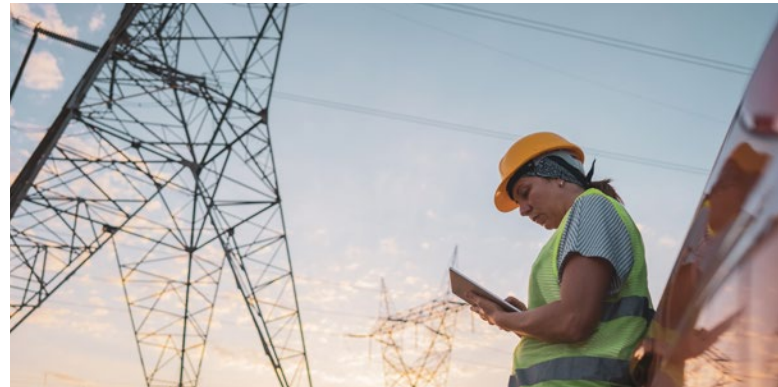


# Unlocking the Future of Power System Infrastructure



## Grid Resilience and Innovation Partnerships (GRIP) Programs

The Department of Energy's Grid Deployment Office (GDO) and the Office of Clean Energy Demonstrations (OCED) have recently announced the second round of funding for the Grid Resilience and Innovative Partnerships Program (GRIP). This initiative is aimed at transforming the U.S. electric grid, enhancing its reliability, resilience, and efficiency. We believe ESS' long-duration energy storage solutions align perfectly with the program's goals and would welcome the opportunity to partner with you on an application and take advantage of this unique opportunity.



## GRIP Program Objectives and Priority Areas of Investment

### Transformation of the Electric Grid

GRIP aims to transform the U.S. electric grid at both transmission and distribution levels, enhancing resilience, flexibility, and spurring innovation throughout project ideation and execution.

### Increase Resilience and Reduce Cost

Projects that implement novel and replicable approaches to reducing energy burden and increasing resilience for disadvantaged communities, especially projects that increase access to cheaper generation resources and reduce the impact of infrastructure costs.

### Prioritizing Energy Justice

The program prioritizes energy justice, building the relationship between energy providers and communities, with a focus on underserved or historically marginalized areas.

### Leveraging Private Sector Capital

GRIP seeks to catalyze private sector and non-federal public capital for impactful technology and infrastructure deployment.

## Program Details

### Grid Resilience Grants

#### Objective

Mitigate impacts of extreme weather, wildfires, and natural disasters on the electric grid.

#### Eligible Applicants

Electric grid operators, electricity storage operators, generators, transmission owners/operators, distribution providers, fuel suppliers, and other relevant entities.

#### Deadline

Concept papers due by **January 12, 2024**.

### Grid Innovation Program

#### Objective

Fund high-impact, innovative projects improving grid reliability and resilience on local, regional, and interregional scales.

#### Eligible Applicants

States, tribes, local governments, public utility commissions.

#### Focus

Public/private partnerships demonstrating meaningful collaboration.

# Partner with ESS for Best Results

ESS offers long-duration energy storage solutions that enhance and support public and private power grids. Our technology delivers safe and sustainable energy storage, providing resiliency particularly during high-stress periods and extreme weather events.

With its industry-leading iron flow battery technology, ESS is helping project developers, utilities, and EPCs make the transition to more flexible, non-lithium-ion, long-duration storage that is better suited for the grid and the environment.

We would welcome the opportunity to partner with you to take advantage of this DOE funding opportunity. A long-duration energy storage project leveraging our technology and expertise would help meet your energy goals in line with the Department of Energy's strategy.



ESS is an Oregon-based manufacturer of safe and sustainable iron flow batteries. Commercially available since 2022, [ESS iron flow batteries](#) are ideally suited to deliver the cost-effective resiliency and grid stabilization benefits that GRIP supports:

- Proven projects and partnerships with utilities, including the Sacramento Municipal Utility District (2 GWh partnership with ESS), Turlock Irrigation District and Burbank Water and Power.
- Field-proven technology manufactured in the U.S., UL 9540 certified.
- No risk of thermal runaway, allowing ESS batteries to be safely sited in communities, wildfire prone regions, and other strategic locations where grid resiliency is critical but fire risk is unacceptable.
- 25-year design life with unlimited cycling and no degradation, providing maximum operational flexibility for grid firming and renewable asset utilization.

## How to Participate

For detailed information on eligibility, project requirements, and application procedures, refer to the [complete program details provided by the DOE](#). Concept papers for funding are due by **January 12, 2024**.

**To discuss partnering with ESS to leverage GRIP programs, please contact**

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**Director of Global Partnerships**  
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We look forward to the opportunity to discuss how ESS Tech, Inc. can contribute to the success of your GRIP program endeavors.



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