

Charting pathways for resilient, sustainable energy

Microgrid Institute is a collaborative organization supporting the development of resilient and sustainable local energy systems.

Our multidisciplinary team provides industry-leading capabilities in:

- *Project Development*: Planning, grantwriting, design, and leadership
- *Legal, Regulatory & Finance*: Analysis, structuring, and management
- *Strategic Consulting*: Market analysis, business development
- *Collaboration*: Multidisciplinary teaming, partnering, and contracting
- *Stakeholder Engagement*: Outreach, collaborative workshops, education

Qualifications & Experience

Microgrid Institute principals and thought leaders bring decades of experience in policy, development, and finance, as well as technology engineering and deployment. Our initiatives are at the forefront of efforts to develop cleaner, more resilient energy systems. Examples:

- *NYSERDA NY Prize projects*: Leading feasibility analysis and development of community microgrids in New Paltz and Warwick, N.Y.
- *Olney Town Center Microgrid project*: Prime contractor, project manager, and principal investigator in \$1.2 million U.S. DOE project to develop and test microgrid control systems for Maryland communities
- *D.C. Microgrid and District Energy Assessment*: Market and legal analysis commissioned by District of Columbia Dept. of Energy and Environment.
- *Minnesota Microgrids*: In-depth study of microgrid potential, challenges, and options for the Minnesota Department of Commerce
- *CHP Stakeholder Engagement*: Facilitated outreach and engagement processes as part of Minnesota's efforts to establish a CHP Action Plan
- *Strategy & Policy Development*: Engaged in microgrid planning and development efforts in the District of Columbia, Maryland, Virginia, New York, Florida, Minnesota, and other markets

For More Information

www.microgridinstitute.org
info@microgridinstitute.org
Phone: 320.632.5342



New Paltz Microgrid Project Team

The New York State Energy Research and Development Authority (NYSERDA) selected the New Paltz Microgrid Project for Stage I funding in the NY Prize Community Grid competition.

The project is a public-private collaboration with the *Town and Village of New Paltz*, with support from local stakeholders including: *SUNY at New Paltz*, *New Paltz Central School District*, and the *New York State Department of Environmental Conservation (Region #3)*

Technical Team



prime contractor,
project manager,
principal



system design,
modeling,
assessment



microgrid
control platform,
modeling support



micro-markets,
transactive energy
analysis

Community Microgrid Experience

New Paltz Microgrid technical team brings multidisciplinary capabilities and experience with resilient energy systems. The project team has designed dozens of microgrids, with operating projects in North America and around the world. Examples:

Borrego Springs Microgrid – Community-scale microgrid on an existing circuit serving 615 customers, integrating 800 kW of installed photovoltaic (PV) solar, located in a remote part of the utility's territory. (4.5 MW)



Olney Town Center Microgrid – U.S. DOE project to design, model, and test microgrid control system for Olney, Maryland, including regional hospital, police and fire stations, public shelters, gas stations, pharmacies, and grocery stores. (7 MW)



Kashiwa-no-ha Smart City – PV arrays, gas turbines, energy storage, and electric vehicles in a coordinated microgrid, providing most of the city's power. Supports the utility grid with ancillary services and demand response.