



Central Power Electric Cooperative, Inc.

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June 8, 2026

Mr. Brian Johnson
Executive Secretary
North Dakota Public Service Commission
600 East Boulevard Avenue
Department 408
Bismarck, ND 58505-0480

Dear Mr. Johnson:

In accordance with North Dakota Century Code 49-22-04, Central Power Electric Cooperative, Inc. hereby submits ten copies of Central Power's Ten-Year Plan.

Please contact me at 701-721-1421 or marks@centralpwr.com with any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Sherman', written over a horizontal line.

Mark Sherman, P.E.
Manager of Operations & Engineering

Enclosures

CENTRAL POWER ELECTRIC COOPERATIVE, INC.

TEN YEAR PLAN

2026

**SUBMITTED TO THE
NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

**Central Power Electric Cooperative, Inc.
525 20th Avenue Southwest
Minot, ND 58701
(701) 852-4407**

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INTRODUCTION

Central Power Electric Cooperative, Inc. respectfully submits this ten-year plan to the North Dakota Public Service Commission in accordance with Section 49-22-04 of the North Dakota Century Code.

Central Power is a wholesale transmission cooperative that serves all the power supply needs of six North Dakota rural electric distribution cooperatives. Central Power has a contract with the Western Area Power Administration (WAPA) for approximately one-tenth of Central's power supply and an all-requirements contract with Basin Electric Power Cooperative, Inc. for all power supply requirements over and above the power supplied by WAPA.

Should the Commission require any additional information regarding this ten-year plan, Central Power is ready to furnish whatever information is required.

SECTION A – Existing Energy Conversion Facilities

Central Power does not own or operate any energy conversion facility.

SECTION B – Energy Conversion Facilities Under Construction

Central Power does not have any energy conversion facilities under construction.

SECTION C – Proposed Energy Conversion Facilities on Which Construction is Intended Within the Ensuing Five Years

Central Power does not plan to construct an energy conversion facility.

SECTION D – Proposed Energy Conversion Facilities During the Next Ten-Year Time Period

Central Power does not plan to construct an energy conversion facility.

SECTION E – Existing Transmission Facilities (Electric)

Central Power has five transmission facilities that are in-service and energized at above 115 kV:

| <u>Facility</u> | <u>In Service Date</u> |
|--|-------------------------------|
| Harvey 230 kV Substation | December 2, 1986 |
| Underwood 230 kV Substation | December 4, 1981 |
| Wilton Wind 230kV Transmission Line | December 3, 2005 |
| <u>Equipment in Foreign Substations</u> | <u>In Service Date</u> |
| Hankinson 230 kV Substation (Otter Tail) | October 1, 1984 |
| <u>Equipment in Jointly Owned Substations</u> | <u>In Service Date</u> |
| Ward 230kV Substation (WAPA) | February 2006 |

Central Power has no plans to retire any existing transmission facilities within the next ten-year period.

SECTION F – Existing Transmission Facilities (Pipeline)

Not applicable to Central Power

SECTION G – Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Electric)

Central Power does not plan to construct any transmission facilities in excess of 115kV in the next five years.

SECTION H – Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Pipeline)

Not applicable to Central Power.

SECTION I – Proposed Transmission Facilities During the Next Ten-Year Time Period (Electric and Pipeline)

Central Power has no proposed transmission facilities in excess of 115-kV.

SECTION J – Regional Coordination

Central Power is a preference power customer of the Western Area Power Administration (WAPA) and a member of Basin Electric Power Cooperative. Central Power holds an all-requirements contract with Basin Electric for power supply above the amount provided by WAPA. Central Power is thus relieved of the responsibility for power generation and is able to benefit from Basin's and WAPA's comprehensive network of 115-kV, 230-kV, and 345-kV transmission facilities used in the delivery of power to Central Power's facilities.

Central Power, through its membership in Basin Electric and its association with WAPA, participates in the regional power supply network, and has worked with Basin and WAPA to help develop their outstanding record of regional power supply and transmission planning with all electric utilities serving the area. Central Power's cooperation with its power suppliers assures maximum coordination with the Department of Energy, Montana Dakota Utilities Company, Xcel Energy, Otter Tail Power Company, the Midcontinent Independent System Operator (MISO), and the Southwest Power Pool (SPP). Central Power also coordinates directly with Otter Tail Power Company and Montana Dakota Utilities on sub-transmission related activities.

Central Power works with Basin Electric Power Cooperative – Central Power's all supplemental requirements power supplier – in reviewing power planning arrangements and assisting with the preparation of forecasts of Central Power's future load requirements.

Future facilities to serve Central Power's six distribution member cooperatives from the generation and transmission network would be designed to utilize parts of other electrical utility systems to the extent possible, as well as other existing Central Power-owned facilities. The other electrical systems within Central Power's service area are:

Basin Electric Power Cooperative
Western Area Power Administration
Montana Dakota Utilities Company
Xcel Energy (Northern States Power Company)
Otter Tail Power Company

Central Power recognizes that the cost and construction difficulties associated with new facilities make coordinated planning as important now as at any time in the past.

SECTION K – Environmental Information

Central Power's environmental awareness has greatly influenced and shaped the methods used in planning, routing and locating the facilities built by the cooperative. Central Power has long been concerned with the impact of its facilities on the environment and on the people in our service area, who are for the most part our member-owners.

Central Power has developed methods of line routing, procedures for public meetings and construction practices that closely follow the guidelines for transmission line routing and facility siting developed under the North Dakota Energy Conversion and Transmission Facility Siting Act, and utilizes these guidelines as are relevant for 43.8-kV, 60-kV, 69-kV and 115-kV facilities that do not come under the requirements of this Act. Central Power will follow the requirements of the guidelines in the planning, routing and construction of all facilities in excess of 115-kV. In this endeavor, Central Power will employ its own personnel, reference advice from the North Dakota Public Service Commission, utilize advice and help from Basin Electric and utilize the help of hired expert consultants to meet all of the requirements of this Act.

SECTION L – Projected Demand for Service

Central Power’s historical peak loads are shown in Table 1. Central Power is a winter peaking utility and the table therefore represents peaks from each winter season.

Historical Annual Peak Demand

| Winter Season | Peak (MW) | Annual Year to Year Growth % | Cumulative Overall Growth % |
|---------------|-----------|------------------------------|-----------------------------|
| 2014/15 | 463.7 | 0% | 0% |
| 2015/16 | 436.4 | -5.9% | -5.9% |
| 2016/17 | 466.3 | 6.9% | 0.6% |
| 2017/18 | 463.6 | -0.6% | 0.0% |
| 2018/19 | 483.3 | 4.2% | 4.2% |
| 2019/20 | 455.7 | -5.7% | -1.7% |
| 2020/21 | 481.8 | 5.7% | 3.9% |
| 2021/22 | 476.4 | -1.1% | 2.7% |
| 2022/23 | 472.6 | -0.8% | 1.9% |
| 2023/24 | 501.1 | 6.0% | 8.1% |

Table 1

All United States Department of Agriculture – Rural Utilities Service (RUS) electric distribution and power supply borrowers must conduct Load Forecasts which are used in engineering and financial studies, including long-range planning, system work plans, rate studies, financial forecasts, and any studies in support of loan applications.

Central Power’s 2026 Load Forecast was prepared in accordance with RUS general guidelines and the procedures specified in the 2026 Load Forecast work plan presented to the Basin Electric Board of Directors. The load forecast process represents a joint effort by the distribution cooperatives, the generation and transmission cooperatives (G&T’s), and Basin Electric. To assure all segments of the cooperative structure are involved in the load forecast process, a steering committee was established consisting of representatives from the distribution cooperatives, the G&T’s, and Basin Electric.

The 2026 Load Forecast is a total load forecast for the period of 2025 through 2050. Individual consumer and energy forecasts are prepared for each consumer classification within the service territory. Econometric models are developed to project consumers and energy sales of the residential classification and, where applicable, small commercial, large commercial, oil, and coal related commercial classifications. For consumer classifications where econometric models are not

used, a judgmental forecast is prepared by the distribution cooperative. These judgmental forecasts consider past trends and future expectations. They also reflect the experience and knowledge the cooperative has of its service territory.

To determine the projected annual energy, the total projected requirements of each consumer classification are increased to include the cooperatives' own use and transmission losses. The projected annual energy requirements are converted to monthly energy and demand forecasts using historical and anticipated monthly energy patterns and load factors.

Projected Annual Peak Demand

| Winter Season | Projected Peak (MW) |
|---------------|---------------------|
| 2024/25 | 483.7 |
| 2025/26 | 493.0 |
| 2026/27 | 507.1 |
| 2027/28 | 518.3 |
| 2028/29 | 520.2 |
| 2029/30 | 521.9 |
| 2030/31 | 524.1 |
| 2031/32 | 526.8 |
| 2032/33 | 543.2 |
| 2033/34 | 545.6 |

Table 2

Central Power will continue to meet its projected peak demands through the purchase of all Central Power's power requirements from the Western Area Power Administration and from Basin Electric Power Cooperative.