



FACT SHEET

GRID RESILIENCE AND INNOVATION PARTNERSHIPS PROGRAM

Established by the Bipartisan Infrastructure Law, the U.S. Department of Energy's Grid Deployment Office is administering a historic \$10.5 billion investment via the Grid Resilience and Innovation Partnerships (GRIP) program to enhance grid flexibility, improve the resilience of the power system against growing threats of extreme weather and climate change, and ensure American communities have access to affordable, reliable, clean electricity when and where they need it.

SUPPORTING NAPERVILLE'S CLEAN ENERGY TRANSITION

Through its municipally owned utility, Naperville Electric Utility (NEU), the City of Naperville, Illinois, aims to manage the rapidly growing quantity of new generation, storage, and electrification assets being introduced onto NEU's grid and to support the State of Illinois' clean energy transition to 100% clean, renewable energy by 2050. Naperville is seeking to deploy a robust distributed energy resource management system (DERMS), allowing greater visibility, monitoring and control of distributed energy resources (DERs), supporting broader load control and conservation voltage reduction (CVR) programs, and better informing and supporting future distribution system investment planning.

Anticipated Outcomes and Benefits

- › Help meet Illinois' decarbonization goals of 100% clean, renewable energy by 2050 by enabling wider integration of clean energy assets.
- › Increase system capacity to integrate future DERs.
- › Catalyze further investment into the grid by increasing system capacity to handle future grid-edge devices.
- › Increase grid flexibility, furthering energy democracy initiatives within the community by increasing the opportunity for individual and community-owned clean energy assets.
- › Supports union jobs through agreement with the International Brotherhood of Electrical Workers (IBEW) Local 9 for grid deployment work.
- › All of the direct benefits of this project will flow back to the 61,000 electric customers served by the utility.
- › Increase NEU's ability to host electric vehicles and charging stations.
- › Indirectly decrease energy costs for consumers and decrease environmental pollution by integrating clean, renewable resources.

PROJECT DETAILS

- › **Project:**
Distributed Energy Resource Management System Implementation and Integrations
- › **Applicant/Selectee:**
City of Naperville
- › **GRIP Program:**
Smart Grid Grants (Bipartisan Infrastructure Law, Section 40107)
- › **Federal cost share:**
\$1,116,174
- › **Recipient cost share:**
\$1,116,174
- › **Project location:**
Naperville, IL
- › **Project type:**
Visibility and Control

HELPFUL LINKS

- › [Grid Resilience and Innovation Partnerships Program](#)
- › [About the Grid Deployment Office](#)