



GRID RESILIENCE AND INNOVATION PARTNERSHIPS PROGRAM

Empowering Tribes Through a Community Microgrid Network

Established by the Bipartisan Infrastructure Law, the Grid Resilience and Innovation Partnerships (GRIP) Program is a \$10.5 billion investment to enhance grid flexibility, improve the resilience of the power system against extreme weather, and ensure American communities have access to affordable, reliable, electricity when and where they need it. GRIP funding is administered by the Department of Energy's Grid Deployment Office (GDO). This project was selected through the second round of GRIP funding.

The Tribal Energy Resilience and Sovereignty (TERAS) Project will empower four Tribes in Northern California—the Hoopa Valley, Yurok, Karuk, and Blue Lake Rancheria Tribes—to develop Tribe-owned and -operated nested microgrids. This system will transform an outage-prone area through the deployment of reliable, resilient, community-led energy systems. TERAS will utilize innovative technology, advance Tribal Energy Sovereignty, create durable and lasting change in disadvantaged and vulnerable communities, and develop a replicable public-private partnership model for equitable and community-driven grid modernization.

Anticipated Outcomes and Benefits

Tribal sovereignty: Four Tribal communities will transform the local grid by building, owning, and operating energy systems.

Improved reliability and resilience: The project is anticipated to reduce outage hours by 90% compared to 2022.

New clean energy resources: TERAS microgrids will jointly host over 20 MW of clean energy resources and will support full electrification through controls and grid upgrade planning.

Public-private partnerships: The project brings together Tribal governments, Redwood Coast Energy Authority (the joint powers energy authority), Schatz Energy Research Center at Cal Poly Humboldt, Pacific Gas & Electric (the regional power utility), and private sector contractors and consultants to create a replicable, scalable approach to community microgrids.

Workforce development: The project will establish inter-tribal regional collaboration for energy workforce development, including:

- Creating pre-apprentice and apprentice program pathways for Tribal members.
- Ensuring community members have access to apprentice programs.
- Developing partnerships with regional K-12, technical education, and higher education organizations to build cohesive and continuous educational and training pathways toward good careers.

Project Details



- **Project:**
Tribal Energy Resilience and Sovereignty (TERAS) Project
- **Applicant/Selectee:**
Redwood Coast Energy Authority
- **GRIP Program:**
Grid Innovation Program
(Bipartisan Infrastructure Law, Section 40103(b))
- **Federal cost share:**
\$87,629,455
- **Recipient cost share:**
\$88,971,068
- **Project location:**
California
- **Project type:**
Microgrids

Published August 2024. Fact sheet information is based on project applications at the time of publication and should not be considered final.