																		
CC1	RF	OP	62	.213	215	215	0	215	2	49				7	9.291	9.291	0	9.291
Report Month 5																		
CC1	RF	OP	0	0	0	0	0	0	2	60				7	0	0	0	0
Report Month 6																		
CC1	RF	OP	424	2.539	2563	2563	0	2563	2	66				7	110.72	110.72	0	110.72

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- **Complete a seperate schedule for each reporting month.**
- Complete a seperate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
CC1	RF	OP	562	2.986	2918	2918	0	2918	2	75				7	130.246	130.246	0	130.246
Report Month 8																		
CC1	RF	OP	621	3.313	3237	3237	0	3237	2	70				7	144.52	144.52	0	144.52
Report Month 9																		
CC1	RF	OP	712	3.553	3587	3587	0	3587	2	64				7	154.954	154.954	0	154.954
Report Month 10																		
CC1	RF	OP	650	2.938	2870	2870	0	2870	2	51				7	128.13	128.13	0	128.13
Report Month 11																		
CC1	RF	OP	671	2.76	2786	2786	0	2786	2	39				7	120.375	120.375	0	120.375
Report Month 12																		
CC1	RF	OP	539	2.203	2153	2153	0	2153	2	34				7	96.106	96.106	0	96.106

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Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.
- **Complete a seperate schedule for each reporting month.**
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Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
CC2	RF	OP	744	3.251	3071	3071	0	3071	2	34				7	137.089	137.089	0	137.089
Report Month 2																		
CC2	RF	OP	618	2.672	2698	2698	0	2698	2	34				7	112.686	112.686	0	112.686
Report Month 3																		
CC2	RF	OP	640	2.583	2440	2440	0	2440	2	34				7	108.917	108.917	0	108.917
Report Month 4																		
CC2	RF	OP	720	2.823	2755	2755	0	2755	2	49				7	119.044	119.044	0	119.044
Report Month 5																		
CC2	RF	OP	715	3.492	3298	3298	0	3298	2	60				7	147.24	147.24	0	147.24
Report Month 6																		
CC2	RF	OP	437	2.143	2092	2092	0	2092	2	66				7	90.37	90.37	0	90.37

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- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

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					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
CC2	RF	OP	744	3.251	3071	3071	0	3071	2	34				7	137.089	137.089	0	137.089
Report Month 2																		
CC2	RF	OP	618	2.672	2698	2698	0	2698	2	34				7	112.686	112.686	0	112.686
Report Month 3																		
CC2	RF	OP	640	2.583	2440	2440	0	2440	2	34				7	108.917	108.917	0	108.917
Report Month 4																		
CC2	RF	OP	720	2.823	2755	2755	0	2755	2	49				7	119.044	119.044	0	119.044
Report Month 5																		
CC2	RF	OP	715	3.492	3298	3298	0	3298	2	60				7	147.24	147.24	0	147.24
Report Month 6																		
CC2	RF	OP	437	2.143	2092	2092	0	2092	2	66				7	90.37	90.37	0	90.37

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Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.
- **Complete a seperate schedule for each reporting month.**
- Complete a seperate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
CC2	RF	OP	744	4.136	3907	3907	0	3907	2	75				7	174.424	174.424	0	174.424
Report Month 8																		
CC2	RF	OP	666	3.6	3401	3401	0	3401	2	70				7	151.81	151.81	0	151.81
Report Month 9																		
CC2	RF	OP	678	3.412	3331	3331	0	3331	2	64				7	143.896	143.896	0	143.896
Report Month 10																		
CC2	RF	OP	744	3.4	3212	3212	0	3212	2	51				7	143.39	143.39	0	143.39
Report Month 11																		
CC2	RF	OP	694	2.86	2792	2792	0	2792	2	39				7	120.615	120.615	0	120.615
Report Month 12																		
CC2	RF	OP	744	3.443	3252	3252	0	3252	2	34				7	145.184	145.184	0	145.184

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SCHEDULE 9. COMMENTS

(Instructions for SCHEDULE 9. are on page 20.)

Schedule	Part	Item	Comments
8	D		USGS Data from the lake.
8	C		Chemical injected into scrubber.

Generator Retirement Dates

Generator Id	Retirement Month	Retirement Year	Comments

Changes in Ownership (Provide name of purchaser and date sold.)

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ERRORS

Purchase Type	Fuel	Schedule	Prime Mover	Equipment ID	Rpt Month	Supplier	Error	Number & Description	Ranges	Override Comment
		8A					808	You have entered a cost in O&M Expenditures for FGD on Schedule 8B (Part 3), but have not entered a positive quantity of FGD Gypsum or By-products in any column on Schedule 8A. Please enter the quantity of FGD byproduct or FGD Gypsum associated with the costs in Schedule 8B.		FGD qunitity is included in the fly ash quantity.
		8C		1/SD			890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8C		2/SD			890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8C		OT			1815	A comment is required on Schedule 9 for the Other Equipment Type (OT) you selected on Schedule 8C. Please enter Schedule 8, Part C, and Item OT next to the explanation comment.		This has been done.
		8D					864	The code for "Other" was selected for the 'Measured or Estimated' Water Temperature. Specify the method in an override comment.		This has been done.

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NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Is this a regulated utility plant	☒ **Yes** ☐ **No**
Is this a combined heat and power pla	☐ **Yes** ☒ **No**
Enter the total plant efficiency of the combined heat and power p	**%**

Survey Contact

Contact	Erin Dukart		Submit Date	23-MAR-26
Title	Environmental Compliance Coordinator			
Address	1717 E. Interstate Avenue			
City/State/Zip	Bismarck	ND 58503		
Email	edukart@bepc.com	Phone	(701) 557-5557	Fax

Supervisor of Contact Person for Survey

Contact	Colleen Peterson			
Title				
Address				
City/State/Zip				
Email	cpeterson@bepc.com	Phone	(701) 516-2719	Fax

Report For

Company Name	Basin Electric Power Coop		
Plant Name	Antelope Valley		
Plant ID	6469	Plant County	Mercer
Plant Address	Hwy 200		
Plant City	Beulah	Plant State	ND

For contact detail go to http://www.eia.doe.gov/oss/forms.html#eia-923

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SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

(Instructions for SCHEDULE 6 are on page 13)

SCHEDULE 6 collects calendar year data (no monthly detail).
Report all generation in **megawatthours (MWh)** rounded to a whole number.

(1) Gross Generation (Annual)	(4) Station Use
(2) Other Incoming Electricity	(5) Direct Use
	(6) Total Facility Use (4 + 5)
	(7) Retail Sales to Ultimate Customers
	(8) Sales for Resale (MWh)
	(9) Provided Tolling Agreement (MWh)
	(10) Other Outgoing Electricity
(3) Total Sources (1 + 2)	(11) Total Disposition (6 + 7 + 8+ 9+ 10)

Total Sources must equal Total Disposition (3 = 11)

Plants that cannot separate Station Use and Direct Use may enter zero in Station Use and the sum of Station Use and Direct Use in the Direct Use field.

Types of Other Incoming Electricity
List all of the types of incoming electricity included in (2) Other Incoming Electricity

Types of Other Outgoing Electricity
List all of the types of outgoing electricity in item (10) Other Outgoing Electricity

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SCHEDULE 7. PART A. ANNUAL REVENUES FROM SALES FOR RESALE TOAL

Complete Schedule 7, Part A, only if a positive value was entered on Schedule 6, Item (8): "Sales for Resale."

Sales for Resale are energy supplied to electric utilities, cooperatives, municipalities, federal and state elecytic agencies, power marketers, or other entities, for resale to end-use consumers.

Report in thousand dollars. For example $1,987,234 should be entered as 1,987

Annual Revenues from Sales for Resale (in thousand dollars)

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SCHEDULE 7. PART B. ANNUAL RETAIL SALES, REVENUES AND NUMBER OF CUSTOMERS FROM RETAIL SALES

Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).
Complete an individual Schedule 7, Part B, for each state where customers are located, only if a positive value was entered on Schedule 6, Item (7), "Retail Sales to Ultimate Customers."

Annual Retail Sales, Revenue, and Number of Customers:

- Retail sales are sold directly to an end-use customer (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).
- Enter annual retail sales, revenue, and number of customers for each state where customer(s) are located.
  - Report Annual Retail Sales in megawatthours (Mwh), by sector.
  - Report Annual Revenue in thousand dollars, by sector.
  - Report Number of Customers, by sector.

State

Items	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (Mwh)					
Revenue ($ 000's)					
Number of Customers					

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SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION

SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

Complete an individual Schedule 8. Part A annually for each organic-fueled thermoelectric power plant (i.e., steam-electric plants, including nuclear and combined cycle plants with a total steam turbine capacity of greater than, or equal to 100 megawatts.
- Enter the quantity of combustion by-products for the year, by type of disposal.
- If actual data are not available, provide an estimate value.
- Report the quantity of combustion by-products rounded to the nearest 0.1 thousand tons.
- Report sales of steam in million BTU (MMBtu)
- If no by-product was produced, place a check in the checkbox labeled "Select if no combustion by-product were produced"

NOTE: PCD = Particulate Control Device; FGD = Flue Gas Desulfurization; FBC = Fluidized Bed combustion; IGCC = Integrated Gasification Combined Cycle

☐ No Byproducts

	Disposal			Beneficial Use		Storage		
Combustion Byproduct	On-site Landfill	Disposal On-site Ponds	Disposal Off-site	Sold	Used On-site	Used Off-site	Storage Stored On-site	Stored Off-site	Total
Fly ash from standard boiler/PCD units									
Fly ash from units with dry FGD			617.5	0.0		63.3			680.8
Fly ash from FBC units									
Bottom ash from standard boiler units			154.4						154.4
Bottom (bed) ash from FBC units									
FGD Gypsum									
Other FGD byproducts									
Ash from coal gasification (IGCC) units									
Other (specify via footnote on Schedule 9)									
Steam Sales (MMBtu)									

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- Data reported in Schedule 8, Part B must correspond to the combustion by-product data reported on Schedule 8, Part A.
- If actual data are not available, provide an estimate value.
- Report all values in thousand dollars, to the nearest thousand.

Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars)

Type	(1) Fly Ash	(2) Bottom Ash	(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement	(6) Total (1 + 2 + 3 + 4 + 5)
Collection						
Disposal						
Other	1,988	1,762	1,358	0	0	5,108

Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars)

Type	(7) Air Pollution Abatement	(8) Water Pollution Abatement	(9) Solid/Contained Waste	(10) Other Pollution Abatement
Amount	0	0	1,588	0

Byproduct Sales Revenue During Year (Thousand Dollars)

Type	(11) Fly Ash	(12) Bottom Ash	(13) Fly and Bottom Ash Sold Intermingled	(14) Flue Gas Desulfurization	(15) Other Byproduct Revenue	(16) Total (11+12+13+14+15)
Amount	0	0	0	0	0	0

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Report electricity generation related operational emissions data for sulfur dioxide (SO2), nitrogen oxides (NO2), particulate matter, mercury, and acid gas.

Annual Operations

Environmental Equipment and/or Technology Type							NOx Emission Rate (lbs/MMBtu)		Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status	Hours in Service	Entire Year	May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)
LN			B1		OP	7984	.1377	.135												
OT				1	OP	7984												87.1	2.70	
OV			B1		OP	7984	.1377	.135												
LN			B2		OP	8243	.1262	.1192												
OT				2	OP	8243												86.6	2.81	
OV			B2		OP	8243	.1262	.1192												
BR	BH1			1	OP	7984			.005	99.9	99.9	09-1983						87.1	2.70	
BR	BH2			2	OP	8243			.0064	99.9	99.9	08-1986						86.6	2.81	
SD		FGD1		1	OP	7984							86.8	86.8	09-1983	45.9	13174	87.1	2.70	
SD		FGD2		2	OP	8243							86.8	86.8	08-1986	45.3	14466	86.6	2.81	

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Annual Operations

Environmental Equipment and/or Technology Type						NOx Emission Rate (lbs/MMBtu)		Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status	Hours in Service	Entire Year / May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)

Flue Gas Desulfurization Unit ID	Feed Materials and Chemicals	FGD Operation and Maintenance Expenditures During Year, Excluding Electricity (Thousand Dollars)		Maintenance, Material and All Other Costs	Total
		Land and Supervision	Waste Disposal		
FGD1	$6,087	$1,226	$2,698	$28	$10,039
FGD2	$5,975	$1,226	$2,410	$27	$9,638

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SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- **Complete a seperate schedule for each reporting month.**
- Complete a seperate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per monthe	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
CC1	RF	OP	715	2.412	2949	2949	0	2949	2	32				7	131.656	131.656	0	131.656
Report Month 2																		
CC1	RF	OP	672	2.287	3096	3096	0	3096	2	32				7	124.82	124.82	0	124.82
Report Month 3																		
CC1	RF	OP	743	2.507	3065	3065	0	3065	2	35				7	136.816	136.816	0	136.816
Report Month 4																		
CC1	RF	OP	604	2.103	2657	2657	0	2657	2	48				7	114.794	114.794	0	114.794
Report Month 5																		
CC1	RF	OP	460	1.663	2033	2033	0	2033	2	59				7	90.754	90.754	90.754	90.754
Report Month 6																		
CC1	RF	OP	520	2.361	2983	2983	0	2983	2	67				7	128.865	128.865	0	128.865

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Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.
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Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
CC1	RF	OP	744	3.422	4183	4183	0	4183	2	73				7	186.762	186.762	0	186.762
Report Month 8																		
CC1	RF	OP	664	3.066	3749	3749	0	3749	2	73				7	167.374	167.374	0	167.374
Report Month 9																		
CC1	RF	OP	720	3.106	3924	3924	0	3924	2	63				7	169.512	169.512	0	169.512
Report Month 10																		
CC1	RF	OP	668	2.532	3096	3096	0	3096	2	52				7	138.228	138.228	0	138.228
Report Month 11																		
CC1	RF	OP	720	2.583	3263	3263	0	3263	2	39				7	140.973	140.973	0	140.973
Report Month 12																		
CC1	RF	OP	640	2.244	2744	2744	0	2744	2	32				7	122.485	122.485	0	122.485

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					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
CC2	RF	OP	615	1.84	2171	2171	0	2171	2	32				7	96.914	96.914	0	96.914
Report Month 2																		
CC2	RF	OP	632	2.122	2772	2772	0	2772	2	32				7	111.76	111.76	0	111.76
Report Month 3																		
CC2	RF	OP	743	2.471	2916	2916	0	2916	2	35				7	130.194	130.194	0	130.194
Report Month 4																		
CC2	RF	OP	695	2.44	2975	2975	0	2975	2	48				7	128.516	128.516	0	128.516
Report Month 5																		
CC2	RF	OP	679	2.876	3394	3394	0	3394	2	59				7	151.516	151.516	0	151.516
Report Month 6																		
CC2	RF	OP	497	2.313	2820	2820	0	2820	2	67				7	121.845	121.845	0	128.845

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Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)					Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
CC2	RF	OP	744	3.452	4050	4050	0	4050	2	73				7	180.808	180.808	0	180.808
Report Month 8																		
CC2	RF	OP	697	3.227	3808	3808	0	3808	2	73				7	170.006	170.006	0	170.006
Report Month 9																		
CC2	RF	OP	680	2.804	3418	3418	0	3418	2	63				7	147.688	147.688	0	147.688
Report Month 10																		
CC2	RF	OP	662	2.474	2919	2919	0	2919	2	52				7	130.332	130.332	0	130.332
Report Month 11																		
CC2	RF	OP	720	2.581	3148	3148	0	3148	2	39				7	135.987	135.987	0	135.987
Report Month 12																		
CC2	RF	OP	744	2.621	3093	3093	0	3093	2	32				7	138.065	138.065	0	138.065

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SCHEDULE 9. COMMENTS

(Instructions for SCHEDULE 9. are on page 20.)

Schedule	Part	Item	Comments
8	C		Chemical injected into scrubber.
8	D		USGS Data from the lake.

Generator Retirement Dates

Generator Id	Retirement Month	Retirement Year	Comments

Changes in Ownership (Provide name of purchaser and date sold.)

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ERRORS

Purchase Type	Fuel	Schedule	Prime Mover	Equipment ID	Rpt Month	Supplier	Error	Number & Description	Ranges	Override Comment
		8A					808	You have entered a cost in O&M Expenditures for FGD on Schedule 8B (Part 3), but have not entered a positive quantity of FGD Gypsum or By-products in any column on Schedule 8A. Please enter the quantity of FGD byproduct or FGD Gypsum associated with the costs in Schedule 8B.		FGD quanitity is included in the fly ash quantity.
		8C		1/SD			890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8C		2/SD			890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8C		OT			1815	A comment is required on Schedule 9 for the Other Equipment Type (OT) you selected on Schedule 8C. Please enter Schedule 8, Part C, and Item OT next to the explanation comment.		This has been done.
		8D					864	The code for "Other" was selected for the 'Measured or Estimated' Water Temperature. Specify the method in an override comment.		This has been done.

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NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Is this a regulated utility plant	☒ **Yes**	☐ **No**
Is this a combined heat and power pla	☐ **Yes**	☒ **No**
Enter the total plant efficiency of the combined heat and power p		**%**

Survey Contact

Contact	Erin Dukart			Submit Date	20-MAR-25
Title	Environmental Compliance Coordinator				
Address	1717 E. Interstate Avenue				
City/State/Zip	Bismarck		ND 58503		
Email	edukart@bepc.com		Phone	(701) 557-5557	Fax

Supervisor of Contact Person for Survey

Contact	Colleen Peterson				
Title					
Address					
City/State/Zip					
Email	cpeterson@bepc.com		Phone	(701) 516-2719	Fax

Report For

Company Name	Basin Electric Power Coop				
Plant Name	Leland Olds				
Plant ID	2817	Plant County	Mercer		
Plant Address	Hwy 200				
Plant City	Stanton			Plant State	ND

For contact detail go to http://www.eia.doe.gov/oss/forms.html#eia-923

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SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

(Instructions for SCHEDULE 6 are on page 13)

SCHEDULE 6 collects calendar year data (no monthly detail).
Report all generation in **megawatthours (MWh)** rounded to a whole number.

(1) Gross Generation (Annual)	(4) Station Use
(2) Other Incoming Electricity	(5) Direct Use
	(6) Total Facility Use (4 + 5)
	(7) Retail Sales to Ultimate Customers
	(8) Sales for Resale (MWh)
	(9) Provided Tolling Agreement (MWh)
	(10) Other Outgoing Electricity
(3) Total Sources (1 + 2)	(11) Total Disposition (6 + 7 + 8+ 9+ 10)

Total Sources must equal Total Disposition (3 = 11)

Plants that cannot separate Station Use and Direct Use may enter zero in Station Use and the sum of Station Use and Direct Use in the Direct Use field.

Types of Other Incoming Electricity
List all of the types of incoming electricity included in (2) Other Incoming Electricity

Types of Other Outgoing Electricity
List all of the types of outgoing electricity in item (10) Other Outgoing Electricity

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SCHEDULE 7. PART A. ANNUAL REVENUES FROM SALES FOR RESALE TOAL

Complete Schedule 7, Part A, only if a positive value was entered on Schedule 6, Item (8): "Sales for Resale."

Sales for Resale are energy supplied to electric utilities, cooperatives, municipalities, federal and state elecytic agencies, power marketers, or other entities, for resale to end-use consumers.

Report in thousand dollars. For example $1,987,234 should be entered as 1,987

Annual Revenues from Sales for Resale (in thousand dollars)

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SCHEDULE 7. PART B. ANNUAL RETAIL SALES, REVENUES AND NUMBER OF CUSTOMERS FROM RETAIL SALES

Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).
Complete an individual Schedule 7, Part B, for each state where customers are located, only if a positive value was entered on Schedule 6, Item (7), "Retail Sales to Ultimate Customers."

Annual Retail Sales, Revenue, and Number of Customers:

- Retail sales are sold directly to an end-use customer (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).
- Enter annual retail sales, revenue, and number of customers for each state where customer(s) are located.
  - Report Annual Retail Sales in megawatthours (Mwh), by sector.
  - Report Annual Revenue in thousand dollars, by sector.
  - Report Number of Customers, by sector.

State

Items	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (Mwh)					
Revenue ($ 000's)					
Number of Customers					

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SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION

SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

Complete an individual Schedule 8. Part A annually for each organic-fueled thermoelectric power plant (i.e., steam-electric plants, including nuclear and combined cycle plants with a total steam turbine capacity of greater than, or equal to 100 megawatts.
- Enter the quantity of combustion by-products for the year, by type of disposal.
- If actual data are not available, provide an estimate value.
- Report the quantity of combustion by-products rounded to the nearest 0.1 thousand tons.
- Report sales of steam in million BTU (MMBtu)
- If no by-product was produced, place a check in the checkbox labeled "Select if no combustion by-product were produced"

NOTE: PCD = Particulate Control Device; FGD = Flue Gas Desulfurization; FBC = Fluidized Bed combustion; IGCC = Integrated Gasification Combined Cycle

☐ No Byproducts

	Disposal			Beneficial Use		Storage		
Combustion Byproduct	On-site Landfill	Disposal On-site Ponds	Disposal Off-site	Sold	Used On-site	Used Off-site	Storage Stored On-site	Stored Off-site	Total
Fly ash from standard boiler/PCD units			108.8	3.7					112.5
Fly ash from units with dry FGD									
Fly ash from FBC units									0.0
Bottom ash from standard boiler units			22.1	44.5					66.6
Bottom (bed) ash from FBC units									
FGD Gypsum			59.7	11.6					71.3
Other FGD byproducts									
Ash from coal gasification (IGCC) units									
Other (specify via footnote on Schedule 9)									
Steam Sales (MMBtu)									

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SCHEDULE 8. PART B. FINANCIAL INFORMATION RELATED TO COMBUSTION BY-PRODUCTS

Complete an individual Schedule 8, Part B, annually, for each organically fueled thermolectric power plant with a total steam turbine capacity greater than, or equal to, 100 megawatts.
- Data reported in Schedule 8, Part B must correspond to the combustion by-product data reported on Schedule 8, Part A.
- If actual data are not available, provide an estimate value.
- Report all values in thousand dollars, to the nearest thousand.

Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars)

Type	(1) Fly Ash	(2) Bottom Ash	(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement	(6) Total (1 + 2 + 3 + 4 + 5)
Collection						
Disposal						
Other	483	2,530	4,951			7,964

Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars)

Type	(7) Air Pollution Abatement	(8) Water Pollution Abatement	(9) Solid/Contained Waste	(10) Other Pollution Abatement
Amount	30	0	240	0

Byproduct Sales Revenue During Year (Thousand Dollars)

Type	(11) Fly Ash	(12) Bottom Ash	(13) Fly and Bottom Ash Sold Intermingled	(14) Flue Gas Desulfurization	(15) Other Byproduct Revenue	(16) Total (11+12+13+14+15)
Amount	40	343		22		405

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Report electricity generation related operational emissions data for sulfur dioxide (SO2), nitrogen oxides (NO2), particulate matter, mercury, and acid gas.

Annual Operations

Environmental Equipment and/or Technology Type							NOx Emission Rate (lbs/MMBtu)		Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status	Hours in Service	Entire Year	May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)
ACI				1	OP	7944												.9	2.42	
LN			1		OP	7944	.1398	.142												
OV			1		OP	7944	.1398	.142												
ACI				2	OP	6452												.9	3.00	
OV			2		OP	6452	.2845	.2821												
EK	1			1B	OP	7944			.0134	80	99.8	12-1984						.9	2.42	
EK	2			2B	OP	6452			.0067	81	99.5	12-1976						.9	3.00	
SN			1		OP	7944	.1398	.142												
SN			2		OP	6452	.2845	.2821												
SP		1		1C	OP	7944							78	97.7	08-2013	25.9	39754	.9	2.42	

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Annual Operations

Environmental Equipment and/or Technology Type						NOx Emission Rate (lbs/MMBtu)	Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status Hours in Service	Entire Year May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)
SP		2		2C	OP 6452						80	98.7	01-2013	48.1	79467	.9	3.00	

FGD Operation and Maintenance Expenditures During Year, Excluding Electricity (Thousand Dollars)

Flue Gas Desulfurization Unit ID	Feed Materials and Chemicals	Land and Supervision	Waste Disposal	Maintenance, Material and All Other Costs	Total
1	$1,405	$442	$2,144	$1	$3,992
2	$2,610	$751	$5,820	$2	$9,183

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SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.

- **Complete a seperate schedule for each reporting month.**
- Complete a seperate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)				Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
1	ON	OP	744	0		71718	71718	0	4	39	43	61	72	1		3201.494	3201.494	0
Report Month 2																		
1	ON	OP	672	0		74664	74664	0	4	39	43	58	59	1		3010.452	3010.452	0
Report Month 3																		
1	ON	OP	744	0		71516	71516	0	4	39	45	54	72	1		3192.47	3192.47	0
Report Month 4																		
1	ON	OP	720	0		71962	71962	0	4	41	46	52	72	1		3108.745	3108.715	0
Report Month 5																		
1	ON	OP	744	0		72235	72235	0	4	47	53	68	80	1		3224.575	3224.575	0
Report Month 6																		
1	ON	OP	720	0		71530	71530	0	4	56	59	76	86	1		3090.109	3090.109	0

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					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
1	ON	OP	744	0		68690	68690	0	4	59	62	79	89	1		3066.322	3066.322	0
Report Month 8																		
1	ON	OP	744	0		69333	69333	0	4	59	63	79	92	1		3095.042	3095.042	0
Report Month 9																		
1	ON	OP	720	0		66543	66543	0	4	61	64	83	94	1		2874.638	2874.638	0
Report Month 10																		
1	ON	OP	744	0		62578	62578	0	4	61	65	75	95	1		2793.469	2793.469	0
Report Month 11																		
1	ON	OP	720	0		64478	64478	0	4	52	57	66	96	1		2915.038	2915.038	0
Report Month 12																		
1	ON	OP	744	0		72437	72437	0	4	39	45	61	76	1		3233.599	3233.599	0

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					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
2	ON	OP	744	0		146187	146187	0	4	39	43	56	74	1		6525.768	6525.768	0
Report Month 2																		
2	ON	OP	672	0		114934	114934	0	4	39	43	70	74	1		4634.125	4634.125	0
Report Month 3																		
2	ON	OP	744	0		116508	116508	0	4	39	45	47	76	1		5200.914	5200.914	0
Report Month 4																		
2	ON	OP	720	0		131275	131275	0	4	41	46	57	79	1		5671.064	5671.064	0
Report Month 5																		
2	ON	OP	744	0		129884	129884	0	4	47	53	66	82	1		5798.009	5798.009	0
Report Month 6																		
2	ON	OP	720	0		117023	117023	0	4	56	59	70	95	1		5055.398	5055.398	0

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					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
2	ON	OP	744	0		111544	111544	0	4	59	62	82	95	1		4979.32	4979.32	0
Report Month 8																		
2	ON	OP	744	0		122080	122080	0	4	59	63	82	97	1		5449.659	5449.659	0
Report Month 9																		
2	ON	OP	720	0		112726	112726	0	4	61	64	63	97	1		4869.776	4869.776	0
Report Month 10																		
2	ON	OP	744	0		96988	96988	0	4	61	65	64	102	1		4329.552	4329.552	0
Report Month 11																		
2	ON	OP	720	0		114691	114691	0	4	52	57	79	97	1		4954.637	4954.637	0
Report Month 12																		
2	ON	OP	744	0		131192	131192	0	4	39	45	66	84	1		5856.431	5856.431	0

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SCHEDULE 9. COMMENTS

(Instructions for SCHEDULE 9. are on page 20.)

Schedule	Part	Item	Comments

Generator Retirement Dates

Generator Id	Retirement Month	Retirement Year	Comments

Changes in Ownership (Provide name of purchaser and date sold.)

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ERRORS

Purchase Type	Fuel	Schedule	Prime Mover	Equipment ID / Rpt Month	Supplier	Error	Number & Description	Ranges	Override Comment
		8C		1C/SP		890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8C		2/SP		851	The Removal Efficiency tested at 100% load for sulfur dioxide is outside the expected range of 50%-99%. If correct, enter a comment to explain data out of typical range.		The enetered value is between 50% and 99%. Please check the software checks.
		8C		2C/SP		890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.

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NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Is this a regulated utility plant	[X] **Yes** [ ] **No**
Is this a combined heat and power pla	[ ] **Yes** [X] **No**
Enter the total plant efficiency of the combined heat and power p	[ ] **%**

Survey Contact

Contact	Erin Dukart			Submit Date	23-MAR-26
Title	Environmental Compliance Coordinator				
Address	1717 E. Interstate Avenue				
City/State/Zip	Bismarck		ND 58503		
Email	edukart@bepc.com		Phone	(701) 557-5557	Fax

Supervisor of Contact Person for Survey

Contact	Colleen Peterson				
Title					
Address					
City/State/Zip					
Email	cpeterson@bepc.com		Phone	(701) 516-2719	Fax

Report For

Company Name	Basin Electric Power Coop		
Plant Name	Leland Olds		
Plant ID	2817	Plant County	Mercer
Plant Address	Hwy 200		
Plant City	Stanton	Plant State	ND

For contact detail go to http://www.eia.doe.gov/oss/forms.html#eia-923

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SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY

(Instructions for SCHEDULE 6 are on page 13)

SCHEDULE 6 collects calendar year data (no monthly detail).
Report all generation in **megawatthours (MWh)** rounded to a whole number.

(1) Gross Generation (Annual)	(4) Station Use
(2) Other Incoming Electricity	(5) Direct Use
	(6) Total Facility Use (4 + 5)
	(7) Retail Sales to Ultimate Customers
	(8) Sales for Resale (MWh)
	(9) Provided Tolling Agreement (MWh)
	(10) Other Outgoing Electricity
(3) Total Sources (1 + 2)	(11) Total Disposition (6 + 7 + 8+ 9+ 10)

Total Sources must equal Total Disposition (3 = 11)

Plants that cannot separate Station Use and Direct Use may enter zero in Station Use and the sum of Station Use and Direct Use in the Direct Use field.

Types of Other Incoming Electricity
List all of the types of incoming electricity included in (2) Other Incoming Electricity

Types of Other Outgoing Electricity
List all of the types of outgoing electricity in item (10) Other Outgoing Electricity

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SCHEDULE 7. PART A. ANNUAL REVENUES FROM SALES FOR RESALE TOAL

Complete Schedule 7, Part A, only if a positive value was entered on Schedule 6, Item (8): "Sales for Resale."

Sales for Resale are energy supplied to electric utilities, cooperatives, municipalities, federal and state elecytic agencies, power marketers, or other entities, for resale to end-use consumers.

Report in thousand dollars. For example $1,987,234 should be entered as 1,987

Annual Revenues from Sales for Resale (in thousand dollars)

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SCHEDULE 7. PART B. ANNUAL RETAIL SALES, REVENUES AND NUMBER OF CUSTOMERS FROM RETAIL SALES

Report by state and end-use customer sectors (Residential, Commercial, industrial and Transportation).
Complete an individual Schedule 7, Part B, for each state where customers are located, only if a positive value was entered on Schedule 6, Item (7), "Retail Sales to Ultimate Customers."

Annual Retail Sales, Revenue, and Number of Customers:

- Retail sales are sold directly to an end-use customer (i.e., the energy is consumed by the customer, onsite, and is not resold to other customers).
- Enter annual retail sales, revenue, and number of customers for each state where customer(s) are located.
  - Report Annual Retail Sales in megawatthours (Mwh), by sector.
  - Report Annual Revenue in thousand dollars, by sector.
  - Report Number of Customers, by sector.

State

Items	Residential	Commercial	Industrial	Transportation	Total
Retail Sales (Mwh)					
Revenue ($ 000's)					
Number of Customers					

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SCHEDULE 8. ANNUAL ENVIRONMENTAL INFORMATION

SCHEDULE 8. PART A. ANNUAL BYPRODUCT DISPOSITION

Complete an individual Schedule 8. Part A annually for each organic-fueled thermoelectric power plant (i.e., steam-electric plants, including nuclear and combined cycle plants with a total steam turbine capacity of greater than, or equal to 100 megawatts.
- Enter the quantity of combustion by-products for the year, by type of disposal.
- If actual data are not available, provide an estimate value.
- Report the quantity of combustion by-products rounded to the nearest 0.1 thousand tons.
- Report sales of steam in million BTU (MMBtu)
- If no by-product was produced, place a check in the checkbox labeled "Select if no combustion by-product were produced"

NOTE: PCD = Particulate Control Device; FGD = Flue Gas Desulfurization; FBC = Fluidized Bed combustion; IGCC = Integrated Gasification Combined Cycle

☐ No Byproducts

	Disposal			Beneficial Use		Storage		
Combustion Byproduct	On-site Landfill	Disposal On-site Ponds	Disposal Off-site	Sold	Used On-site	Used Off-site	Storage Stored On-site	Stored Off-site	Total
Fly ash from standard boiler/PCD units			89.5	2.6					92.1
Fly ash from units with dry FGD									
Fly ash from FBC units									
Bottom ash from standard boiler units			35.9	14.3					50.2
Bottom (bed) ash from FBC units									
FGD Gypsum			61.0	5.2					66.2
Other FGD byproducts									
Ash from coal gasification (IGCC) units									
Other (specify via footnote on Schedule 9)									
Steam Sales (MMBtu)									

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SCHEDULE 8. PART B. FINANCIAL INFORMATION RELATED TO COMBUSTION BY-PRODUCTS

Complete an individual Schedule 8, Part B, annually, for each organically fueled thermolectric power plant with a total steam turbine capacity greater than, or equal to, 100 megawatts.
- Data reported in Schedule 8, Part B must correspond to the combustion by-product data reported on Schedule 8, Part A.
- If actual data are not available, provide an estimate value.
- Report all values in thousand dollars, to the nearest thousand.

Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars)

Type	(1) Fly Ash	(2) Bottom Ash	(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement	(6) Total (1 + 2 + 3 + 4 + 5)
Collection						
Disposal						
Other	713	1,882	5,250			7,845

Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars)

Type	(7) Air Pollution Abatement	(8) Water Pollution Abatement	(9) Solid/Contained Waste	(10) Other Pollution Abatement
Amount	688		111	

Byproduct Sales Revenue During Year (Thousand Dollars)

Type	(11) Fly Ash	(12) Bottom Ash	(13) Fly and Bottom Ash Sold Intermingled	(14) Flue Gas Desulfurization	(15) Other Byproduct Revenue	(16) Total (11+12+13+14+15)
Amount	53	152		21		226

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SCHEDULE 8. PART C. AIR EMISSIONS COMTROL INFORMATION

Report electricity generation related operational emissions data for sulfur dioxide (SO2), nitrogen oxides (NO2), particulate matter, mercury, and acid gas.

Annual Operations

Environmental Equipment and/or Technology Type							NOx Emission Rate (lbs/MMBtu)		Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status	Hours in Service	Entire Year	May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)
ACI				1	OP	7523												.9	2.06	
LN			1		OP	7523	.147	.15												
OV			1		OP	7523	.147	.15												
ACI				2	OP	4096												.9	1.20	
OV			2		OP	4096	.246	.1541												
EK	1			1B	OP	7523			.0134	99	99	12-1974						.9	2.06	
EK	2			2B	OP	4096			.0067	99	99	12-1976						.9	1.20	
SN			1		OP	7523	.147	.15												
SN			2		OP	4096	.246	.1541												
SP		1		1C	OP	7523							97.7	97.7	08-2013	28.1	37897	.9	2.06	

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Environmental Equipment and/or Technology Type						NOx Emission Rate (lbs/MMBtu)	Particulate Matter Control				Sulfur Dioxide Control					Mercury Control		Acid Gas Control
Types	PM Control ID	SO2 CONTOL ID	NOX Control ID	Mercury Control	Status Hours in Service	Entire Year May through September	Emission Rate (0.01 lb/MMBtu)	Removal Efficiency Rate at AOF	Tested Efficiency Particulate Removal (at 100% Load)	Test Date MM-YYYY	Removal Efficiency Rate at AOF	Removal Tested Efficiency (at 100% Load)	Test Date MM-YYY	Quantity of FGD Sorbent Used (nearest 0.1 thousand tons)	FGD Unit Electrical Energy Consumption	Removal Efficiency (nearest 0.1% by weight)	Emission Rate (0.01 lbs / Tbtu)	Removal Efficiency (nearest 0.1% by weight)
SP		2		2C	OP 4096						98.7	98.7	01-2013	29	52621	.9	1.20	

FGD Operation and Maintenance Expenditures During Year, Excluding Electricity (Thousand Dollars)

Flue Gas Desulfurization Unit ID	Feed Materials and Chemicals	Land and Supervision	Waste Disposal	Maintenance, Material and All Other Costs	Total
1	$1,326	$545	$1,615	$2	$3,488
2	$2,461	$816	$6,230	$3	$9,510

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Report Month 1																		
1	ON	OP	744	0		72260	0	0	4	36	41	60	77	1		3225.692	3225.692	0
Report Month 2																		
1	ON	OP	672	0		71397	71397	0	4	37	41	60	70	1		2878.742	2878.742	0
Report Month 3																		
1	ON	OP	744	0		71170	71170	0	4	39	53	50	65	1		3177.012	3177.012	0
Report Month 4																		
1	ON	OP	720	0		70872	70872	0	4	48	68	58	72	1		3061.662	3061.662	0
Report Month 5																		
1	ON	OP	744	0		69490	69490	0	4	57	87	65	82	1		3102.054	3102.054	0
Report Month 6																		
1	ON	OP	720	0		73532	73532	0	4	58	64	79	85	1		3176.594	3176.594	0

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					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
1	ON	OP	744	0		68690	68690	0	4	59	62	79	89	1		3066.322	3066.322	0
Report Month 8																		
1	ON	OP	744	0		72053	72053	0	4	61	67	79	88	1		3216.464	3216.464	0
Report Month 9																		
1	ON	OP	720	0		69754	69754		4	62	65	70	98	1		3013.386	3013.386	0
Report Month 10																		
1	ON	OP	744	0		63646	63646	0	4	60	64	72	89	1		2841.175	2841.175	0
Report Month 11																		
1	ON	OP	720	0		66397	66397	0	4	51	56	67	81	1		2868.359	2868.359	0
Report Month 12																		
1	ON	OP	744	0		66922	66922	0	4	40	49	61	78	1		2987.418	2987.418	0

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Approval Expires 07/31/2026

SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.
- **Complete a seperate schedule for each reporting month.**
- Complete a seperate row for each cooling system.
- If actual data are not available, provided an estimated value.
- If the source of cooling water is a well or municipal water system, do not complete the Cooling Water Temperature sections.

Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)				Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 1																		
2	ON	OP	744	0		140798	140798	0	4	36	41	57	76	1		6285.208	6285.208	0
Report Month 2																		
2	ON	OP	672	0		137048	137048	0	4	37	41	62	74	1		5525.784	5525.784	0
Report Month 3																		
2	ON	OP	744	0		123785	123785	0	4	39	53	46	92	1		5525.784	5525.784	0
Report Month 4																		
2	ON	OP	720	0		0	0	0	4	48	68	42	44	1		0	0	0
Report Month 5																		
2	ON	OP	744	0		11663	11663	0	4	57	87	47	52	1		520.653	520.653	0
Report Month 6																		
2	ON	OP	720	0		76258	76258	0	4	58	64	54	59	1		3294.366	3294.366	0

U.S. Department of Energy
Energy Information Administration
Form EIA-923

Supplemental EIA923 Power Plant Operations Report
Year: **2025** Plant: **2817** **Leland Olds**

Form Approval
OMB No. 1905-0129
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SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS

Complete an individual Schedule 8, Part D for each thermoelectric power plant (organically fueled, nuclear and combined cycle) with a total steam capacity greater than, or equal to, 100 megawatts.
- **Complete a seperate schedule for each reporting month.**
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Cooling System ID	Cooling System Type	Cooling System Status	Hours in Service Per month	Annual Amt of Chlorine added to Cooling Water (1000 lbs)	Average Monthly Rate of Cooling Water (to nearest 0.1 gallons per minute)				Cooling Water Temperature (degrees Fahrenheit)					Volume Cooling Water (to nearest 0.001 million gallons per month)			
					Div	Withdrawal	Discharge	Consumption	Method of Measure	Avg at Intake	Max at Intake	Avg at Discharg	Max at Discharg	Method of Measure	Div	Withdrawal	Discharge	Consumption
Report Month 7																		
2	ON	OP	744	0		111544	111544	0	4	59	62	82	95	1		4979.32	4979.32	0
Report Month 8																		
2	ON	OP	744	0		129723	129723	0	4	61	67	58	83	1		5790.852	5790.852	0
Report Month 9																		
2	ON	OP	720	0		134470	134470	0	4	62	65	77	95	1		5809.115	5809.115	0
Report Month 10																		
2	ON	OP	744	0		128730	128730	0	4	60	64	80	95	1		5746.496	5746.496	0
Report Month 11																		
2	ON	OP	720	0		125185	125185	0	4	51	56	70	89	1		5407.993	5407.993	0
Report Month 12																		
2	ON	OP	744	0		123081	123081	0	4	40	49	60	81	1		5494.356	5494.356	0

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SCHEDULE 9. COMMENTS

(Instructions for SCHEDULE 9. are on page 20.)

Schedule	Part	Item	Comments

Generator Retirement Dates

Generator Id	Retirement Month	Retirement Year	Comments

Changes in Ownership (Provide name of purchaser and date sold.)

U.S. Department of Energy
Energy Information Administration
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Supplemental EIA923 Power Plant Operations Report

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ERRORS

Purchase Type	Fuel	Schedule	Prime Mover	Equipment ID	Rpt Month	Supplier	Error	Number & Description	Ranges	Override Comment
		8C		1C/SP			890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8C		2/SP			851	The Removal Efficiency tested at 100% load for sulfur dioxide is outside the expected range of 50%-99%. If correct, enter a comment to explain data out of typical range.		The entered value is between 50% and 99%. Please check the software checks.
		8C		2C/SP			890	Acid Gas Removal Efficiency cannot be null if hours in service are provided. Please review reported data.		While emission control equipment does provide some acid gas removal, the amount is unknown.
		8D		2	4		1803	Average temperature at intake point should not be greater than the average temperature at discharge point. Please review reported data.		Temperatures reported match recorded data.
		8D		2	5		1803	Average temperature at intake point should not be greater than the average temperature at discharge point. Please review reported data.		Temperatures reported match recorded data.
		8D		2	6		1803	Average temperature at intake point should not be greater than the average temperature at discharge point. Please review reported data.		Temperatures reported match recorded data.
		8D		2	8		1803	Average temperature at intake point should not be greater than the average temperature at discharge point. Please review reported data.		Temperatures reported match recorded data.

EXHIBIT 2 - SUMMER/WINTER LOADS BY STATE

Basin Electric Member Loads by State

Note: Historical 2000-2025 and Forecasted 2026-2036

SUMMER Peak Demand (MW)

	ND	%	SD	%	MN	%	IA	%	NE	%	MT	%	CO	%	WY	%	BEPC TOTAL
2000	293	23.0%	302	23.7%	54	4.2%	99	7.7%	215	16.9%	29	2.3%	82	6.5%	200	15.7%	1,273
2001	307	22.2%	343	24.8%	58	4.2%	116	8.4%	227	16.5%	30	2.2%	82	5.9%	218	15.8%	1,380
2002	315	21.3%	352	23.8%	58	3.9%	127	8.6%	254	17.1%	44	3.0%	95	6.4%	236	15.9%	1,480
2003	353	22.9%	346	22.4%	58	3.8%	121	7.9%	239	15.5%	56	3.6%	114	7.4%	254	16.5%	1,541
2004	329	21.1%	354	22.8%	55	3.6%	119	7.6%	233	15.0%	62	4.0%	130	8.4%	271	17.5%	1,554
2005	357	20.7%	400	23.2%	62	3.6%	131	7.6%	270	15.7%	74	4.3%	132	7.7%	296	17.2%	1,722
2006	400	20.5%	440	22.6%	71	3.7%	188	9.7%	273	14.0%	82	4.2%	134	6.9%	358	18.4%	1,947
2007	452	21.9%	461	22.3%	92	4.4%	186	9.0%	262	12.7%	86	4.2%	135	6.6%	389	18.9%	2,063
2008	465	22.5%	421	20.4%	88	4.2%	177	8.6%	270	13.1%	74	3.6%	142	6.9%	426	20.7%	2,062
2009	448	22.1%	438	21.5%	102	5.0%	201	9.9%	232	11.4%	65	3.2%	145	7.2%	400	19.7%	2,090
2010	509	20.5%	472	19.0%	181	7.3%	459	18.5%	238	9.6%	70	2.8%	145	5.9%	407	16.4%	2,482
2011	543	20.8%	548	21.0%	169	6.5%	460	17.7%	280	10.7%	69	2.7%	140	5.4%	396	15.2%	2,607
2012	693	23.2%	596	19.9%	207	6.9%	476	15.9%	333	11.1%	104	3.5%	208	6.9%	377	12.6%	2,994
2013	812	26.5%	572	18.7%	224	7.3%	460	15.0%	299	9.7%	147	4.8%	180	5.9%	370	12.1%	3,063
2014	889	29.3%	508	16.7%	160	5.3%	433	14.3%	311	10.3%	178	5.9%	179	5.9%	372	12.3%	3,029
2015	1,187	34.7%	587	17.2%	212	6.2%	425	12.4%	274	8.0%	186	5.4%	195	5.7%	356	10.4%	3,421
2016	1,141	34.1%	568	17.0%	212	6.4%	470	14.1%	266	7.9%	176	5.3%	200	6.0%	308	9.2%	3,342
2017	1,244	34.8%	585	16.3%	234	6.5%	471	13.2%	293	8.2%	244	6.8%	199	5.6%	309	8.6%	3,578
2018	1,289	35.0%	580	15.7%	240	6.5%	480	13.0%	260	7.1%	245	6.6%	304	8.3%	289	7.8%	3,687
2019	1,425	37.7%	579	15.3%	239	6.3%	480	12.7%	259	6.8%	250	6.6%	278	7.4%	272	7.2%	3,783
2020	1,478	38.4%	596	15.5%	269	7.0%	477	12.4%	272	7.0%	246	6.4%	191	4.9%	323	8.4%	3,851
2021	1,539	36.9%	673	16.1%	299	7.2%	497	11.9%	317	7.6%	262	6.3%	202	4.9%	380	9.1%	4,169
2022	1,677	38.3%	668	15.3%	378	8.6%	495	11.3%	324	7.4%	248	5.7%	188	4.3%	398	9.1%	4,375
2023	1,948	41.4%	672	14.3%	434	9.2%	525	11.2%	312	6.6%	248	5.3%	172	3.7%	391	8.3%	4,702
2024	2,064	43.1%	693	14.5%	364	7.6%	518	10.8%	308	6.4%	278	5.8%	185	3.9%	379	7.9%	4,788
2025	2,002	41.8%	677	14.1%	433	9.0%	506	10.5%	263	5.5%	292	6.1%	240	5.0%	383	8.0%	4,794
2026	2,114	42.2%	772	15.4%	409	8.2%	558	11.2%	328	6.5%	286	5.7%	174	3.5%	365	7.3%	5,006
2027	2,195	42.7%	792	15.4%	414	8.1%	560	10.9%	329	6.4%	299	5.8%	174	3.4%	374	7.3%	5,136
2028	2,286	43.5%	808	15.4%	427	8.1%	568	10.8%	329	6.3%	296	5.6%	174	3.3%	371	7.0%	5,260
2029	2,394	44.4%	821	15.2%	433	8.0%	570	10.6%	330	6.1%	298	5.6%	175	3.2%	371	6.9%	5,391
2030	2,468	45.0%	833	15.2%	437	8.0%	572	10.4%	331	6.0%	301	5.5%	175	3.2%	367	6.7%	5,483
2031	2,560	45.7%	845	15.1%	441	7.9%	574	10.2%	332	5.9%	309	5.5%	175	3.1%	367	6.6%	5,603
2032	2,638	46.3%	857	15.1%	446	7.8%	576	10.1%	332	5.8%	307	5.4%	175	3.1%	365	6.4%	5,696
2033	2,719	46.8%	870	15.0%	451	7.8%	578	10.0%	333	5.7%	311	5.4%	175	3.0%	365	6.3%	5,802
2034	2,782	47.2%	885	15.0%	456	7.7%	580	9.9%	334	5.7%	313	5.3%	175	3.0%	366	6.2%	5,889
2035	2,840	47.6%	898	15.0%	462	7.7%	582	9.8%	334	5.6%	315	5.3%	175	2.9%	366	6.1%	5,972
2036	2,965	49.0%	897	14.8%	461	7.6%	579	9.5%	307	5.1%	307	5.1%	169	2.8%	371	6.1%	6,056

Basin Electric Member Loads by State

Note: Historical 2000-2025 and Forecasted 2026-2036

WINTER Peak Demand (MW)

	ND	%	SD	%	MN	%	IA	%	NE	%	MT	%	CO	%	WY	%	BEPC TOTAL
00/01	342	27.4%	328	26.2%	57	4.6%	125	10.0%	43	3.4%	34	2.7%	83	6.6%	239	19.1%	1,250
01/02	313	26.2%	300	25.2%	47	3.9%	108	9.1%	37	3.1%	35	2.9%	82	6.9%	270	22.7%	1,193
02/03	377	27.7%	342	25.1%	54	4.0%	128	9.4%	36	2.6%	55	4.0%	103	7.6%	268	19.6%	1,362
03/04	417	27.5%	394	25.9%	60	3.9%	134	8.8%	36	2.4%	62	4.1%	123	8.1%	293	19.3%	1,518
04/05	438	27.4%	417	26.0%	63	3.9%	139	8.7%	44	2.7%	64	4.0%	121	7.6%	314	19.7%	1,599
05/06	463	26.8%	415	24.1%	66	3.8%	187	10.8%	48	2.8%	72	4.2%	121	7.0%	353	20.5%	1,725
06/07	495	25.4%	484	24.9%	111	5.7%	212	10.9%	50	2.6%	71	3.6%	122	6.2%	403	20.7%	1,946
07/08	563	26.3%	524	24.5%	113	5.3%	232	10.8%	50	2.3%	81	3.8%	124	5.8%	454	21.2%	2,140
08/09	623	25.8%	634	26.2%	133	5.5%	276	11.4%	57	2.3%	78	3.2%	138	5.7%	481	19.9%	2,420
09/10	627	23.5%	619	23.2%	169	6.3%	518	19.4%	59	2.2%	74	2.8%	137	5.1%	468	17.5%	2,671
10/11	679	25.2%	622	23.0%	198	7.3%	468	17.4%	55	2.0%	56	2.0%	145	5.4%	477	17.7%	2,698
11/12	835	29.5%	600	21.2%	181	6.4%	443	15.7%	49	1.7%	92	3.2%	180	6.4%	450	15.9%	2,828
12/13	973	32.3%	627	20.8%	194	6.4%	457	15.2%	52	1.7%	101	3.3%	183	6.1%	428	14.2%	3,014
13/14	1,134	31.9%	778	21.9%	253	7.1%	523	14.7%	54	1.5%	183	5.1%	200	5.6%	434	12.2%	3,559
14/15	1,359	37.2%	700	19.2%	233	6.4%	496	13.6%	57	1.6%	191	5.2%	184	5.0%	432	11.8%	3,651
15/16	1,394	39.9%	634	18.2%	229	6.5%	466	13.4%	54	1.5%	161	4.6%	184	5.3%	369	10.6%	3,491
16/17	1,441	38.7%	695	18.7%	249	6.7%	477	12.8%	53	1.4%	242	6.5%	184	5.0%	380	10.2%	3,720
17/18	1,546	39.8%	718	18.5%	281	7.2%	493	12.7%	57	1.5%	245	6.3%	191	4.9%	354	9.1%	3,929
18/19	1,717	42.3%	741	18.3%	289	7.1%	517	12.7%	48	1.2%	236	5.8%	194	4.8%	318	7.8%	4,060
19/20	1,823	44.9%	688	17.0%	235	5.8%	499	12.3%	58	1.4%	256	6.3%	129	3.2%	369	9.1%	4,056
20/21	1,830	43.1%	769	18.1%	284	6.7%	513	12.1%	64	1.5%	256	6.1%	130	3.1%	396	9.3%	4,242
21/22	1,907	43.6%	777	17.8%	331	7.6%	503	11.5%	65	1.5%	245	5.6%	129	2.9%	415	9.5%	4,371
22/23	2,025	43.3%	835	17.9%	393	8.4%	535	11.4%	72	1.6%	267	5.7%	133	2.8%	419	8.9%	4,679
23/24	2,387	46.5%	904	17.6%	396	7.7%	525	10.2%	71	1.4%	302	5.9%	129	2.5%	421	8.2%	5,134
24/25	2,414	46.9%	832	16.2%	455	8.8%	538	10.4%	73	1.4%	294	5.7%	143	2.8%	400	7.8%	5,150
25/26	2,486	47.6%	876	16.8%	400	7.7%	571	10.9%	55	1.1%	299	5.7%	129	2.5%	401	7.7%	5,218
26/27	2,593	48.3%	901	16.8%	404	7.5%	575	10.7%	55	1.0%	314	5.9%	129	2.4%	398	7.4%	5,369
27/28	2,703	49.1%	917	16.6%	417	7.6%	583	10.6%	55	1.0%	308	5.6%	129	2.3%	395	7.2%	5,507
28/29	2,831	50.0%	931	16.4%	421	7.4%	586	10.4%	55	1.0%	311	5.5%	129	2.3%	395	7.0%	5,658
29/30	2,925	50.7%	943	16.4%	423	7.3%	588	10.2%	55	1.0%	313	5.4%	129	2.2%	391	6.8%	5,767
30/31	3,038	51.4%	955	16.2%	427	7.2%	590	10.0%	55	0.9%	322	5.5%	129	2.2%	391	6.6%	5,907
31/32	3,136	52.1%	968	16.1%	431	7.2%	592	9.8%	55	0.9%	319	5.3%	129	2.2%	388	6.4%	6,017
32/33	3,236	52.7%	981	15.9%	435	7.1%	594	9.7%	55	0.9%	324	5.3%	129	2.1%	389	6.3%	6,143
33/34	3,316	53.1%	995	15.9%	439	7.0%	597	9.6%	55	0.9%	326	5.2%	129	2.1%	389	6.2%	6,246
34/35	3,391	53.4%	1,009	15.9%	443	7.0%	599	9.4%	55	0.9%	328	5.2%	130	2.0%	390	6.2%	6,344
35/36	3,462	53.8%	1,023	15.9%	447	6.9%	601	9.3%	56	0.9%	330	5.1%	130	2.0%	392	6.1%	6,440

EXHIBIT 3 - EASTERN SYSTEM SUMMER/WINTER LOADS & RESOURCES

	SPP SUMMER SEASON				
	Members' Load Projections*	Contracted Sales to Others	Firm Purchases	Losses & Reserves	Total Responsibility
2026	3,636	149	-248	661	4,198
2027	3,722	149	-187	682	4,365
2028	3,821	149	-187	700	4,483
2029	3,939	149	-187	765	4,666
2030	4,025	149	-187	782	4,769
2031	4,132	149	-187	803	4,897
2032	4,217	149	-37	832	5,161
2033	4,311	149	-37	851	5,273
2034	4,387	149	-37	866	5,365
2035	4,458	149	-37	880	5,450
2036	4,527	149	-37	894	5,533

	SPP WINTER SEASON				
	Members' Load Projections*	Contracted Sales to Others	Firm Purchases	Losses & Reserves	Total Responsibility
2026/27	3,802	149	-514	1,350	4,788
2027/28	4,116	149	-453	1,393	5,205
2028/29	4,256	149	-453	1,452	5,404
2029/30	4,360	149	-453	1,526	5,581
2030/31	4,489	149	-453	1,572	5,757
2031/32	4,592	149	-453	1,599	5,887
2032/33	4,706	149	-303	1,674	6,226
2033/34	4,799	149	-303	1,707	6,353
2034/35	4,887	149	-303	1,739	6,472
2035/36	4,971	149	-303	1,759	6,575

	MISO Z1 SUMMER SEASON				
	Members' Load Projections*	Contracted Sales to Others	Firm Purchases	Losses & Reserves	Total Responsibility
2026	322	0	0	41	364
2027	326	0	0	41	367
2028	342	0	0	43	385
2029	346	0	0	44	390
2030	350	0	0	45	394
2031	354	0	0	45	399
2032	358	0	0	46	405
2033	363	0	0	46	409
2034	366	0	0	47	413
2035	372	0	0	47	419
2036	376	0	0	48	424

	MISO Z1 WINTER SEASON				
	Members' Load Projections*	Contracted Sales to Others	Firm Purchases	Losses & Reserves	Total Responsibility
2026/27	329	0	0	101	431
2027/28	345	0	0	106	451
2028/29	349	0	0	106	455
2029/30	352	0	0	106	458
2030/31	355	0	0	106	461
2031/32	359	0	0	106	465
2032/33	362	0	0	107	469
2033/34	365	0	0	110	475
2034/35	369	0	0	111	480
2035/36	373	0	0	112	484

*** Load Projections include diversity adjustments to account for load levels at time of each assessment area's coincident peak**

2026 Resources

Summer Season

	SPP																	MISO Z1		
	LOS	LRS East	AVS[2]	Neal4	Wisdom 1&2[3]	SMS	GGS	CGS	DCS	PGS	LCS	BGS	Small Distributed Generation[1]	Wind	Waste Heat	Solar	SPP Purchases	Oliver III Wind	Cottage Grove	MISO Z1 Purchases
2026	605.7	84.8	809.1	96.4	68.8	84.1	153.1	0.0	287.0	712.3	220.2	-	177.7	529.0	27.1	104.4	226.1	17.1	-	445.0
2027	607.9	85.0	812.2	-	69.2	84.6	153.1	75.7	287.3	710.8	220.2	-	182.3	526.1	27.4	101.4	447.7	17.1	-	345.0
2028	610.5	85.4	815.4	-	69.6	85.1	153.1	75.7	287.6	709.2	220.2	-	178.5	526.1	27.7	98.5	500.2	13.3	226.1	115.0
2029	612.5	85.7	818.5	-	70.0	85.4	153.1	75.7	287.9	707.7	220.2	667.1	177.8	509.8	28.0	95.7	482.9	15.0	223.4	115.0
2030	615.1	86.1	821.7	-	70.3	85.9	153.1	75.7	288.2	706.1	220.2	1334.2	151.1	509.8	28.4	92.9	487.6	16.8	220.8	115.0
2031	612.5	87.1	817.6	-	69.7	86.7	155.1	79.1	286.7	704.4	221.4	1334.9	128.5	444.7	28.3	90.2	425.5	16.4	221.8	75.0
2032	610.9	86.2	825.7	-	69.2	87.4	154.4	78.5	285.3	702.0	220.6	1336.3	127.1	444.7	9.5	87.6	400.4	16.0	222.9	75.0
2033	611.8	85.3	834.3	-	69.2	88.6	158.6	78.9	283.5	700.3	223.2	1337.7	130.5	444.7	9.5	85.1	374.2	15.6	224.0	-
2034	611.8	85.3	834.3	-	69.2	88.6	158.6	78.9	283.5	700.3	223.2	1339.8	130.6	444.7	9.5	82.6	371.9	15.2	225.0	-
2035	611.8	85.3	834.3	-	69.2	88.6	158.6	78.9	283.5	700.3	223.2	1341.9	105.9	444.7	-	80.3	343.6	14.9	226.1	-
2036	611.8	85.3	834.3	-	69.2	-	158.6	78.9	283.5	700.3	223.2	1343.3	19.9	444.7	-	77.9	150.0	14.6	226.6	-

Winter Season

	SPP																	MISO Z1		
	LOS	LRS East	AVS[2]	Neal4	Wisdom 1&2[3]	SMS	GGS	CGS	DCS	PGS	LCS	BGS	Small Distributed Generation[1]	Wind	Waste Heat	Solar	SPP Purchases	Oliver III Wind	Cottage Grove	MISO Z1 Purchases
2026/27	578.2	72.5	767.2	91.0	61.8	95.1	104.9	0.0	275.6	698.8	158.4	-	170.9	996.7	25.6	12.8	479.3	41.1	-	445.0
2027/28	584.1	73.4	775.3	-	62.3	93.3	105.7	68.7	276.5	691.7	158.7	-	182.7	976.5	25.8	12.8	684.1	41.1	232.1	345.0
2028/29	590.5	74.2	783.9	-	62.7	91.6	106.6	69.1	277.4	685.2	159.1	-	179.7	928.8	26.0	12.8	602.5	21.8	192.6	115.0
2029/30	596.6	75.0	792.0	-	63.2	89.8	107.5	69.5	278.3	678.3	159.5	666.8	178.8	917.1	26.3	12.8	500.3	21.8	200.0	115.0
2030/31	602.6	75.9	800.5	-	63.7	88.1	108.4	70.0	279.2	671.3	160.8	1336.5	146.8	885.4	26.5	12.8	495.0	21.8	207.5	115.0
2031/32	596.9	83.9	801.0	-	66.3	83.6	105.3	71.3	275.6	666.1	172.3	1340.3	133.0	786.9	8.7	12.8	391.7	21.4	207.5	75.0
2032/33	588.9	83.1	804.1	-	64.9	85.0	120.3	70.8	273.2	665.5	178.8	1344.7	131.2	777.0	8.5	12.8	326.3	21.0	207.5	75.0
2033/34	586.7	81.8	800.1	-	62.4	85.4	133.9	67.6	269.7	658.6	190.1	1349.2	129.5	767.3	8.2	12.8	315.1	20.6	207.5	-
2034/35	586.7	81.8	800.1	-	62.4	85.4	133.9	67.6	269.7	658.6	190.1	1349.9	129.4	757.6	-	12.8	312.2	20.2	207.5	-
2035/36	586.7	81.8	800.1	-	62.4	-	133.9	67.6	269.7	658.6	190.1	1350.7	106.9	748.2	-	12.8	181.1	19.8	207.5	-

Footnotes:

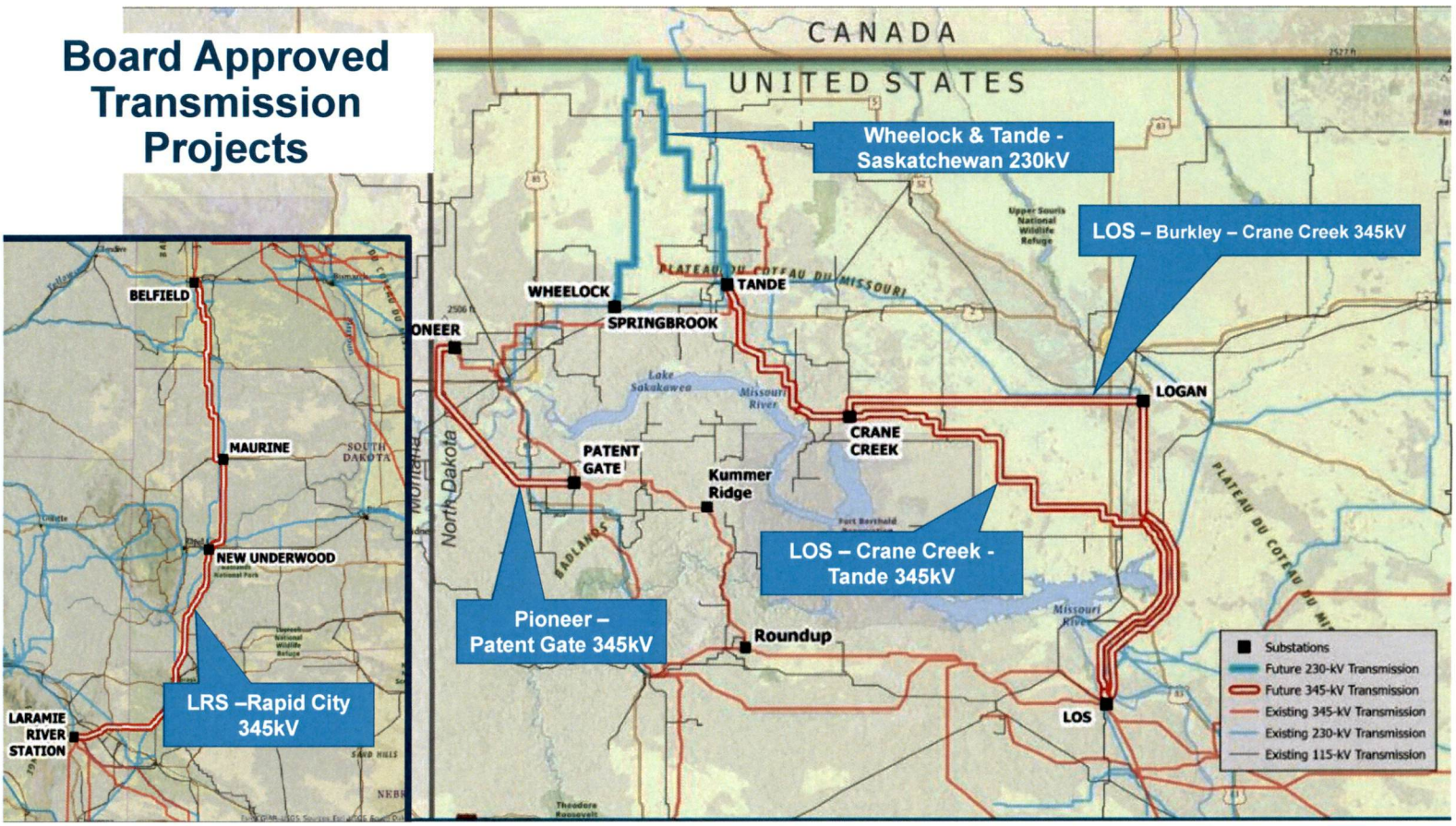
1) Small Distributed Generation category includes municipalities, BTMG generators, CBPC, NIMECA, and other purchases through special member purchase rates.

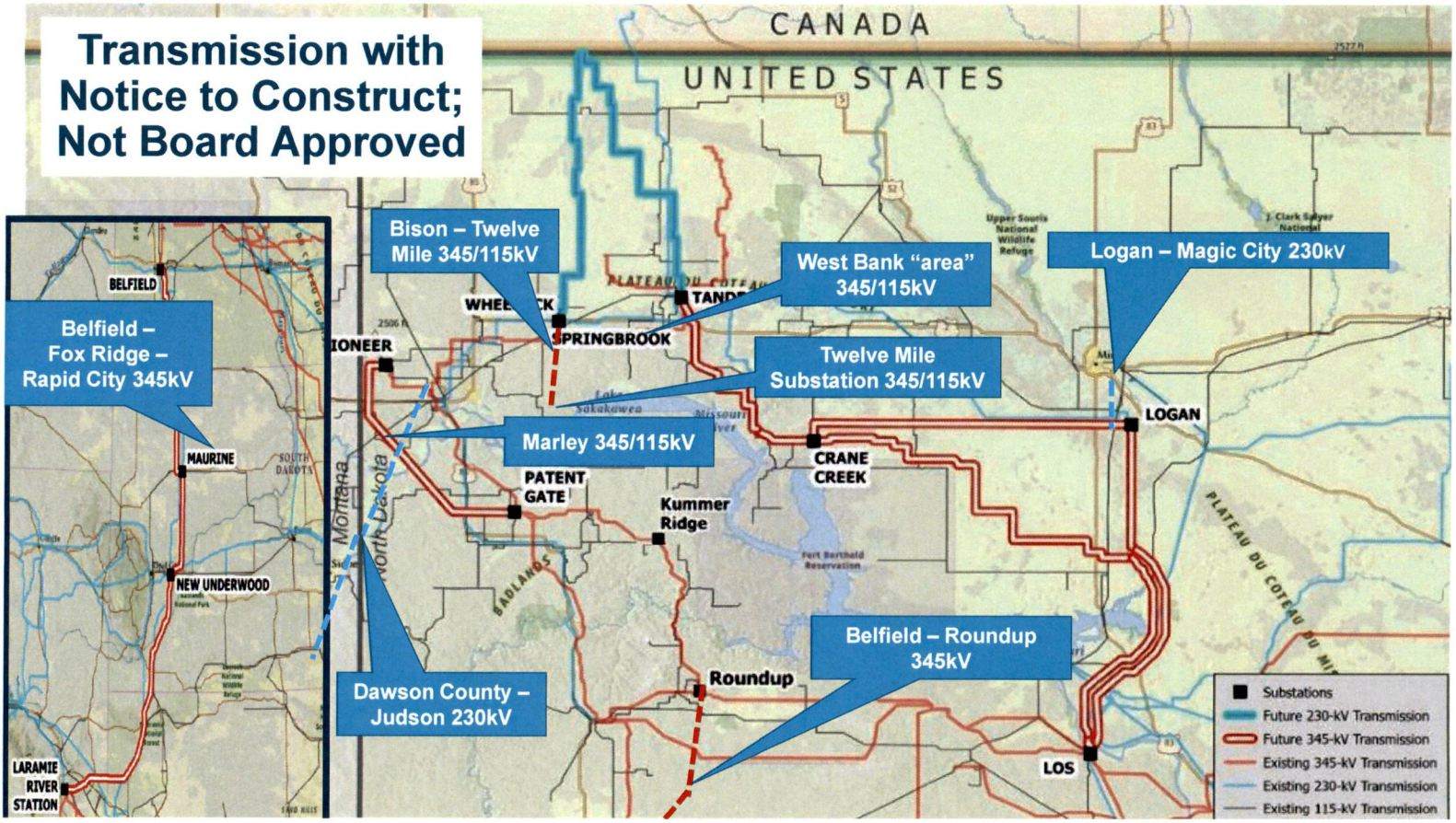
2) BEPC owns 24.166% of AVS unit 2 and leases the remaining portion from other owners. The original terms of the lease have been extended by 10 years through 2030.

3) For conservative planning purposes, the financial depreciable life of our generating units is used as their assumed remaining useful life, even though no formal retirement decisions have been made. Actual retirement decisions have to be made by BEPC's Board of Directors.

EXHIBIT 4 - TRANSMISSION PLANNING CORRIDORS

Board Approved Transmission Projects




Transmission with Notice to Construct; Not Board Approved
CANADA
UNITED STATES
Bison – Twelve Mile 345/115kV
West Bank "area" 345/115kV
Logan – Magic City 230kV
Belfield – Fox Ridge – Rapid City 345kV
Twelve Mile Substation 345/115kV
Marley 345/115kV
Dawson County – Judson 230kV
Belfield – Roundup 345kV
BELFIELD
MAURINE
NEW UNDERWOOD
LARAMIE RIVER STATION
SPRINGBROOK
PIONEER
PATENT GATE
Kummer Ridge
CRANE CREEK
LOGAN
Roundup
LOS
Montana
North Dakota
BADLANDS
PLATEAU DU COTEAU DU MISSOURI
Substations
Future 230-kV Transmission
Future 345-kV Transmission
Existing 345-kV Transmission
Existing 230-kV Transmission
Existing 115-kV Transmission