



March 10, 2023

Maria Robinson, Director
U.S. Department of Energy
Office of Clean Energy Demonstrations
Grid Deployment Office
1000 Independence Avenue, S.W.
Washington, DC 20585

Re: PPL Smart Grid Grants Letter of Support

Dear Director Robinson:

On behalf of the Pennsylvania Department of Environmental Protection (DEP), I am submitting this letter to express my support for Pennsylvania Power and Light Corporation's (PPL) proposed "Grid of the Future Project" (Project) submitted to the U.S. Department of Energy's (DOE) Grid Resilience and Innovation Partnership (GRIP) Smart Grid Grants program (Bipartisan Infrastructure Law section 40107, DE-FOA-0002740).

This Project will advance DOE's smart grid objectives by deploying a portfolio of hardware and software components that work seamlessly together to deliver grid flexibility to both the transmission and distribution systems. These modern and innovative technologies are industry-leading, cutting-edge solutions to develop a safer, smarter, and self-healing grid. Together, the implementation of these technologies will drive benefits in three key areas: reliability and resiliency customer benefits, decarbonization, and affordability.

The Project goals and objectives are well aligned with Pennsylvania's 2021 Climate Action Plan (CAP), which outlines strategies to meet greenhouse gas emissions reduction targets. PPL's project supports a cornerstone of the CAP—increasing clean electricity generation offering the greatest potential for emission reductions—by increasing adaptation to solar photovoltaics and other distributed energy resource technologies. Additional single-phase telemetered reclosures and predictive failure monitoring along with the new advanced management distribution system will allow for additional data inputs to safely and effectively operate a two-way power flow distribution system prepared for the future of microgrids and islanding in Pennsylvania. Through Predictive Failure Monitoring implementation, this Project will also help to mitigate the risk of utility interruption by catching issues before they cause an outage, which promotes Pennsylvania's energy resilience goals. Finally, the Project supports the energy security and resilience objectives in the DEP Energy Programs Office's Clean Energy Program Plan.

DEP fully supports PPL's efforts to seek funding from the GRIP Smart Grid Grants program and looks forward to the future collaborative engagement to ensure continued goal alignment. Please contact David Althoff, Director of DEP's Energy Programs Office at dalthoff@pa.gov or 717-783-8411 if you have any questions regarding DEP's continuing support of PPL's Project.

Sincerely,

A handwritten signature in blue ink that reads "Richard Negrin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Richard Negrin
Acting Secretary



To: US Department of Energy
Subject: BIL GRIP- Smart Grid Project Community Partnership Letter

Department of Energy,

We are writing to you in support of PPL Electric Utilities' Grid of the Future Project application for the Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnership (GRIP), Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740.

An emphasis of PPL's program is an IT upgrade and installation of new smart devices. This investment will enhance the reliability of its system throughout its twenty-nine-county service area. This important project will allow its system to adapt to changes on the grid like new solar generation, electric vehicles and increased storms due to climate change.

Based in Williamsport, PA, Pennsylvania College of Technology (Penn College), a special-mission affiliate of Penn State, is inspiring and preparing Tomorrow Makers – the next generation of industry leaders – with real-world experience and innovative spirit. We attribute this success to the valuable partnerships nurtured with industry experts that help students learn the necessary and technical skills that help maximize opportunities for students and provide what employers like PPL need in a productive workforce.

Toward this end, PPL and Penn College have partnered on various projects over the past few decades. Engineers from PPL have participated in the College's annual Science Fair to demonstrate the use of drones and infrared camera technology in the field. PPL representatives have also shared expertise and influence for curriculum as members of program advisory committees. Students and emergency responders learned valuable lessons about safety around electrical wires through the PPL traveling exhibit's visit to campus. Additionally, high school students earn college credits through the Penn College dual enrollment program, which is also supported by PPL.

If PPL Electric Utilities is successful in receiving funding to support IT upgrades and installing new smart devices, it creates additional opportunities for Penn College students. It is our pleasure to support PPL Electric Utilities' Grid of the Future Project application.

Sincerely,

Michael J. Reed, Ed.D.
President



March 14, 2023

To: US Department of Energy

Subject: BIL GRIP- Smart Grid Project Community Partnership Letter

Department of Energy,

The Greater Hazleton Chamber of Commerce is writing to you in support of PPL Electric Utilities Grid of the Future Project application for the Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnership (GRIP), Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740.

As a part of PPL Electric Utilities plan, they will be doing IT upgrades and installing new smart devices. The focus of this project will improve the reliability of the electric system directly affecting my organization and chamber members in the greater Hazleton community. Their project will allow their system to adapt to changes on the grid like new solar generation, electric vehicles and increased storms due to climate change.

The Hazleton Chamber of Commerce seeks to advance the commercial, professional, industrial and general interests of the greater Hazleton area. We have taken a leadership role in the enhancement of business and quality of life for over 130 years. A reliable electric service is critical to attracting and sustaining business and we have collaborated with PPL for decades on many initiatives. PPL's has always been a key business leader in our community through active participation on our Board Of Directors and PPL supporting marketing efforts for new business as well as working with existing business to ensure successful operations across a wide continuum of industries. PPL has always worked to enhance the physical, social, educational and cultural elements of the Hazleton, a federally disadvantaged community, through financial and programmatic support.

The project paves the way for the future progress in one of the fastest growing economic regions in the Commonwealth of Pennsylvania. We will continue to collaborate with PPL to hold meetings to keep their customers and our members informed of the work they will be completing through this critical federal funding.

Sincerely,

A handwritten signature in blue ink that reads "Mary".

Mary R. Malone
President

To: U.S. Department of Energy
Grant Review Committee

Date: March 14, 2023

Subject: BIL GRIP- Smart Grid Project Community Partnership Letter

Johnson College is pleased to lend enthusiastic support of PPL Electric Utilities' Grid of the Future Project application for the Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnership (GRIP), Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740.

As a part of PPL Electric Utilities plan, Johnson College will be performing IT upgrades and installing new smart devices. This project will improve the reliability of the electric system directly impacting the College. The proposed project will allow the campus system to adapt to changes on the grid like new solar generation, electric vehicles, and increased storms due to climate change.

Johnson College is a private, accredited technical college in Northeastern Pennsylvania with campuses in Scranton and Hazleton, offering 17 associate degree and 4 academic certificates focused on providing students with technical skills and general education needed to succeed in a demanding, industry-driven world. We have partnered with PPL on several educational and technical programs that support regional workforce needs including STEM pipeline programming for future workforce growth. In support of this application, we will explore the opportunity to create career pathway programs, especially related to vehicle electrification and maintenance, support mentoring programs between PPL and our students, and have project team members present in classes that are related to the electric/energy industry.

Thank you for consideration of PPL Electric Utilities' proposal and the benefits the project will bring to our region.

Sincerely,



Katie Leonard, Ed.D.
President & CEO





March 13, 2023

To: US Department of Energy

Subject: BIL GRIP- Smart Grid Project Community Partnership Letter

Department of Energy,

We are writing to you in support of PPL Electric Utilities Grid of the Future Project application for the Bipartisan Infrastructure Law (BIL) Grid Resilience and Innovation Partnership (GRIP), Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740.

As a part of PPL Electric Utilities plan, they will be doing IT upgrades and installing new smart devices. The focus of this project will improve the reliability of the electric system directly impacting my organization. Their project will allow their system to adapt to changes on the grid like new solar generation, electric vehicles, and increased storms due to climate change.

As a PBS member television station serving northeast Pennsylvania, we will be partnering with PPL to explore ways to highlight this project in the community. We have the expertise and equipment to create and distribute a video that allows PPL to share the advancements of this project, made possible by the DOE and BIL, with their customers via website and television within one year of receiving funding.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Carla McCabe'.

Carla McCabe
President & CEO