

Grid Resiliency Grant BIL Section 40101(d)

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October 19, 2023

THE “WHY” TO PURSUE

- Grid Transformation**
- Energy Resource Transformation**
- Concerns about Grid Reliability and Resilience**

North American Electric Reliability Council NERC Winter 2022-2023 Reliability Risk



Figure 1: Winter Reliability Risk Area Summary

NERC Summer 2023 Reliability Risk



Seasonal Risk Assessment Summary	
High	Potential for insufficient operating reserves in normal peak conditions
Elevated	Potential for insufficient operating reserves in above-normal conditions
Low	Sufficient operating reserves expected

Figure 1: Summer Reliability Risk Area Summary

ND TRANSMISSION AUTHORITY-FORMULA GRANT

IIJA Grid Resilience Grant Award (two years)

May 23,2023	\$7,499,037
ND State Match	<u>\$1,124,856</u>
	\$8,623,893*

**Minus Administration & Reporting Expense*

FLEXIBILITY FROM DOE

- Unsuccessful grant applicants in round 1 can be held for round 2
No need to reapply**
- Years one and two (\$8.0 million) can be awarded in year one**

ND TRANSMISSION AUTHORITY GRANT GOALS/OBJECTIVES

1. To **reduce the magnitude and duration of grid outages** caused by major disruptive (storm/non-storm) events and ensure that the North Dakota grid infrastructure is less impacted by these events.
2. To **reduce the frequency and impacts** of grid outages caused by major disruptive events (storm/non-storm)
3. To implement grid modernization projects to develop energy solutions that provide **lower-cost energy access to disadvantages/underserved communities** and promote energy sufficiency and energy justice in these communities while providing clean energy opportunities.

TIMELINE

October 4, 2023	ND Industrial Commission Approves Procedures/Timeline
October 19, 2023	Stakeholder Kick-Off Meeting
November 20, 2023	Grant Application Submittal Deadline
December 8, 2023	Technical Reviews Completed
December 19, 2023	Tentative Grant Award Action – ND Industrial Commission

APPLICATION

- Agencies**
- Bank of North Dakota
 - Building Authority
 - Department of Mineral Resources
 - Housing Finance Agency
 - Mill & Elevator
 - Pipeline Authority
 - Public Finance Authority
 - Student Loan Trust
 - Transmission Authority**

Home / North Dakota Transmission Authority

North Dakota Transmission Authority

The North Dakota Transmission Authority (Authority) was created by the North Dakota Legislative Assembly in 2005 at the request of the North Dakota Industrial Commission. The Authority's mission is to facilitate the development of transmission infrastructure in North Dakota. The Authority was established to serve as a catalyst for new investment in transmission by facilitating, financing, developing and/or acquiring transmission to accommodate energy production. The Authority is a builder of last resort, meaning private business has the first opportunity to invest in and/or build needed transmission.

By statute, the Authority membership is comprised of the members of the North Dakota Industrial Commission. The Commission appoints the Executive Director.

Whether the issue is project development or legislative initiatives, the Authority is actively engaged in seeking ways to improve North Dakota's energy export capabilities along with transmission capabilities within the state. Authority staff advise stakeholders of the technical and political challenges associated with moving energy from generator to satisfied customer.

Annual Reports	+
ND Grid Resiliency Plan	+
ND Electric Load Forecast Reports	+
Transmission Capacity Study	+

<https://www.ndic.nd.gov/transmission-authority-grant-program-0>

REPORTING REQUIREMENTS (NDTA)

North Dakota Transmission Authority is required to submit the following:

- Project Management Plan (completed)
- Quarterly Progress Reports
- Annual Metrics and Impact Report

REPORTING REQUIREMENTS (PROPOSAL PHASE)

Information provided as part of the proposal:

- Annual electrical sales
- Number of customers
- Project budget (with funding request and cost share defined)

REPORTING REQUIREMENTS (AFTER SELECTION)

If selected, the subrecipient will be required to provide the following information:

- Environmental Questionnaire (for NEPA review/determination)
- Cost match commitment letter
- SF-424a form/budget justification document
- Other disclosures/acknowledgements related to:
 - Foreign national participation
 - Foreign ownership
 - Buy America/Build America provisions
 - Davis-Bacon prevailing wage
- Utility outage information (to establish baseline information)

REPORTING REQUIREMENTS (DURING PROJECT)

The subrecipient will be required to provide the following information on a **quarterly** basis:

- Major accomplishments and expenses for the past quarter
- Anticipated work and expenses for the next quarter

The subrecipient will be required to provide information and work with NDTA/EERC to report the following information on an **annual** basis:

- Performance metrics (improvement from baseline)
- Job creation/training
- Workforce demographics
- Community engagements

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