



FACT SHEET

GRID RESILIENCE AND INNOVATION PARTNERSHIPS PROGRAM

Established by the Bipartisan Infrastructure Law, the U.S. Department of Energy's Grid Deployment Office is administering a historic \$10.5 billion investment via the Grid Resilience and Innovation Partnerships (GRIP) program to enhance grid flexibility, improve the resilience of the power system against growing threats of extreme weather and climate change, and ensure American communities have access to affordable, reliable, clean electricity when and where they need it.

SYSTEM HARDENING & RELIABILITY IMPROVEMENTS IN LAKE WORTH BEACH, FLORIDA

The City of Lake Worth Beach, Florida will install more than 60 reclosers and other sectionalizing devices to autonomously rebalance the electrical system, integrate battery energy storage (BES) for community solar, new fiber optics connections, install advanced metering infrastructure (AMI), and deploy a meter data management (MDM) system.

Anticipated Outcomes and Benefits

These five targeted improvements will transform the community's electrical grid and reduce its vulnerability to extreme weather events. These benefits include:

- › An estimated additional 7 MW of solar capacity.
- › Additional fiber optic communications to enhance grid integrity and reduce vulnerability to cyberattacks.
- › Fewer outages, more rapid restoration, decreased use of fossil fuels, proactive live engagement to detect potential issues by the system operators, and improved grid planning for future needs, utilizing analysis tools related to climate change and system load.

Additional anticipated benefits and impacts include:

- › Creation of 100–125 quality, high-paying, skilled, professional and STEM jobs and career opportunities, 10 of which are full-time positions.
- › Contracts for at least 10 small, local, minority, women, and/or veteran businesses.
- › Within four years of negotiated award, reduce outages in DAC areas by 50% compared to pre-project.
- › Enable Lake Worth Beach to retire a 35 MW fossil fuel power plant adjacent to the LWB Community High School to help reduce environmental exposure and burdens.

PROJECT DETAILS

- › **Project:**
System Hardening and Reliability Improvement Program (SHRIP)
- › **Applicant/Selectee:**
City of Lake Worth Beach
- › **GRIP Program:**
Smart Grid Grants (Bipartisan Infrastructure Law, Section 40107)
- › **Federal cost share:**
\$23,462,167
- › **Recipient cost share:**
\$23,462,167
- › **Project Location:**
City of Lake Worth Beach, Florida
- › **Project type:**
Visibility and Control

HELPFUL LINKS

- › [Grid Resilience and Innovation Partnerships Program](#)
- › [About the Grid Deployment Office](#)