

The Metropolitan Edison Company/Pennsylvania Electric Company

# SUSTAINABLE ENERGY FUND

## Report of 2013 Activities

January 19, 2014





## Fund Purposes

1. The development and use of renewable and clean energy technologies
2. Energy conservation and efficiency
3. Sustainable energy businesses
4. Projects that improve the environment in the Metropolitan Edison Company/Pennsylvania Electric Company service territories, as they relate to the companies' transmission and distribution facilities





## 2013 Advisory Committee Members

<b>Mr. John Ubinger, Jr.</b>	<b>Pennsylvania Environmental Council</b>
<b>Ms. Marybeth Smialek</b>	<b>FirstEnergy</b>
<b>Mr. Frank D. Plank</b>	<b>Knouse Foods Cooperative, Inc.</b>
<b>Mr. Brian Vayda</b>	<b>American Powernet</b>
<b>Ms. Beverly Weaver</b>	<b>Erie County Housing Authority</b>
<b>Mr. Greg Winger</b>	<b>First National Bank of PA</b>
<b>Mr. Joseph Jacobsen</b>	<b>Pittsburgh Gateway's Energy Innovation Center</b>
<b>Mr. Brian Hill</b>	<b>Richard King Mellon Foundation</b>





## Staff

**Mike Kane**

**Angie Berzonski**

Penelec Sustainable Energy Fund  
Community Foundation for the Alleghenies



**Heidi Williamson**

Met Ed Sustainable Energy Fund  
Berks County Community Foundation



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**Scott Gebhardt**

Pennsylvania Public Utilities Commission



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- Developed RFP for new Energy Audit program
- Supported launch of Green Building Alliance's Northwest affiliate in Erie
- Meetings with economic development councils
- Presented Fund's opportunities, mission, and history as part of Grantmakers of Western Pennsylvania panel discussion
- Developed promotional brochure
- Site visits for potential grants and investments
- Presentations to various businesses, nonprofits and municipalities



## **2013 Approvals**

From January 1, 2013 – December 31, 2013, the funds approved financing totaling **\$1,314,443**.

Of that total, \$264,443 was authorized for **9 grants** and \$1,050,000 was authorized for **2 loans/investments**.



## Since Inception

The Met-Ed/Penelec SEF has approved:



- **122 grants** totaling **\$2,606,518**
- **36 loans** totaling **\$21,543,724**
- **3 equity investments** totaling **\$1,600,000**



## 2013 Grants

Project	Amount	Comments
Leg Up Farm	\$25,000	Solar panel installation
MAREA	\$25,000	Solar hot water system
Reading Rising Park	\$14,421	Solar lighting
Oley Valley H.S.	\$6,022	Lab equipment for energy demonstrations
Somerset County Campus Foundation – ACM	\$25,000	Energy efficiency lighting upgrades
PA Environmental Council	\$35,000	Small-hydro general permitting program
10 Nonprofits TBD through RFP process	\$100,000	Energy Audit Program
Pittsburgh Zoo's International Conservation Center	\$9,000	Upgrades to biomass furnace
Greater Johnstown YMCA	\$25,000	Energy efficiency upgrades



## 2013 Loans/Investments

Project	Amount	Comments
Pittsburgh Gateways	\$550,000	Line of credit for Energy Innovation Center, LEED-Platinum construction
Green Gas Pioneer Crossing	\$500,000	Installation of a methane-to-gas generator



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## CEWA





## Leg Up Farm





## Leg Up Farm





# Energy Audit Program





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## Energy Audit Program





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# SUSTAINABLE ENERGY FUND



## Energy Audit Program





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# Energy Audit Program







## **Energy Audit Program**

- ✓ Sovereign Center
- ✓ Animal Rescue League
- ✓ Greater Berks  
Development Fund's  
Gateway Building
- ✓ Sovereign Performing  
Arts Center
- ✓ Arcadia Performing Arts  
Theater
- ✓ Hollidaysburg YMCA
- ✓ Cambria County War  
Memorial
- ✓ United Way of  
Mifflin/Juniata
- ✓ The Learning Lamp



## Energy Innovation Center





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**SUSTAINABLE ENERGY FUND**



# Energy Innovation Center



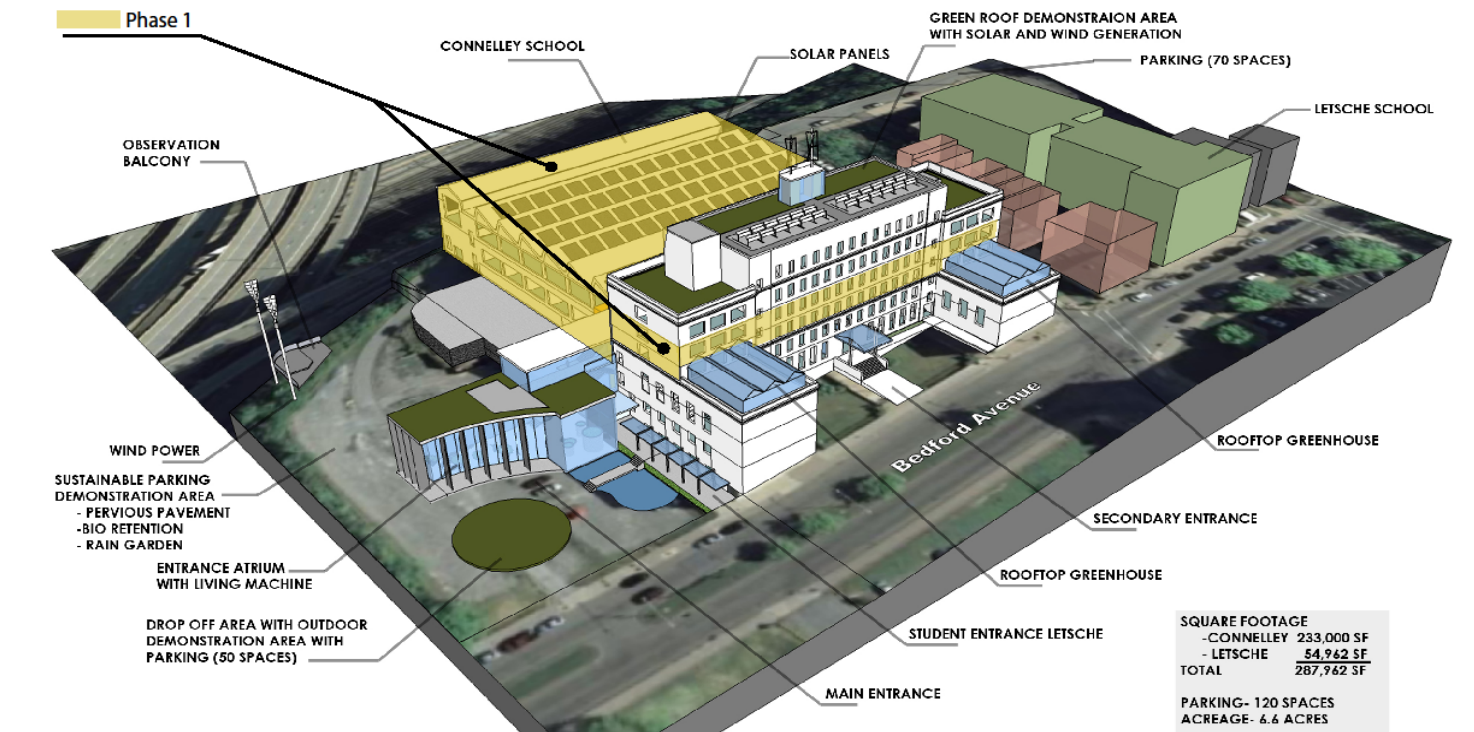


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## Energy Innovation Center



Pittsburgh Gateways



DIASTORINO HORIZON  
ARCHITECTS



K. J. ASSOCIATES  
ARCHITECTS, INC.



CJL ENGINEERING

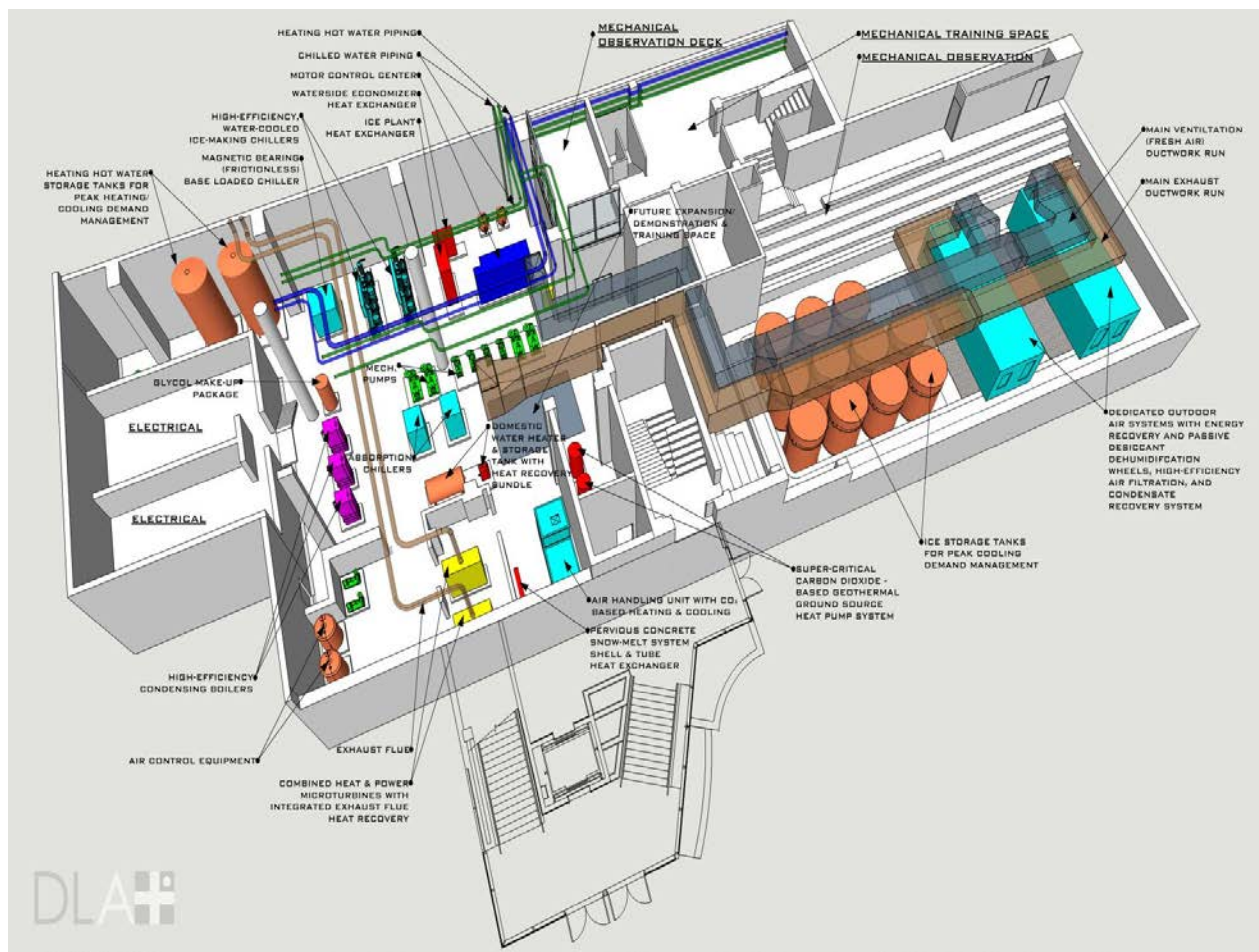


## Energy Innovation Center





# Energy Innovation Center





## Erie City School District “E2 Plan”

- \$29,800 grant to the Erie City School to plan and implement a comprehensive, education-based energy conservation program utilizing various resources, including the national Energy Star program.





## Erie City School District “E2 Plan”

- Educated school district faculty, staff, administration and students about resource conservation, particularly electrical reduction.
- School board passed energy guidelines and student audits district-wide the following year showed improved Energy Star ratings at each building.
- Energy Leadership Award for more than 20% overall reduction.





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## Erie City School District “E2 Plan”

- Electricity saved: 1,540,957 Kwh/yr
- Natural gas saved: 34,335 Mcf/yr
- Energy cost savings: \$370,993/yr
- NOx reduction: 101 lbs/yr
- Sox reduction: 15,324 lbs/yr
- CO2 reduction: 6,000,572 lbs/yr
- Hg reduction: .09 mg/yr
- CH4 reduction: 828 lbs/yr
- Number of PA citizens directly educated: 13,325





## **2014 Business Plan**

- **Goal 1:** Develop sustainable and/or renewable energy projects that can be funded in the calendar year 2014.
- **Goal 2:** Use strategic grantmaking to fulfill the fund's conservation and environmental goals, including educational programs and the promotion of energy efficiency in non-profit, governmental, school district and commercial buildings.
- **Goal 3:** Place up to \$1,500,000 in investments in qualifying projects. These investments may be used to fund performance-based loans that allow for the implementation of renovations in non-profit, governmental and commercial buildings where a significant reduction in kilowatt hours drawn from the grid is anticipated.





## 2014 Business Plan

- **Goal 4:** To participate in the relevant activities of state, regional and national sustainable energy fund networks.
- **Goal 5:** To maintain a website that promotes the fund, educates the public and offers insights into alternative energy.
- **Goal 6:** To maintain the due-diligence program established with Kutztown University's Small Business Development Center for alternative energy companies and projects.





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[www.metedpenelecsef.org](http://www.metedpenelecsef.org)

January 10, 2013