

The Metropolitan Edison Company/Pennsylvania Electric Company

# SUSTAINABLE ENERGY FUND



## Report of 2016 Activities

February 9, 2017

# Our Mission is to Promote:

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1. The development and use of renewable and clean energy technologies;
2. Energy conservation and efficiency;
3. Sustainable energy businesses;
4. And 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.

# 2016 Advisory Committee Members

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Mr. John Ubinger, Jr.	Advisor to Environmental Nonprofit Organizations
Ms. Marybeth Smialek	FirstEnergy
Mr. Frank D. Plank	Knouse Foods Cooperative, Inc.
Mr. Brian Vayda	American Powernet
Ms. Beverly Weaver	Erie County Housing Authority
Mr. Greg Winger	First National Bank of PA
Mr. Brian Hill	Richard King Mellon Foundation
Mr. Chady Zablit	Phoenix Technology Holdings

# Staff

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**Mike Kane**

**Angie Berzonski**

Penelec Sustainable Energy Fund

Community Foundation for the Alleghenies



**Heidi Williamson**

Met Ed Sustainable Energy Fund

Berks County Community Foundation



**Scott Gebhardt**

Pennsylvania Public Utilities Commission

# Sample Activities

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- Panelist for Carnegie Mellon University's Energy Week
- Judge for the Energy Sprout Competition, spearheaded by the West Penn Power and SEF funds
- Advisor to a group called "Re-Energize Johnstown," which is looking to promote job creation through energy efficiency and solar projects in the Johnstown region, with a focus on underserved communities
- Committed to participating in PA Department of Environmental Protection's project to develop and analyze a solar deployment plan for the state
- Managed fourth annual Energy Audit Grants Program for nonprofit organizations and small businesses in financially distressed communities

# 2016 Approvals

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From January 1, 2016 – December 31, 2016, the funds approved financing totaling **\$868,400**.

Of that total, **\$368,400** was authorized for **23 grants** and **\$500,000** was authorized for **1 loan**.

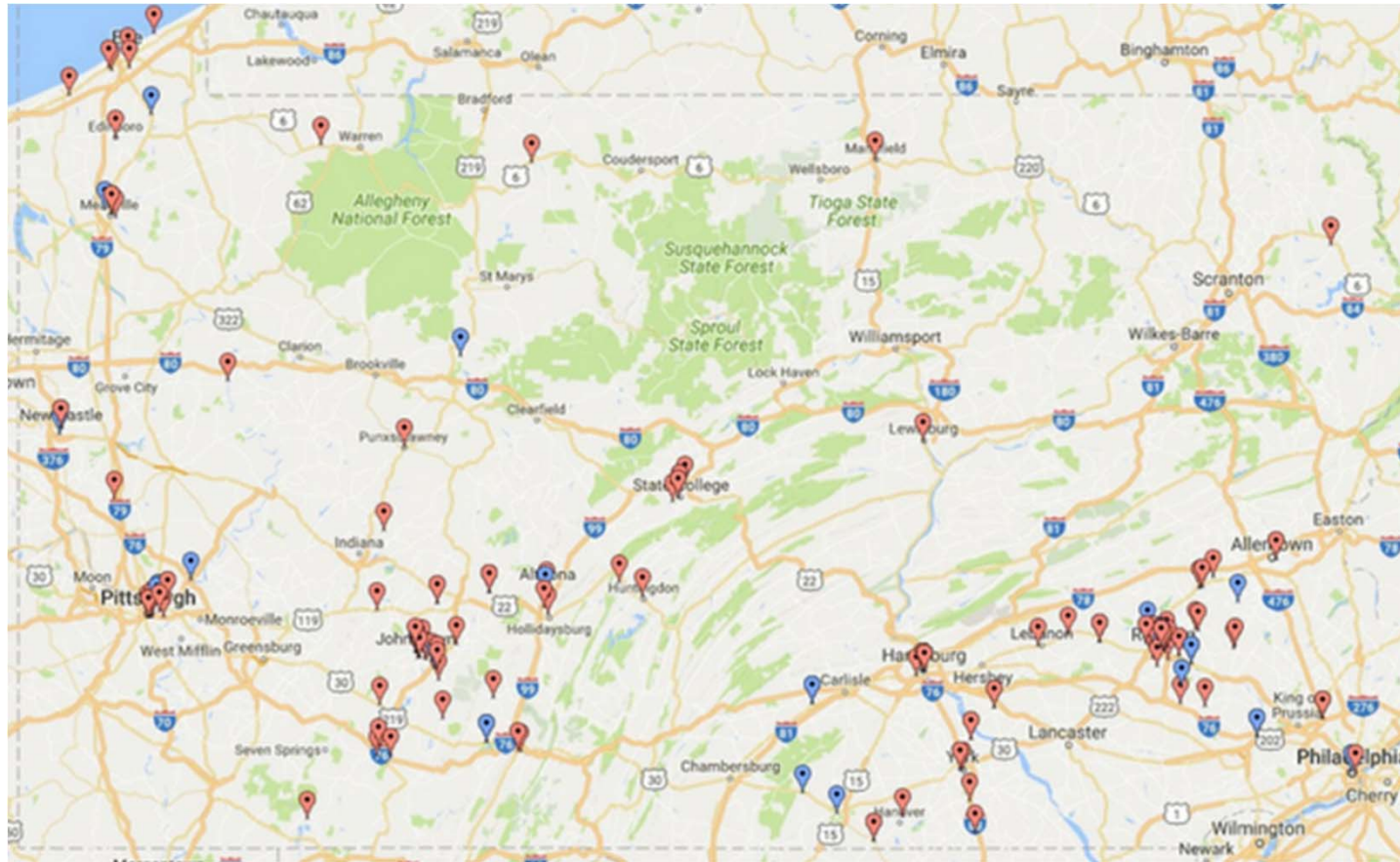
# Since Inception

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The Met Ed/Penelec SEF has approved:

- 170 grants totaling \$3,451,418
- 44 loans totaling \$24,013,724
- 3 equity investments totaling \$1,600,000

# Project Mapping



**Click for a searchable map of our projects through Dec. 31, 2016.**

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# 2016 Grants

Project	Amount	Comments	Date
Schuylkill River Greenway Association	\$20,000.00	Security lighting on Thun Trail	6/2016
Pennsylvania Biomass Energy Association	\$5,000.00	2016 membership	3/24/16
East Berlin Community Library	\$45,000.00	Solar project	3/24/16
Meadville Public Library	\$10,000.00	Energy Audit	3/24/16
Erie City School District	\$24,000.00	Energy efficiency curriculum & modules	3/24/16
St. Francis University's Institute for Energy	\$17,000.00	Match funds for USDA grant to provide energy assessments for rural business & farms	3/24/16
Saxton Volunteer Fire Company	\$10,000.00	LED light installation	3/24/16
Benedictine Sisters of Erie	\$25,000.00	LED light installation	4/18/16
Berks County Industrial Development Authority	\$25,000.00	Micro-grid feasibility study	4/18/16
Bethel-Tulpehocken Public Library	\$10,000.00	Energy efficient lighting & AC upgrades	7/13/16

# 2016 Grants

Project	Amount	Comments	Date
Pennsylvania Environmental Council	\$7,000.00	2017 Deep Decarbonization Conference	7/13/16
Human Services Center	\$25,000.00	Net-zero adaptive re-use building	7/13/16
Concurrent Technologies Corporation	\$15,000.00	Water reuse system for energy efficiency	7/13/16
Windber Fire Company	\$12,400.00	LED light installation	7/13/16
Ashville Volunteer Fire Company	\$16,000.00	LED light installation	7/13/16
Mid-Atlantic Renewable Energy Association	\$7,000.00	Solar expansion at Opportunity House	10/26/16
Easy Does It, Inc.	\$10,000.00	Energy Audit	10/26/16
Borough of West Reading	\$10,000.00	Energy Audit	10/26/16
Tree Pittsburgh	\$15,000.00	Solar installation toward LEED Platinum	10/26/16
County of Erie	\$30,000.00	Energy Audit	10/26/16
City of Erie Cable TV Access Corp	\$10,000.00	Energy Audit	10/26/16
Bedford County Regional Education Foundation	\$10,000.00	Energy Audit	10/26/16
St. Michael's Church	\$10,000	Energy Audit	12/14/16

# 2016 Loan

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Project	Amount	Comments	Date
Pittsburgh Gateways Corporation	\$500,000	Energy efficient upgrades to enable Energy Innovation Center to accommodate lease agreements for energy conservation corporations at the LEED Platinum building.	10/26/16

# Erie School District

## Energy Efficiency Modules & Capstone Projects

- Erie City School District (ESD) is currently implementing the BELONG Plan (Becoming Empowered by Living Our Natural Gifts) to further engage students in sustainability and energy management.



# Erie School District

## Energy Efficiency Modules & Capstone Projects

- \$24,000 Penelec SEF Grant in 2016:
  - Develop a series of workshops and materials (including light meter/wattage kits) to present to the other 10 other Erie County school districts so they can implement the ESD energy efficiency program.
  - Develop Grade 6 Capstone Projects to be accomplished annually to challenge students to construct energy efficient structures that utilize renewable energy sources.



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# St. Francis University Institute for Energy

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## Energy Efficiency Audits for Rural Businesses & Farms

- \$17,000 Penelec SEF Grant in 2016:
  - Matching funds needed for a \$100,000 USDA Rural Energy for America Program grant.
  - Will provide rural agricultural producers and small businesses with education and individual assessments for improved energy use, recommending possible renewable technologies.
  - 50 assessments will be provided over two years.
  - Will include renewable energy implementation feasibility (wind and solar potential, as well as biomass, geothermal or micro-hydro) and basic evaluation of lighting/pumping technologies for energy efficiency upgrades.



# Pittsburgh Gateways Corporation

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## Energy Innovation Center

- \$500,000 Met Ed/Penelec SEF Loan in 2016:
  - Will be used toward the \$2.2 million needed to prepare 18,000-19,000 of additional space in the Upper Mezzanine and the Tower Building of this LEED Platinum building to accommodate lease agreements with energy conservation corporations and a University 3D Imaging Training Lab.



# East Berlin Community Library



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# Mid-Atlantic Renewable Energy Association

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## Solar Hot Water System

Supplemental grant to use excess heat for additional locations in the building



# 2017 Business Plan

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**Goal One:** Develop sustainable and/or renewable energy projects that can be funded in the calendar year 2017.

**Goal Two:** 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.

# 2017 Business Plan

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**Goal Three:** Target \$1,500,000 in investments (either as loans or equity participation) 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.

**Goal Four:** To participate in the relevant activities of state, regional and national sustainable energy fund networks, including relevant conferences and presentations.

# 2017 Business Plan

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**Goal Five:** To maintain a website that promotes the fund, educates the public and offers insights into alternative energy.

**Goal Six:** 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)

February 23, 2017