

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Katie Sieben
Joseph K. Sullivan
Hwikwon Ham
Valerie Means
John Tuma

Chair
Commissioner
Commissioner
Commissioner
Commissioner

IN THE MATTER OF XCEL ENERGY'S
COMPETITIVE RESOURCE ACQUISITION
PROCESS FOR UP TO 800 MEGAWATTS OF
FIRM DISPATCHABLE GENERATION

Docket No. E002/CN-23-212

**XCEL ENERGY'S
BISON GENERATING STATION:
SUMMARY OF PROPOSAL**

SUMMARY

On January 22, 2024, Northern States Power Company, doing business as Xcel Energy, submitted to the Minnesota Public Utilities Commission its proposal to meet the need identified by the Commission in the Company's 2019 Integrated Resource Plan docket. The Commission determined that it is more likely than not that Xcel Energy will need up to 800 megawatts (MW) of generic firm dispatchable resources between 2027 and 2029.

One of the Company's proposals to meet this need is to construct two natural-gas-fired, simple-cycle, 210 MW combustion turbine (CT) generators and three 9-MW Reciprocating Internal Combustion Engines (RICE) for a total of 447 MW. The CT generators would be designed to co-combust up to 30 percent hydrogen upon initial operation.

The proposed facilities would be located adjacent to Xcel Energy's Bison substation in Cass County, North Dakota, with an in-service date of September 2028.

Xcel Energy and others will be submitting additional proposals to meet Xcel Energy's identified need for the 2027 to 2029 time period.