



Energy Technology Innovation Partnership Project

The U.S. Department of Energy's (DOE) Energy Technology Innovation Partnership Project (ETIPP) helps coastal, remote, and island communities increase their resilience through energy planning and deep-dive technical assistance.

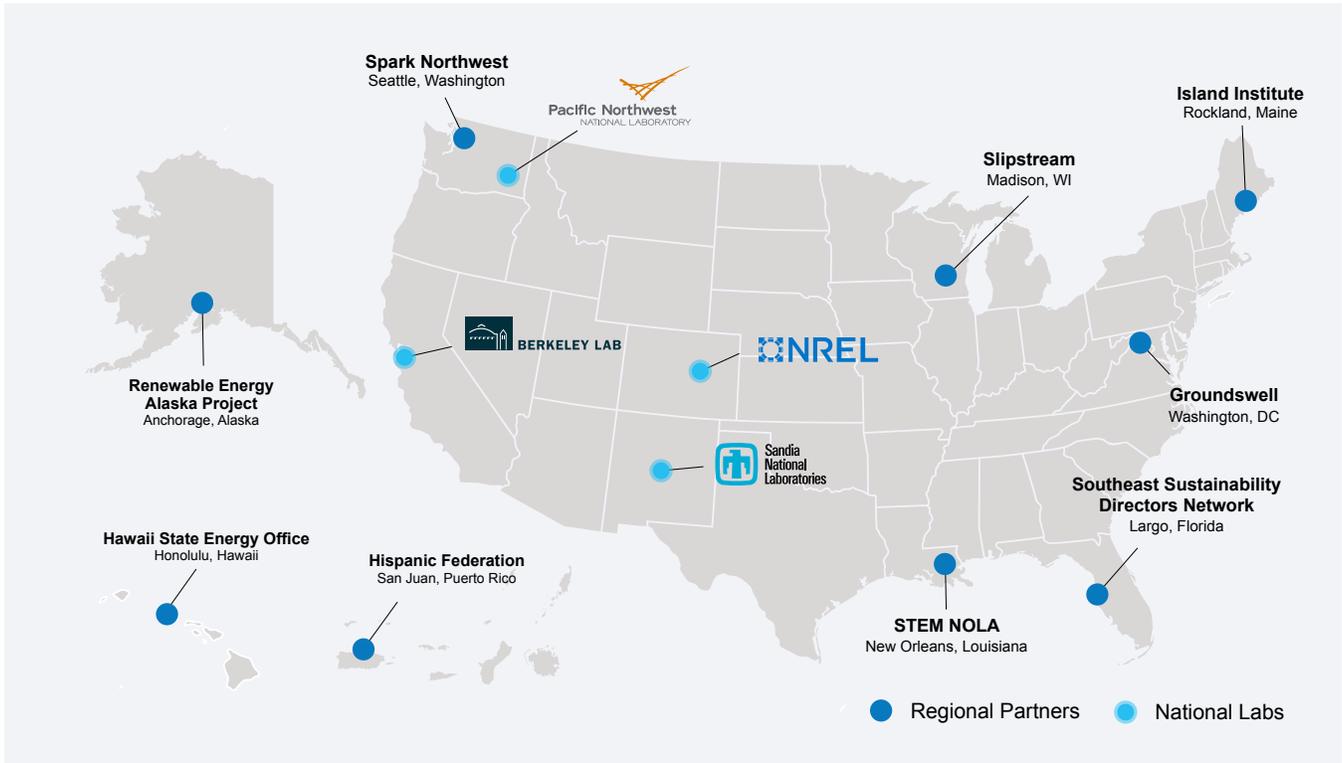
Supporting Coastal, Remote, and Island Communities

ETIPP works directly with coastal, remote, and island communities to map out resilient solutions to energy challenges by combining the experience of local leaders, capabilities of national laboratories, and support of regional organizations. ETIPP is open to communities and organizations in the United States and its territories that are experiencing energy resilience challenges due to their remote geography, aging infrastructure, and exposure to harsh weather conditions, among other considerations. Communities must be located in an ETIPP-supported region, defined by ETIPP's Regional Partner organizations, to be eligible for the program. Types of eligible groups include local governments, Tribes or Tribal organizations, community-based organizations, special purpose districts, U.S.-based academic institutions, municipal utilities, and electric co-ops.

Competitively selected communities work with experts at DOE's national laboratories to engage in strategic energy planning and/or pursue an in-depth technical assistance project for up to 24 months. From 2020 to 2024, 57 communities were selected to participate in ETIPP.

Developing Community-Driven Energy Solutions

ETIPP projects are guided by questions surrounding community energy systems that can be answered using data-driven analysis. ETIPP's energy analysis and planning support helps communities explore energy resilience solutions, including analyzing options for energy efficiency for buildings, options for leveraging local resources, firm or baseload generation (e.g., hydropower, geothermal), hybrid systems, microgrid design, backup generation and storage, and electric or hybrid transportation.



Geographic distribution of ETIPP regional partners and national laboratories. *Illustration by Fred Zietz, NREL*

Working with ETIPP's Partner Network

ETIPP leverages the expertise of an extensive partner network to support communities with their energy resilience needs. DOE provides strategic oversight and funding, national laboratories provide expert technical assistance, and regional partner organizations provide community engagement and capacity building.

ETIPP builds on a framework developed by DOE's Energy Technology Innovation Initiative to develop energy resilience in remote and island communities worldwide. The framework leverages DOE's decades of work supporting community-led energy projects through partnerships, technical assistance, planning resources, tools, and trainings. ■

What Communities Are Saying:

"Deer Isle and Stonington are collaborating in ways we never thought possible. In one year we have a scope of work and are implementing solar power-battery energy storage systems in both of our towns. This is remarkable progress, but it is just a start."

- Deer Isle and Stonington, Maine

"McGrath's energy plan is far more comprehensive than I could have imagined when we first initiated contact with University of Alaska Fairbanks and learned of the ETIPP opportunity. The bridges built and depth of knowledge gained are truly remarkable."

-McGrath, Alaska

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