

NORTH DAKOTA TRANSMISSION AUTHORITY OVERVIEW



SENATE APPROPRIATIONS COMMITTEE

March 1, 2023

INDUSTRIAL COMMISSION ACTING IN ITS CAPACITY AS THE TRANSMISSION AUTHORITY (NDCC 17-05-02)



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PURPOSE OF NORTH DAKOTA TRANSMISSION AUTHORITY (NDCC 17-05)

To facilitate the development of transmission facilities that support North Dakota energy



Make grants or loans to facilitate transmission



Ownership of transmission facilities for public purpose



Issuing bonds for loans



Construction or maintenance of transmission facilities



Expertise for government entities and the public

TRANSMISSION AUTHORITY ACTIVITIES SUPPORTING NORTH DAKOTA ENERGY



Producing annual reports and electric needs assessments



Participating in regional grid operations



Consulting for North Dakota developers



Supporting build-out or acquisition of needed transmission



GROWING NEED AND VALUE OF TRANSMISSION AUTHORITY



Increased congestion limiting North Dakota energy growth



Alarming rate of baseload retirements (over 100 GW by 2039)

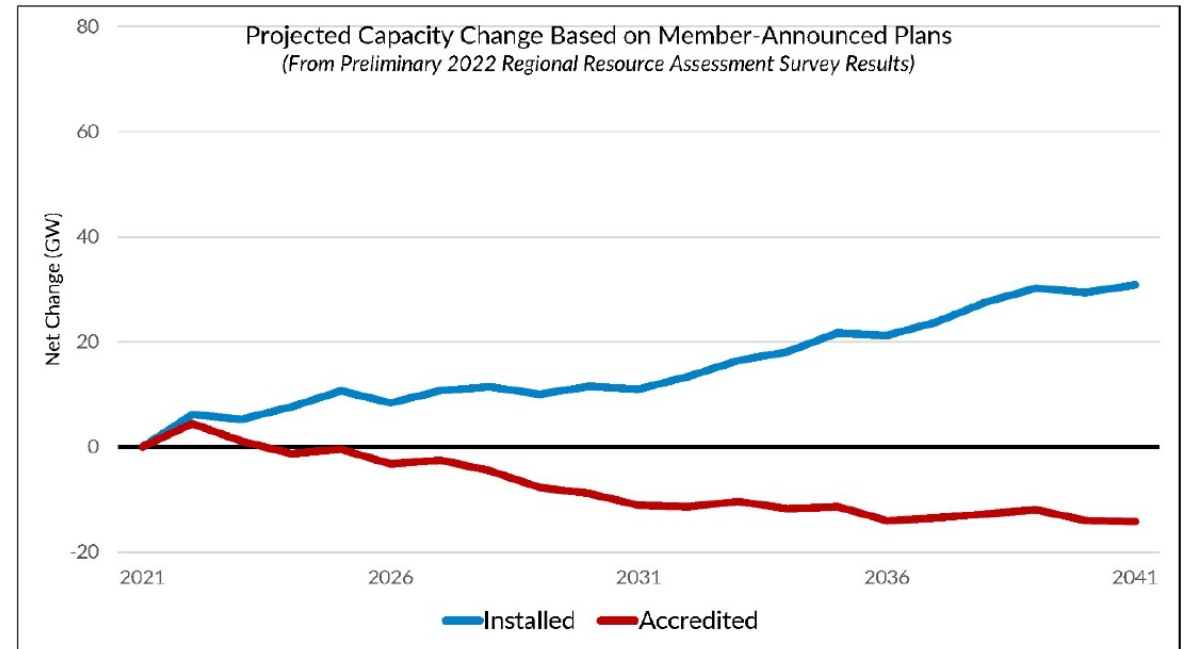


Shifting markets and demand



Advocating North Dakota's "All of the Above" policy

...accredited capacity is declining due to the rapid pace of retirements of controllable resources



4 *Future projections calculated as change from Future 1 2022 load assumption
Estimated accredited capacity: 16.6% for wind; 35% for solar, 87.5% for battery, 90% for coal, 90% for gas, and 95% for nuclear

INVESTING IN NORTH DAKOTA'S TRANSMISSION AUTHORITY



\$400,000 proposed for 2023-2025 biennium



Leveraging Lignite Research Funding for strategic studies



Facilitating broader collaboration



Unlocking over \$1 Billion investments in grid security

INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) GRID RESILIENCE GRANT PROGRAM

Formula change announced by Department of Energy (DOE) January 5th, 2023:

- 2023-2024 Federal Grant: \$3,760,129
- 2024-2025 Federal Grant: \$3,738,908
- Total Federal Grant Available: \$7,499,037

- State match required: \$1,124,856

- **Total one-time funding needed: \$8,623,893**

(decrease from \$8,892,485 initial request in Governor's budget)



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