



GRID RESILIENCE AND INNOVATION PARTNERSHIPS PROGRAM

Scaling Advanced Reconductoring Across the West

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 U.S. Department of Energy's Grid Deployment Office (GDO). This project was selected through the second round of GRIP funding.

The Utah Office of Energy Development's Reliable Electric Lines: Infrastructure Expansion Framework (Project RELIEF) will deploy advanced conductor cables to significantly boost transmission capacity using existing rights-of-way, which will improve grid reliability for 700,000 utility customers across four states and five tribal nations and enable the integration of more than 500 MW of renewable energy.

Anticipated Outcomes and Benefits

Advanced conductor deployment for increased capacity:

The project will deploy high-temperature, low-sag technologies on over 250 miles of transmission lines, doubling existing capacity.

Reliability improvements: By addressing system contingency issues, the project will resolve over 5,500 hours of potential outages for 700,000 utility customers. Additionally, over 50% of project reliability benefits will flow to Disadvantaged Communities (DACs).

Public-private partnerships across the West: Project supporters include the states of Arizona, Idaho, Oregon, Utah, and Wyoming; the National Association of State Energy Officials (NASEO); PacifiCorp; Garkane Energy Cooperative; Utah State University; and various vendors.

Enable advanced reconductoring across the United States:

A new policy framework and workforce development will enable the deployment of advanced conductors to scale across the country.

Good jobs and workforce training: The project will create work for approximately 500 new jobs while investing \$12 million in pre-apprenticeship, apprenticeship, master electrician, and other workforce training opportunities for more than 150 high school and community colleges across DACs and rural communities in Utah, Oregon, Idaho, and Wyoming. Additionally, project partners will contract International Brotherhood of Electrical Workers (IBEW) labor on projects and will align with Collective Bargaining Agreements with three local IBEW chapters.

Project Details



- **Project:**
Reliable Electric Lines: Infrastructure Expansion Framework (Project RELIEF)
- **Applicant/Selectee:**
Utah Office of Energy Development
- **GRIP Program:**
Grid Innovation Program
(Bipartisan Infrastructure Law, Section 40103(b))
- **Federal cost share:**
\$249,557,047
- **Recipient cost share:**
\$252,030,385
- **Project location:**
Utah, Oregon, Wyoming, Idaho, Arizona, California
- **Project type:**
Transmission

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