



Pennsylvania Energy Development Authority Board Meeting

Monday, November 30, 2020



Agenda

- I. **Call to Order and Roll Call**
- II. **Approval of August 2020 Meeting Minutes**
- III. **Executive Director**
- IV. **Financial Update**
- V. **Public Comment**
- VI. **Restart Grant Awardees**
- VII. **Green Bank Update**
- VIII. **Other Business**
- IX. **Adjourn**

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Approval of Meeting Minutes

- Review August 2020 Meeting Minutes
- Questions/Discussion
- Edits
- Approve

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Financial Update

Growing Greener Fund – \$50 Million

- Expenditures: \$48,283,960
- Commitments: \$0
- Available balance: **\$1,716,040**

Energy Development Funds (PEDA) – \$3,535,894

- Withdrawal: \$1,000,000
- Expenditures: \$981
- Commitments: \$499,913*
- Available balance: **\$2,035,000**

**This includes the Hydro Green commitment but does not include the \$2.5 million conditionally authorized for award to Treasury.*

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Restart Grant Solicitation - Recap

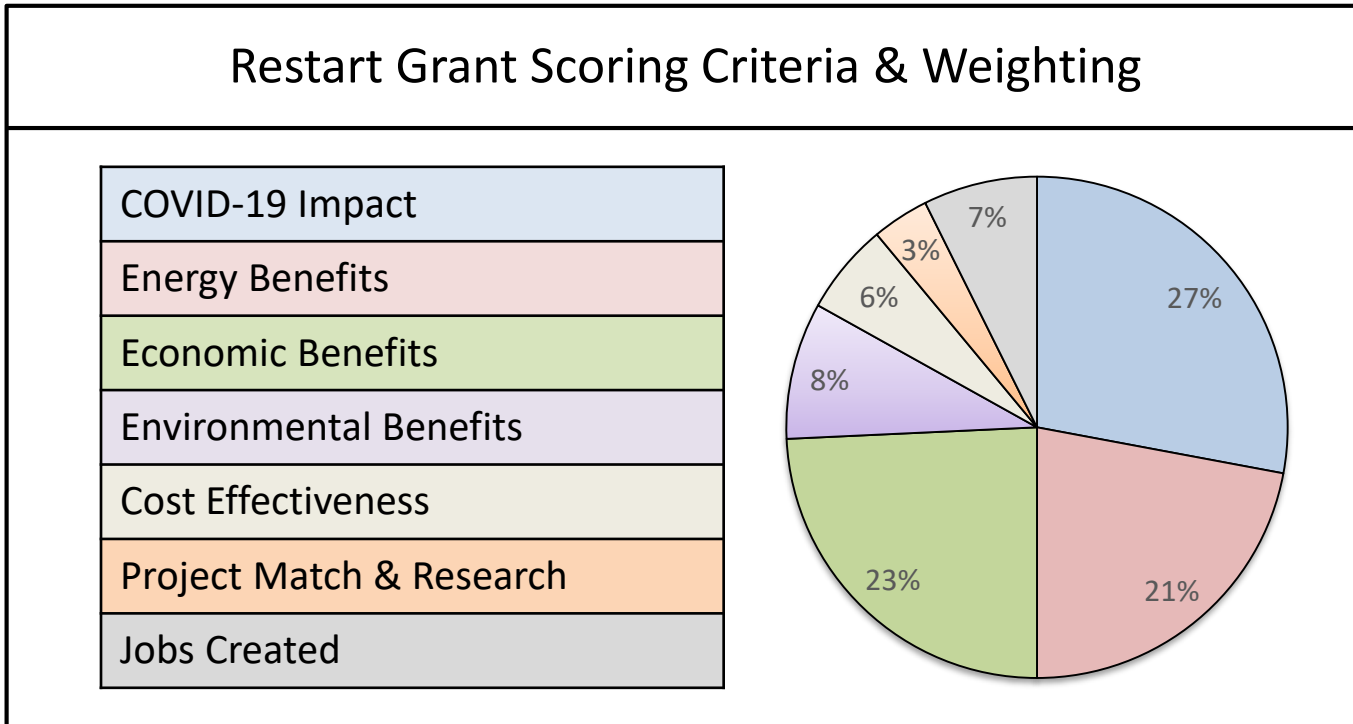
- Offering Assistance to Energy Projects to Restart/Recover from COVID-19:
 - Maximum \$2 Million available
 - Max \$250,000 per grant award. (Match 1:1 ratio)
 - Eligible projects initiated or planned to begin but then disrupted.
 - Grant awards may be applied retroactively towards costs or for working capital towards efforts to complete existing projects, or begin projects planned prior to the COVID-19 Emergency Declaration.
 - Clean, advanced energy projects, as well as businesses conducting manufacturing or production operations in Pennsylvania.

Restart Grant Solicitation - Scoring

- Developed comprehensive scoring methodology with thorough review process that included:
 - Two phase review process with an initial eligibility screening followed by detailed quantitative scoring analysis.
 - Three different initial scoring teams, management review, and senior DEP leadership review.

Restart Grant Solicitation - Scoring

- Developed comprehensive scoring methodology that captured intent and guidelines of grant solicitation.



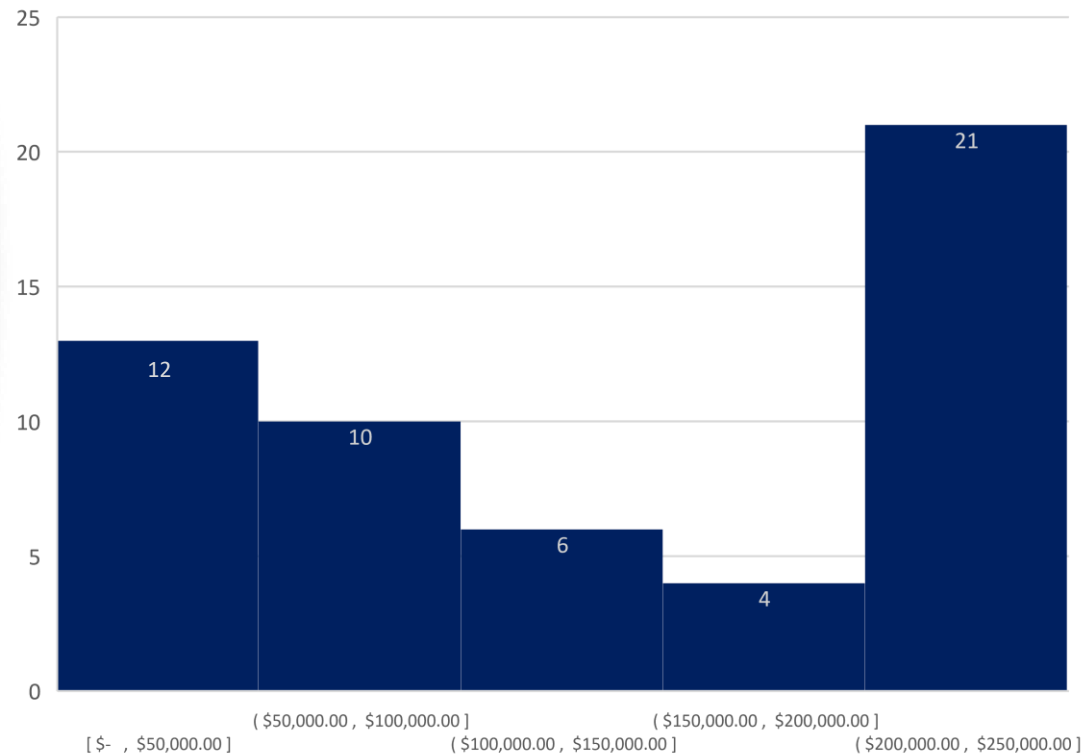
Overview of Project Applicants

Restart Grant Applicants - Overview

Received **53** applications between August 17th and October 2nd.

- Grant requests ranging from \$7,000 - \$250,000.
- Applicants from 27 different counties across Pennsylvania.

Distribution of Requested Grant Amounts

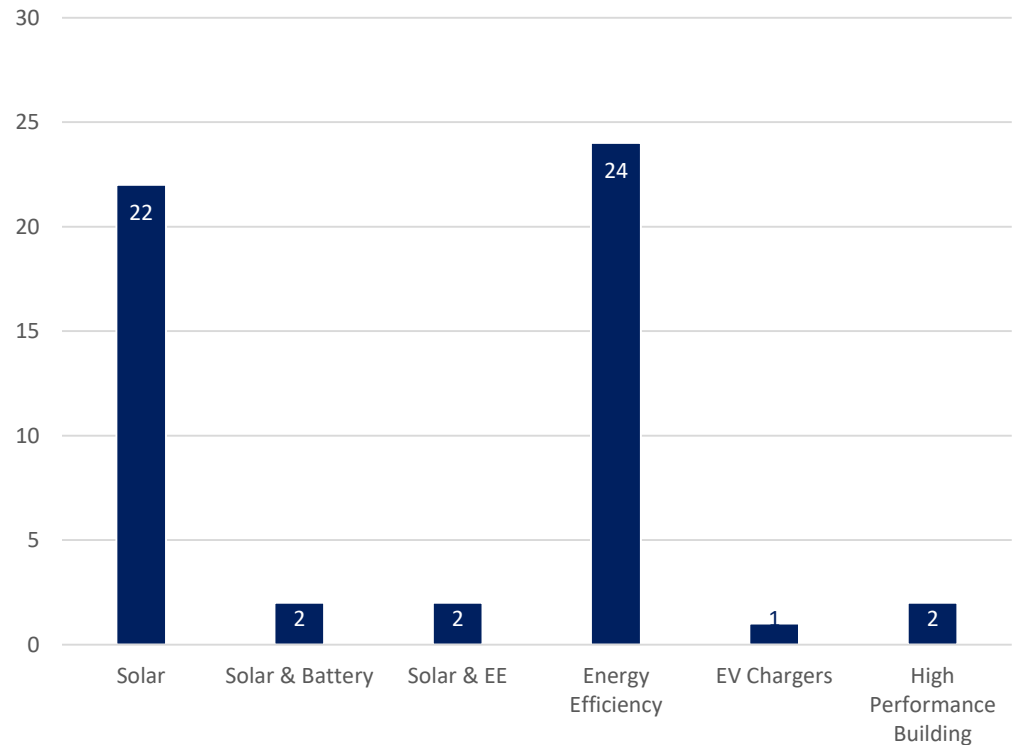


Restart Grant Applicants - Overview

Solar & Energy Efficiency dominated the technologies.

- Energy efficiency projects included lighting, HVAC equipment, insulation, and building envelope technologies.
- Solar projects were mostly roof mount with a few large ground mount systems.

Project Applicant by Technology

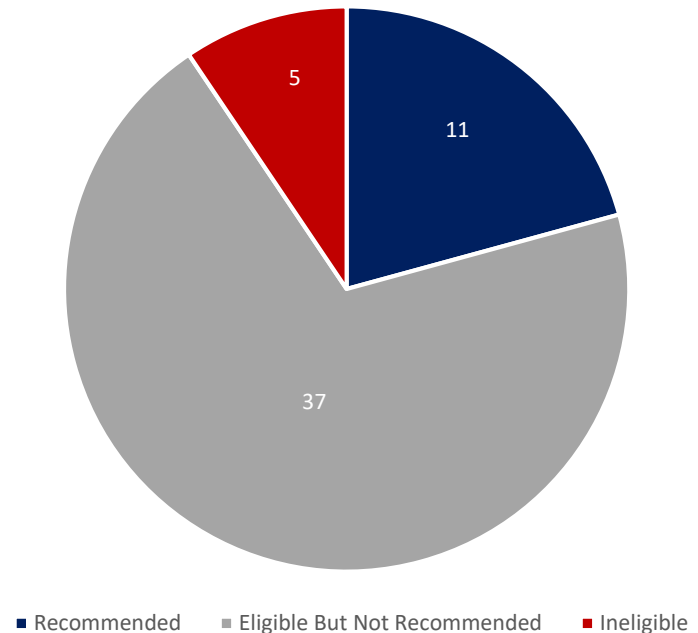


Restart Grant Applicants - Overview

Recommend that 11 projects receive a total award of \$1.71 million.

- Initial project screening discovered that 5 projects were ineligible due to various reasons, mostly ineligible use of funds.
- The 48 eligible projects were reviewed and scored by three scoring teams, Acting PEDDA ED, and DEP leadership.

Summary of Project Applicants



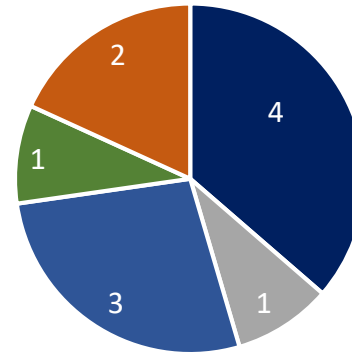
Overview of Recommended Projects

Recommended Projects

Recommended projects consist of representative blend of technology.

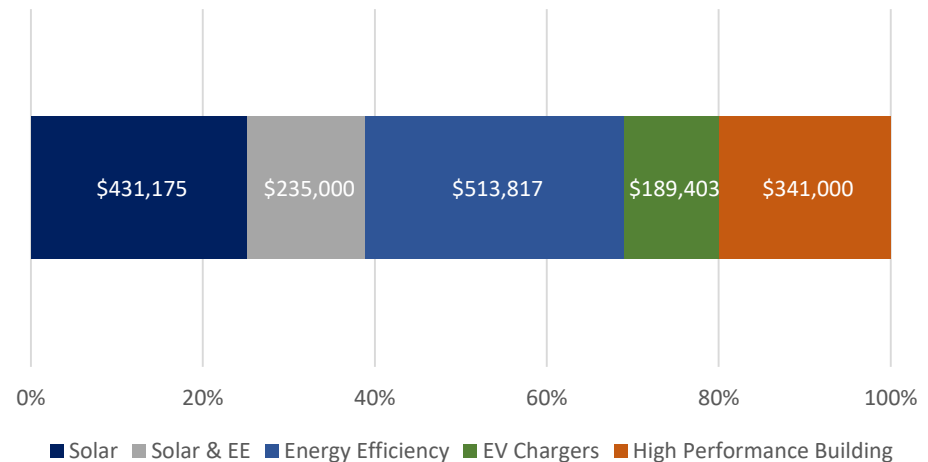
- Project awardees include 5 businesses, 2 municipalities, 2 school districts, and 2 nonprofits.
- Project grants will leverage nearly \$6 million in project match.

Summary of Recommended Projects by Technology



■ Solar ■ Solar & EE ■ Energy Efficiency ■ EV Chargers ■ High Performance Building

Summary of Recommended Awards by Technology

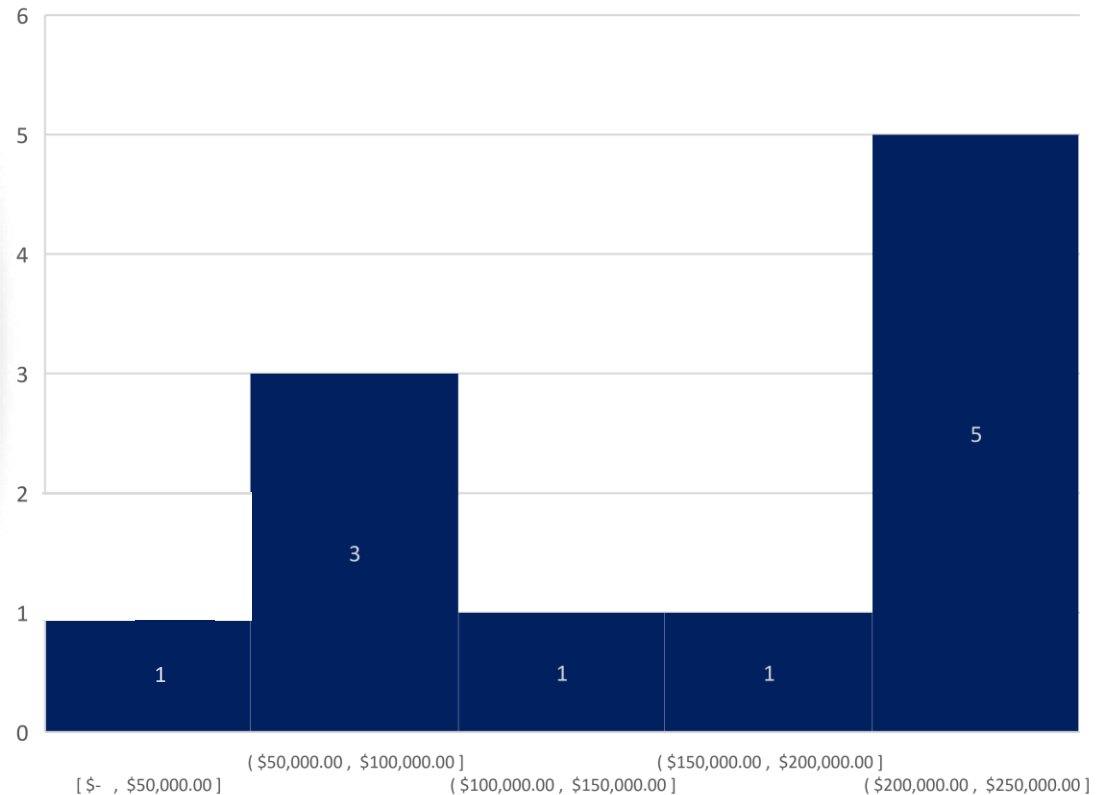


Recommended Projects

Recommended awards range reflect mix of small and large grants.

- Grant awards range from \$24,000-\$250,000.
- Recommended awardees span 8 counties across the Commonwealth.

Distribution of Grant Award Amounts



Recommended Solar Projects

Phoenix Contact Solar Energy Project

- This project will consist of 961 kW solar PV array on the roof of a Logistics Center, providing 40% of demand with renewable energy. This project will support STEM, internships, and apprentice programs to educate youth, prospective engineers, and technicians about clean renewable energy technology.
- Possess interconnection agreements and some permitting but work on project was stopped when PA entered Red Phase of pandemic response.
- \$250,000 grant request.

Erie Central Fire Station Solar Project

- The City of Erie will install a PV electric system for the Erie Central Fire Station. This will be the City's first publicly-owned solar project.
- The City has completed the groundwork and was moving into the implementation phase when the shutdown started in March. City has portion of funding secured but they lost a key funder and will need PEDDA grant for project to move forward.
- \$24,375 grant request.

Kreider Property Improvements Roof Mount Solar Project

- John Kreider JR will install a 89.6 kW Solar project on the roof of their property.
- The company signed a contract to begin installation in the spring of 2020 before being interrupted by pandemic shutdowns.
- The company lost all rental income in spring months and significant income reductions in 2020. Project will not be able to occur without this grant, and project will lower operating costs for this small business and improve financial position.
- \$60,800 grant request.

K.C. Mechanical Service Inc. Roof Mount Solar Project

- This small business signed a contract to install a 112 kW solar project.
- Project was expected to begin over the summer of 2020 but was interrupted by the pandemic shutdowns.
- Business experienced over 50% decrease in net income in 2020 and without this grant, will not be able to complete project.
- Funds from project will be critical in lowering operating costs.
- \$96,000 grant request.

Recommended Solar & EE Project

Phipps Conservatory and Botanical Gardens: Alternative and Net-Positive Energy Project

- The proposed Alternative and Net-Positive Energy Project includes rooftop 27.72 kW Solar Energy system, solar-powered, energy-efficiency climate control in the three-story public exhibit atrium of the Living Building Challenge Center for Sustainable Landscapes, and selected energy efficient equipment installations.
- The nonprofit has experienced significant financial strain due to limitations from COVID-19 restrictions. The funds will not only allow them to resume the project but also continue to be used as a sustainability showcase with educational benefits.
- Phipps is a sustainability showplace with a tremendous track record of being cutting edge and educating the public in a manner that benefits the community and fits PEDAs mission.
- \$235,000 grant request.

Recommended Energy Efficiency Projects

Palmerton Area School District

- This project will be an update to PASD building windows and doors. The school's failing window system has been pushed to lower priority given the financial strain caused by COVID-19. This project will pay for itself and more during its lifespan.
- Project was approved by the School Board and was in final design phase in February before being put on hold in March.
- Funding will allow the project to be completed by June 2021 and maximize savings for next year's budget.
- \$250,000 grant request.

Town Real Estate: Omega and Southpointe Renovation Restart

- The Omega Corporate Center and Southpointe Plaza are large commercial office space that are both in need of EE improvements.
- Both projects were in the middle of implementation when the stay-at-home orders were put in place, causing significant disruption and a pause on the project.
- The grant will assist in recovering significant losses due to the rapid change to workflow and added costs of developing and enforcing health and safety protocols. The ownership team is committed to advancing both projects together to reduce energy use and improve environmental benefits.
- \$59,054 grant request.

Port Allegany School District

- The school district is seeking funds to complete a lighting retrofit project (with small component for refrigeration controls) in time to qualify for an Act 129 Phase III rebate program.
- Contractors were unable to complete a design due to COVID-19. The district had a deficit of \$83,500 in 2018/19 and the 2020/21 budget projects a deficit of \$1,395,618. Without these PEDA funds, the project will not occur.
- PEDA funds will help to expedite this project to complete the work before the Act 129 Phase III Rebate program is closed on 05/31/21.
- \$204,763 of eligible costs to be awarded.

Recommended EV Charger Project

City Of Pittsburgh: Level 2 Chargers

- City will install 30 level 2 plugs at Second Avenue Parking Lot. This lot is where 40 City building inspection fleet vehicles currently park, and to where 30 more fleet vehicles are planning to be moved in early 2021. The City currently has a total of 26 EVs and only 9 grid-tied level 2 EV plugs and 10 solar plugs. The remaining 44 vehicles to be parked there will be converted to electric as they come up for replacement.
- Due to COVID-19, Parking Authority revenue was heavily impacted as commuters began to transition to remote work. The Parking Authority has since experienced multiple rounds of layoffs and froze all capital spending, including the funding they were going to commit for this project.
- The City moved forward with developing drawings for the site and attempted to find funding from other sources. In addition, the projected costs of the project unexpectedly increased and has rendered the project untenable without the Parking Authority's support or this grant.
- \$189,403 grant to be awarded.

Recommended High Performance Building Projects

63 Fraley Street, LLC: Kane Passive House

- The Kane Passive House is an advanced energy project that is focused on renovating a vacant three-story building into an ultra-energy efficient showcase using Passive House high performance building standards. The project is being developed by 63 Fraley Street, LLC in collaboration with the West Penn Power Sustainable Energy Fund.
- Specific project goals include demonstrating Passive House construction in a rural community, utilizing local building materials and labor and to work with the Kane Borough to showcase the economic, environmental, and educational aspects of project.
- The design process and construction planning began to ramp up in early 2020 until these efforts were negatively impacted by the COVID-19 pandemic. The initial construction start date was March 2020 but was delayed. In addition to the construction delay, material availability and pricing have been problematic as the construction industry supply chain was impacted by the pandemic.
- \$225,000 grant request.

Highlights Foundation: Boyds Mills Net Positive

- The Boyds Mills Net Positive project will accomplish Net Zero energy through a combination of renewable energy production, energy conservation, technological monitoring and control of micro-grid, and will include educational component. In total, this project calls for deployment of 102kw PV, 23 mini-split heat pump units, and a cloud-based micro-grid management system to monitor and control energy usage dynamically over time.
- The nonprofit has been able to perform significant detailed planning and completed the first phase of the project—a 32Kw PV grid-tied system and installation of smart thermostats, but their new capital campaign for installing the mini-split heat pumps was stalled when COVID-19 restrictions were implemented.
- Highlights Foundation operates a retreat center dedicated to teaching adults how to write and illustrate books for children.
- \$116,000 grant request.

Questions & Discussion

Restart Grant Solicitation

- Next Steps:
 - ✓ Approval of PEDDA Board
 - ✓ Announce solicitation
 - ✓ Receive electronic applications
 - ✓ Review applications
 - Board meeting to vote on awards
 - Execute grant agreements
 - Disburse funds

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Other Business

- Update on recent reports
- Other New Business as Identified by Board Members

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