Pennsylvania Energy Development Authority Board Meeting

Tuesday, May 3\textsuperscript{rd}, 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 PEDA Updates
VII. Federal Infrastructure Opportunities
VIII. Other Business
IX. Adjourn
I. Call to Order and Roll Call

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Approval of Meeting Minutes

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

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

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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.
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.
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 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)
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