

# Pennsylvania Energy Development Authority Board Meeting

Tuesday, May 3<sup>rd</sup>, 2022



# Agenda

- I. Call to Order and Roll Call
- II. Approval of October 2021 Meeting Minutes
- III. Financial Update
- IV. Public Comment
- V. Clean Energy Financing Product Administrator Selection
- VI. Brief PEDDA Updates
- VII. Federal Infrastructure Opportunities
- VIII. Other Business
- IX. Adjourn

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# Approval of Meeting Minutes

- Review October 2021 Meeting Minutes
- Questions/Discussion
- Edits
- Approve

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# Financial Update (As of 3/31/22)

## Energy Development Funds (PEDA) – \$2,737,317

- Interest Income YTD: \$63,644
- Expenditures YTD: \$47,427
- Commitments:
  - Hydro Green: \$499,913
- Available balance: **\$2,348,475**

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# PEDA Updates & Activities

## 1. Hydrogreen Project Update



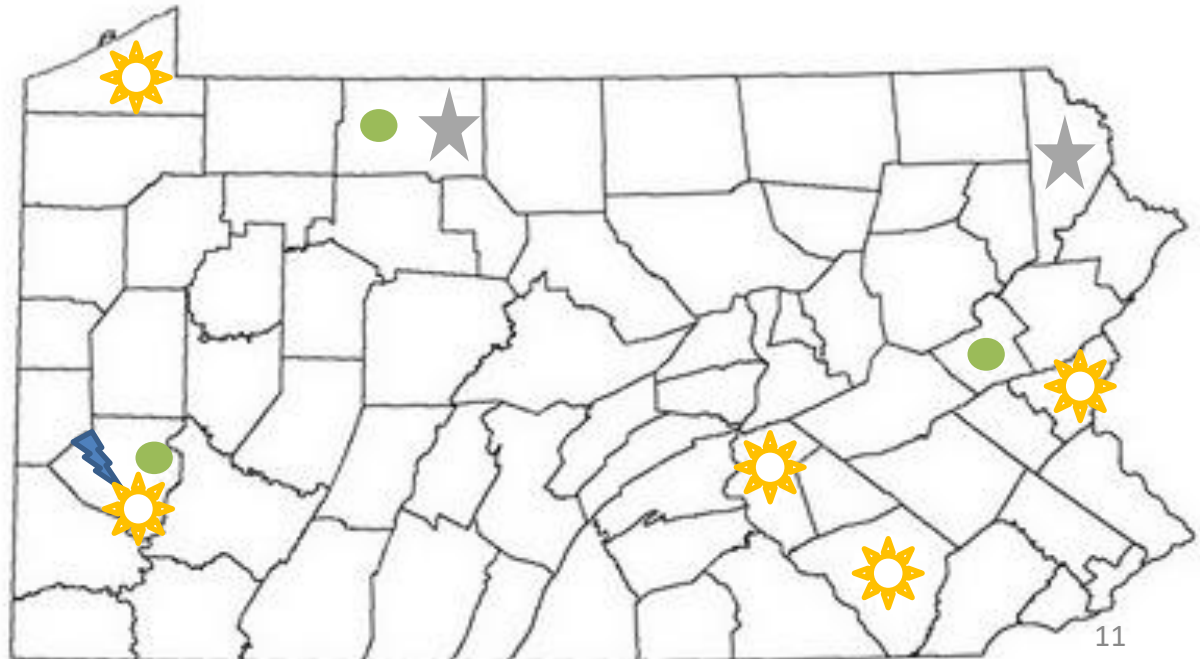
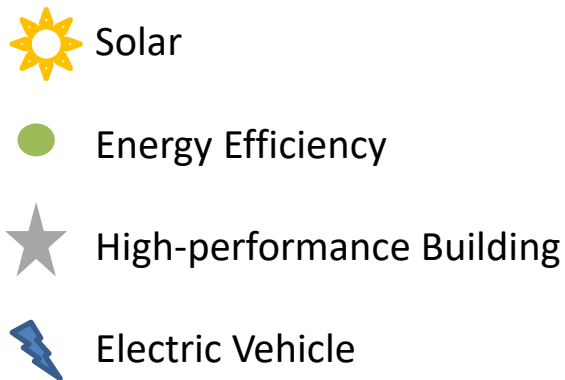
## 2. EOS Battery Manufacturing Plant Tour

<https://www.energy-storage.news/zinc-battery-storage-player-eos-confirms-start-of-expansion-at-pittsburgh-factory/>



# Restart Grant Update

- Awarded \$1.71 million to 11 clean energy projects impacted by COVID-19.
- Project awardees include 5 businesses, 2 municipalities, 2 school districts, and 2 nonprofits.
- Project technologies included energy efficiency, solar energy, high-performance building, and electric vehicle charging projects
- Project grants leveraged over \$5 million in project match.



# Restart Grant Update

Project Title	Project Type	Awarded Grant	Energy Savings (kWh/YR)	Energy Generation (kWh/YR)	Project Status
Phoenix Contact Development and Manufacturing Inc.	Solar PV	\$250,000.00	N/A	1,304,839	100%
City Of Pittsburgh	EV Charging Stations	\$189,403.00	N/A	N/A	100%
Palmerton Area School District	Energy Efficiency	\$250,000.00	158,551	N/A	100%
City of Erie	Solar PV	\$24,375.00	N/A	22,130	30% (8/1/22)
Town Real Estate Enterprises, LLC	Energy Efficiency	\$59,054.00	16,287	N/A	100%
Port Allegany School District	Energy Efficiency	\$204,763.00	368,016	N/A	100%
63 Fraley Street, LLC	High performance building	\$225,000.00	80,771	44,446	60% (6/30/22)
Phipps Conservatory and Botanical Gardens	Solar PV	\$235,000.00	14,600	30,000	10% (10/31/22)
Highlights Foundation	Net Zero Building	\$116,000.00	21,601	127,296	95% (5/31/22)
John Kreider JR DBA Kreider Property Improvements	Solar PV	\$60,800.00	N/A	95,398	100%
Kevin & Joan Correll DBA K.C. Mechanical Service Inc.	Solar PV	\$96,000.00	N/A	129,262	100%



# Project Spotlight: Phoenix Contact



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# Bipartisan Infrastructure Law

*Signed into law on November 15, 2021*

Allows for \$1.2 trillion in government spending, including:

- ✓ **\$62 billion in clean energy related federal funds to be administered by U.S. Department of Energy**
  - Pennsylvania expected to automatically receive hundreds of millions of dollars, with opportunities to apply for more.
  - DOE's definition of clean energy: *Responsible development of all of America's rich energy resources—including solar, wind, water, geothermal, bioenergy & nuclear.*
  - Other federal agencies (Environmental Protection Agency, Transportation, etc.) will administer additional energy-related programs.

# IIJA – PEDA Opportunities

1. **Apply for competitive opportunities** offered by DOE to create or expand clean energy programs for Pennsylvania;
2. **Provide support to other funding applicants** within Pennsylvania via partnerships, letters of support, or financial match;
3. **Share federal funding opportunities** PEDA isn't eligible for with potential applicants to ensure Pennsylvania businesses, schools, communities, and nonprofits are aware of and competing for clean energy investments.



# Grants to State Energy Offices

DEP Energy Office will receive approximately \$27 million total from these programs:

## **State Energy Plan:**

- \$18.5 million to help implement programs and initiatives to address energy efficiency and renewable energy sources—energy emergency and resilience planning, industry, buildings, transportation, electric power and renewable energy, energy education, and policy, planning, and energy security.

## **Energy Efficiency and Conservation Block Grant Program:**

- \$4.7 million to support small local governments and nonprofits programs with grants/rebates/financing for energy efficiency, renewable energy, and zero-emission transportation.

## **Energy Efficiency Revolving Loan Fund:**

- \$3.7 million in new funding to capitalize or support a revolving loan fund for commercial & residential energy efficiency loans and audits.

# Opportunities to Apply/Partner

- **EV Charging Program:** \$5 Billion via formula - PennDOT \$172 million
- **Weatherization Assistance Program:** DCED - \$223 million
- **Grid Reliability and Resiliency:** \$2.5 billion via formula, \$2.5 billion competitive - Unclear which agency will receive this funding;
- **Smart Manufacturing Technology Program:** \$50 million competitive nationally. Up to \$2 million per state, DCED likely applicant
- **Building Codes Assistance/Training:** \$225 million State Energy Offices can apply in partnership with other eligible entities to support energy code workforce development.
- **Energy Auditors Training Program: \$40 Million** Only State Energy Offices can apply to provide energy auditor training assistance.

# Opportunities to Apply/Partner

- **Energy Infrastructure Federal Financial Assistance Program:** \$5 billion or more for transmission, storage, and distribution hardening and regional grid resilience.
- **Charging and Fueling Infrastructure:** \$2.5 billion FY22-26 for Grants to state, local, and public entities to install alternative fuel infrastructure along Federal Highway Administration-designated Alternative Fuel Corridors.
- **Battery Recycling R&D Grants to States:** \$60 million for battery recycling research, development, and demonstration programs (states eligible).
- **Regional Clean Hydrogen Hubs** - \$8 billion Dedicated to establishing four diverse hubs; fossil fuels, nuclear, renewable; industrial, commercial transportation etc.
- **Clean Hydrogen Manufacturing and Recycling** - \$500 million, considerable potential in Pennsylvania
- **Air Capture Hubs** - \$3.5 billion Dedicated to establishing four hubs; at least two must be in fossil fuel communities.

# Opportunities to Share/Support

- **Energy Improvement in Rural or Remote Areas, and Energy Infrastructure Resilience Framework:** (\$1 billion FY22-26)
- **Grants for energy efficiency improvements and renewable energy improvements at public school facilities:** (\$500 million FY22-26)
- **Energy efficiency materials pilot program:** (\$50 million FY22-26)
- **Electric or Low Emission Ferry Pilot Program:** (\$250 million FY22-26)
- **Reduction of Truck Emissions at Port Facilities:** (\$250 million FY22-26)
- **Port Infrastructure Development Program:** (\$2.25 billion)
- **Expansion of Industrial Assessment Centers:** (\$550 million FY22-26)
- **Hydroelectric incentives:** (\$200 million FY22)

# Questions & Discussion

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