



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.

CREATING A RESILIENT, EQUITABLE, AND ACCESSIBLE TRANSFORMATION IN ENERGY FOR GREATER PHILADELPHIA

PECO Energy Company's (PECO) Creating a Resilient, Equitable, and Accessible Transformation in Energy for Greater Philadelphia (CREATE) Plan seeks to drive resiliency, reliability, and capacity improvements across southeastern Pennsylvania to improve the lives of citizens and businesses. The plan is comprised of seven grid components that will allow PECO to address time-sensitive climate resilience needs in light of recent weather events and maximize the impact of federal funding in this economic center, which serves the Delaware Valley metropolitan region of the U.S. CREATE components will address vulnerable areas of PECO's service territory that are susceptible to severe weather events that impact families, communities, and businesses. These solutions include substation flood mitigation, upgrading underground monitoring and control technologies, deploying battery systems for backup power, replacing aging infrastructure, and installing high-temperature low-sag conductors to increase capacity.

Anticipated Outcomes and Benefits

- › Reduce outages from flooding and heavy rain to substation switchgear building, control house, and critical spare power transformers during a 100-year or 500-year flood event.
- › Increase existing line ratings by over 50% while maintaining existing ground line clearance.
- › Protect continued operations at PECO's Storm Response Center during extreme weather events by enabling islanding mode and transitioning to backup power within one second.
- › Target 40% of localized, distribution grid benefits and climate resilience improvements will go toward customers in **disadvantaged communities** (DACs) in the City of Philadelphia and Delaware and Montgomery counties.
- › Establish a forum for continuous feedback and dialogue on project execution and PECO's overall engagement with its DACs by establishing an Environmental Justice Advisory Committee (EJAC) comprised of community-based leaders.
- › Union engagement, as PECO's approximately 1,300 non-management field craft personally and call center employees are represented by the International Brotherhood of Electrical Workers Local 614. Key contract partners, including minority- and women-owned vendors, also employ union labor.
- › Plan to work collaboratively with the Philadelphia Building Trades Council to ensure positions created through this investment provide good pay, benefits, and opportunities for training and skill development.
- › Contract with certified diverse vendors, including women-owned and minority-owned businesses.
- › Use of existing partnerships with training programs, pre-apprenticeship programs, and a local high school to provide training and resources to individuals from DACs, opportunity youth, and those facing other barriers to employment.
- › Support to the Clean and Resilient Community Schools partnership, which will drive the equitable, inclusive, and accessible deployment of clean and resilient energy technologies in DACs through public schools in these communities.

PROJECT DETAILS

- › **Project:**
Creating a Resilient, Equitable, and Accessible Transformation in Energy for Greater Philadelphia (CREATE)
- › **Applicant/Selectee:**
PECO Energy Company (PECO)
- › **GRIP Program:**
Grid Resilience Utility and Innovation Grants (Bipartisan Infrastructure Law, Section 40101(c))
- › **Federal cost share:**
\$100,000,000
- › **Recipient cost share:**
\$156,761,176
- › **Project Location:**
Pennsylvania
- › **Project type:**
System Hardening and Microgrid with Battery

HELPFUL LINKS

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