



GRID RESILIENCE AND INNOVATION PARTNERSHIPS PROGRAM

Powering up Offshore Wind and Energy Storage in New England

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.

Power Up New England brings together New England states, ISO New England, public utilities, and an emerging technology developer to deploy an integrated portfolio of replicable, grid-benefitting technologies across the region. The project will include new and upgraded points of interconnection (POIs) for offshore wind and a multi-day energy storage system to increase electric reliability and resilience, diversify New England's resource mix, accelerate the region's clean energy transition, reduce energy burden on consumers, and deliver innovative models for further investments in New England and other regions.

Anticipated Outcomes and Benefits

Offshore wind interconnections to increase reliability and clean energy: Through new and upgraded transmission POIs in Massachusetts and Connecticut, the project will enable 4,800 MW of offshore wind—enough to power about 2 million homes. A switching station at the Connecticut POI will improve regional grid management, reducing outage risks and improving reliability across the region.

Reuse of fossil and brownfield sites: In Massachusetts, the project leverages the area around a former fossil fuel generating plant to support offshore wind interconnection. In Maine, an 85 MW multi-day energy storage system—the first of its kind in New England—will reduce curtailment of clean generation in a transmission-constrained area and provide four days of backup power while redeveloping a brownfield site.

Benefits to communities across New England: Power Up New England will help reduce wholesale energy costs borne by customers by up to \$1.55 billion per year. In addition, the project will create about 470 jobs and invest \$18.1 million in community benefits, including \$9 million in scholarships and internships and at least \$400,000 in grants to the Greater New England Minority Supplier Diversity Council. Each project within the Power Up New England portfolio will have a local community working group to work directly with communities.

Union and labor engagement: Technology vendors and contractors have or will negotiate Collective Bargaining Agreements, Community Workforce Agreements, and/or Project Labor Agreements to ensure quality, equitable jobs and workforce opportunities.

Project Details



- **Project:**
Power Up New England
- **Applicant/Selectee:**
Massachusetts Department of Energy Resources
- **GRIP Program:**
Grid Innovation Program
(Bipartisan Infrastructure Law, Section 40103(b))
- **Federal cost share:**
\$389,345,755
- **Recipient cost share:**
\$499,212,688
- **Project location:**
Massachusetts, Connecticut, Maine, Rhode Island, New Hampshire, Vermont
- **Project type:**
Transmission and Storage

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