



Grid Resilience and Innovation Partnerships (GRIP) Program Projects

As part of the Bipartisan Infrastructure Law, the Grid Deployment Office (GDO) is administering a \$10.5 billion [Grid Resilience and Innovation Partnerships \(GRIP\) Program](#) to enhance grid flexibility and improve the resilience of the power system against growing threats of extreme weather.

These programs will accelerate the deployment of transformative projects that will help to ensure the reliability of the power sector's infrastructure, so all American communities have access to affordable, reliable electricity.

Programs

- [Grid Resilience Utility and Industry Grants](#)
- [Smart Grid Grants](#)
- [Grid Innovation Program](#)

Boosting Grid Resilience in Communities Impacted by Hurricanes Helene and Milton

On [October 13, 2024](#), President Biden announced the U.S. Department of Energy (DOE) is providing more than \$600 million through the Bipartisan Infrastructure Law to bolster grid resilience and reliability in the face of extreme weather and increased electricity demand across the states affected by Hurricanes Helene and Milton. The funding will help harden the electric grid across the Southeastern U.S.; install advanced conductors and controls to help local power companies better face increasing extreme weather; deploy self-healing devices and enable more efficient and precise dispatching of field teams during outages; upgrade lines to meet critical capacity and flexibility for projected load growth and renewable integration; and build, rebuild, or reconductor transmission infrastructure. This investment will help reduce the likelihood of outages, speed up restoration times, and increase grid operational resilience for millions of customers in communities most susceptible to prolonged outages in one of the highest storm-risk regions of the country.

Projects receiving funding within communities affected by Hurricane Helene include:

- [Randolph Electric Membership Corporation](#) (Up to **\$11.4 million** in North Carolina)
- [Tennessee Valley Authority](#) (Up to **\$250 million** in Alabama, Georgia, Kentucky, Missouri, Mississippi, North Carolina, Tennessee, and Virginia)
- [Gainesville Regional Utilities](#) (Up to **\$47 million** in Florida)
- [Georgia Power Company](#) (Up to **\$160 million** in Georgia)
- [Georgia Transmission Corporation](#) (Up to **\$97 million** in Georgia, Arkansas, Arizona, Kentucky, Maine, Minnesota, North Carolina, Nebraska, New Mexico, South Dakota, and Wisconsin)
- [Switched Source](#) (Up to **\$47 million** in Florida and Illinois)

Round 2 Selections

As of [October 18, 2024](#), the U.S. Department of Energy (DOE) has announced about \$4.2 billion in federal investments through the second round of GRIP funding for **46 projects** in **47 states** plus the District of Columbia to protect the U.S. power grid against growing threats of extreme weather, lower costs for communities, and enable additional grid capacity to meet load growth stemming from an increase in manufacturing, data centers, and electrification.

Projects

Through the first and second rounds of GRIP funding, GDO has announced a total of **\$7.6 billion** in funding for **105** selected projects in **all 50 states** and the District of Columbia.

- **December 20, 2024:** [\\$28.7 Million to Protect the Grid Against Extreme Weather](#)
- **October 18, 2024:** [\\$2 Billion Investment to Protect the Grid Against Growing Threats of Extreme Weather, Expand Transmission](#)
- **August 6, 2024:** [\\$2.2 Billion Investment in the Nation's Grid to Protect Against Extreme Weather, Lower Costs, and Prepare for Growing Demand](#)
- **October 18, 2023:** [\\$3.5 Billion for Largest Ever Investment in America's Electric Grid, Deploying More Clean Energy, Lowering Costs, and Creating Union Jobs](#)

Disclaimer: By publishing these project fact sheets, DOE is not endorsing, recommending, or favoring any specific commercial product, process, or service by trade name, trademark or manufacturer.

Grid Resilience and Innovation Partnerships Program Selections Snapshot



\$7.6B

Total federal investment



105

Total projects selected



~2,500

Miles of transmission affected



15,000+

Jobs supported or created



85 Million

Estimated number of customers impacted

As of December 20, 2024

Search Tip: If you are looking for projects within a specific state, type the full name of the state in the search bar.

Filters


Showing 1 to 25 of 105 entries

Search:

Applicant/Selectee Project Federal Cost Share Recipient Cost Share Status Round

 Alaska Energy Authority	Railbelt Innovative Resiliency Project	\$206,500,000	\$206,500,000	Awarded	First
 Algonquin Power Fund America Inc.	Enabling the Clean Energy Transition by Enhancing Grid Stability Using SmartValve Technology	\$42,905,918	\$42,905,918	Withdrawn	First
 Allete Inc.	Minnesota Power HVDC Terminal Expansion Capability (HTEC) Project	\$50,000,000	\$54,116,574	Awarded	First
 Ameresco, Inc.	Pu`uloa Microgrid and Backbone Project	\$39,858,257	\$75,161,680	Selected	Seco
 American Electric Power Service Corporation	AEP Advance Distribution Management System and Distributed Energy Resource Management System (ADMS & DERMS) Initiative	\$27,849,763	\$27,849,763	Awarded	First
 Arizona Public Service Company	Deploying Smart Grid Technology to Enhance Arizona's Resilient Grid	\$20,000,000	\$40,161,443	Selected	Seco
 Arizona Public Service Company	Strengthening Arizona's Wildfire Mitigation Efforts	\$50,000,000	\$71,244,291	Selected	Seco
 Arkansas Valley Electric Cooperative Corporation	Beyond AMI to True Grid Intelligence with Distribution Automation	\$18,304,363	\$18,310,825	Awarded	First
 Avista Utilities	Lolo-Oxbow Transmission Upgrade and Optimization	\$85,664,781	\$87,296,824	Selected	Seco
Baltimore Gas and Electric Company,	Baltimore Interconnection	\$50,000,000	\$55,406,308	Selected	Seco

 an Exelon Company	Readiness & Deployment of Storage (BIRDS)				
 Black Hills Electric Cooperative, Inc.	Black Hills Wildfire Mitigation: Protecting the sanctity of the Black Hills and aiding 6 of the poorest counties in the US	\$20,458,124	\$13,277,148	Selected	Seco
 Board of Trustees of the University of Illinois	Increasing Transmission Capacity and SMART Grid Capabilities in Rural North Dakota by Reconductoring with Advanced Conductor Technology.	\$15,594,518	\$15,594,518	Awarded	Seco
 Burlington Electric Department	Building Grid-Edge Integration and Aggregation Network of Thermal Storage (GIANTS).	\$1,158,695	\$1,160,000	Awarded	First
 CPS Energy	The San Antonio Community Energy Resiliency Program	\$30,227,710	\$30,227,710	Awarded	First
 California Energy Commission	CHARGE 2T: California Harnessing Advanced Reliable Grid Enhancing Technologies for Transmission	\$630,561,319	\$900,841,978	Awarded	Seco
 Central Maine Power	Automation and Topology Advancements in America's Most Forested State	\$30,306,795	\$30,306,795	Awarded	First
 City of Kaukauna	Kaukauna Utilities Grid	\$3,012,462	\$3,012,462	Awarded	First

	Resilience Project				
 City of Lake Worth	System Hardening and Reliability Improvement Program (SHRIP)	\$23,462,167	\$23,462,167	Awarded	First
 City of Naperville	Distributed Energy Resource Management System (DERMS) Implementation & Integrations	\$1,116,174	\$1,116,174	Awarded	First
 City of Tallahassee Electric & Gas Utility	Griffin Heights Electric Resilience: Storage, Automation & Modernization in Tallahassee, Florida	\$28,696,679	\$10,691,949	Selected	Seco
 Commonwealth Edison Company	Deployment of a Community-Oriented Interoperable Control Framework for Aggregating and Integrating Distributed Energy Resources and Other Grid-Edge Devices	\$50,000,000	\$66,000,000	Awarded	First
 Confederated Tribes of Warm Springs Reservation of Oregon	Confederated Tribes of Warm Springs (CTWS) and Portland General Electric (PGE) Regional 500kV Transmission Innovative Partnership	\$250,000,000	\$363,953,472	Awarded	First
 Consumers Energy	Sectionalization and Circuit Improvements to Mitigate Outage Impacts for Disadvantaged Communities	\$100,000,000	\$100,310,996	Awarded	First
Consumers Energy	AI Grid-Enabled Transportation	\$19,907,014	\$19,907,014	Selected	Seco

[+ Electrification in America's Automotive Heartland](#)

[+ DTE Electric Company](#)
[Deploying Adaptive Networked Microgrids to Improve Grid Flexibility and Reliability](#)

\$22,941,046

\$22,941,046

Selected

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