



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.

UNLOCKING SYSTEM-WIDE DATA TO BUILD A MORE RESILIENT AND EQUITABLE GRID

Duquesne Light Company's (DLC) Grid Visibility Program (GVP) will deploy grid-enhancing technologies (GETs) that will increase system capacity and enhance the use of clean energy. The project will unlock additional clean energy generation and enable more resilient grid operations. By deploying GETs, DLC will implement an expedited, scalable, and affordable approach to meet objectives while the grid transitions to a cleaner energy mix to meet decarbonization targets, such as those established in Pennsylvania's Climate Action Plan.

Anticipated Outcomes and Benefits

- › Increase transmission system capacity using dynamic line rating (DLR) technology, as demonstrated by DLC in a previous limited implementation.
- › Improve system reliability and resilience by preventing faults using actionable real-time data and remote communications and controls.
- › Increase clean energy availability utilizing enhanced technology, which will provide provide more granular data regarding distributed energy resource performance that may improve the economics of clean energy technology.
- › Accelerate investment in disadvantaged and underserved communities thereby decreasing environmental exposure, mitigating energy cost increases, increasing jobs with family sustaining wages, job training programs, and reduced outage frequency and duration.
- › Supports the City of Pittsburgh's Climate Action Plan, while also improving resilience, increasing innovation, and promoting workforce development.
- › Create a Community and Workforce Coalition including community benefit organizations, International Brotherhood of Electrical Workers (IBEW), and local workforce training institutions.

PROJECT DETAILS

- › **Project:**
Grid Visibility Program (GVP): Unlocking System-Wide Data to Build a More Resilient and Equitable Grid
- › **Applicant/Selectee:**
Duquesne Light Company
- › **GRIP Program:**
Smart Grid Grants (Bipartisan Infrastructure Law, Section 40107)
- › **Federal cost share:**
\$19,724,715
- › **Recipient cost share:**
\$20,215,000
- › **Project Location:**
Pennsylvania (Allegheny County and Beaver County)
- › **Project type:**
Visibility and Control

HELPFUL LINKS

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