



Community Microgrid Assistance Partnership (C-MAP)

Improving Electricity Access and Reliability in Remote Areas

The Community Microgrid Assistance Partnership (C-MAP) provides funding, access to technical experts, and educational resources to energy providers in remote and electrically isolated areas to help them build, operate, and enhance microgrid systems.

Microgrids are localized electricity systems that can operate independently to serve homes, businesses, and critical facilities. This independence is especially valuable in remote and rural communities, where dependence on long-distance grid connections and imported fuel can cause frequent outages and fluctuating energy costs. By providing a more locally controlled source of power, microgrids can deliver more affordable, reliable, and secure energy service.

C-MAP is a program of the U.S. Department of Energy's Office of Electricity (OE).

C-MAP Program Offerings

Resource Library and Webinar Series

The Community Microgrid Innovation Exchange (C-MIX) is a free, open-access hub of expert-curated microgrid



The Native Village of Kluti-Kaah is one of 14 projects selected to receive direct funding and technical assistance as part of the first cohort of the Community Microgrid Assistance Partnership (C-MAP). Facing poor power quality and frequent disruptions, the Tribe is analyzing the feasibility of a grid-connected microgrid to provide reliable, affordable energy. *Photo courtesy of Pete Peschang, Grants Administrator for the Native Village of Kluti-Kaah.*

resources and events for communities, energy providers, researchers, vendors, and government partners.

C-MIX brings together the best available tools, insights, and real-world examples to help accelerate microgrid development.

The platform features more than 500 curated resources, such as:

- Technical guides, templates, and planning tools
- Case studies and lessons learned from C-MAP and other microgrid projects
- Resources on financing, workforce development, and project management.

C-MIX webinars cover key aspects of microgrid development—from planning and sequencing new assets to operational considerations and community engagement—providing users direct access to leading experts.

Register for upcoming webinars and find microgrid resources on the C-MIX website at: cmix.openei.org

Microgrid Support Services

C-MAP's Microgrid Support Services provide targeted, short-term assistance for communities at any stage of microgrid development. Applications are accepted and reviewed year-round. Microgrid Support Services offers three tiers of assistance:

- 1. Ask an Expert:** 1 hour of high-level guidance.
- 2. Opportunity Matching:** up to 5 hours to identify relevant funding and technical-assistance pathways.
- 3. Tailored Support:** up to 60 hours of prefeasibility analysis, modeling, technology screening, document review, and procurement support.

Support may include engineering and design guidance, financial and economic assessments, controls and operational planning, monitoring and system optimization, and strategies for expansion, upgrades, or reliability improvements.

Apply through the application form available on the C-MIX website at: cmix.openei.org

Direct Funding Opportunities

C-MAP provides competitively awarded funding paired with technical and administrative support from partner organizations to help local governments, utilities, and other energy providers strengthen microgrid energy systems. All supported projects are expected to advance replicable microgrid solutions for remote, rural, and islanded communities.

In 2025, C-MAP selected 14 microgrid projects serving 37 remote towns and villages for \$5.5 million in direct funding and \$2.6 million for technical assistance provided by U.S. Department of Energy national laboratories and partners. C-MAP will share lessons learned from these projects through the C-MIX to enable replication in similar communities nationwide.

C-MAP is accepting proposals for remote microgrid projects to receive \$200,000–\$575,000 in funding, plus up to 24 months of technical support from DOE national laboratories and partners.

Proposals are due July 2, 2026.

Learn more and subscribe for updates at energy.gov/c-map.

About the Office of Electricity

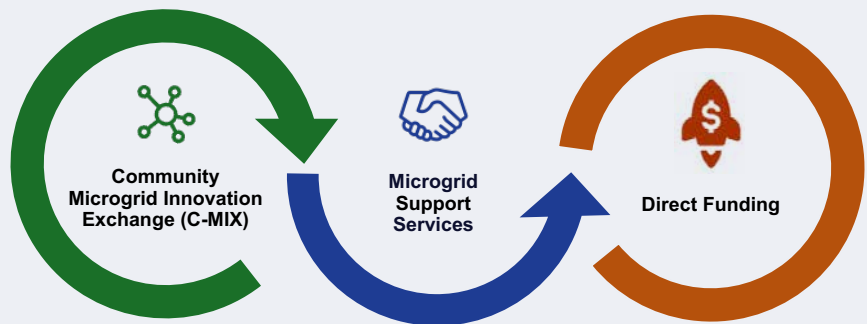
The U.S. Department of Energy Office of Electricity works with industry and other stakeholders to advance technologies and practices that ensure every American home and business has reliable access to affordable energy. Microgrids are a core component of the office's strategy to increase energy reliability and security.

Learn More

For more information about C-MAP, to access the C-MIX, and to subscribe for email updates, visit the C-MAP program website: energy.gov/c-map. Contact cmmap@nlr.gov with any questions. ■



C-MAP awardees and partners gather in Anchorage, Alaska, in October 2025 to participate in C-MAP roundtable discussions, initiating knowledge exchange and fostering collaboration to advance program objectives. *Photo by Renewable Energy Alaska Project.*



C-MAP program offerings provide targeted assistance and funding that enhance energy affordability, reliability, and security.



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For more information, visit:
energy.gov/c-map

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