



COMMUNITY FOUNDATION  
FOR THE ALLEGHENIES

SERVING BEDFORD, CAMBRIA, SOMERSET, AND INDIANA COUNTIES

March 22, 2018

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2nd Floor, 1 North  
400 North Street  
Harrisburg, PA 17120

RECEIVED  
2018 MAR 26 AM 11:01  
PA PUC  
SECRETARY'S BUREAU

**RE: Docket Number: M-00031715F0004**

Ms. Chiavetta,

Per the instructions at the PA Sustainable Energy Board meeting on February 8, 2018, please find enclosed a hard copy of the Metropolitan Edison/Penelec Sustainable Energy Fund Annual Report for 2017.

If you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,

Mike Kane

President

Enclosure

RECEIVED

**METROPOLITAN EDISON COMPANY/PENNSYLVANIA ELECTRIC  
COMPANY SUSTAINABLE ENERGY FUND**

2018 MAR 26 AM 11:01

PA PUC  
SECRETARY'S BUREAU

**Introduction**

In 2000, First Energy established the Metropolitan Edison Company Sustainable Energy Fund at Berks County Community Foundation and the Penelec Sustainable Energy Fund at the Community Foundation for the Alleghenies. Berks County Community Foundation and the Community Foundation for the Alleghenies are 501(c)3 nonprofit organizations located in Reading and Johnstown, respectively.

The funds work together under the guidance of a joint volunteer advisory committee and in accordance with each organization's bylaws. The purpose of the funds is to promote:

- the development and use of renewable energy and clean energy technologies;
- energy conservation and efficiency;
- sustainable energy businesses; and
- projects that improve the environment in the companies' service territories, as defined by their relationship to the companies' transmission and distribution facilities.

The funds fulfill this purpose by seeking, vetting, and awarding grants, loans, and equity investments that benefit the ratepayers in the geographic territories within Pennsylvania served by Met Ed and Penelec.

From January 1, 2017, to December 31, 2017, the Metropolitan Edison Company/Pennsylvania Electric Company Sustainable Energy Fund (Met-Ed/Penelec SEF) approved financing totaling \$352,455.

**Representative Fund Outreach Activities 2017**

Each year, the staff members who manage the Met-Ed/Penelec SEF on behalf of the Community Foundations participate in activities designed to raise awareness of Met-Ed/Penelec SEF activities. From January 1, 2017, to December 31, 2017, that outreach included the following activities:

- Community Foundation staff presented information about the Met Ed/Penelec Sustainable Energy Fund at multiple events throughout the territories, including the Community Foundation for the Alleghenies' annual Founders' Day celebration, grantwriting workshops, and county financing sessions.

- Staff facilitated a panel discussion for the Greater Pittsburgh Nonprofit Partnership regarding resiliency planning, including energy efficiency upgrades for communities.
- Staff participated in a Battery Cluster Workgroup in conjunction with the Berks County commissioners, economic development agencies, colleges and universities, and manufacturers to determine how to advance energy storage research opportunities.
- Staff continued to participate in meetings and teleconferences with the Coalition for Green Capital and other stakeholders regarding the potential for development of a Pennsylvania Green Bank, and by attending various Pittsburgh Green Building Alliance meetings in Pittsburgh.
- Staff maintained the Met Ed Penelec Sustainable Energy Fund website and Facebook pages, updating pages as appropriate and posting on Fund activities and topics related to energy efficiency and clean energy technologies.

#### **Representative Program Specific Activities 2017**

- Staff performed site visits and correspondence for inquiries on numerous potential projects throughout the Penelec and Met Ed service territories, several of which are explained in more detail below.
- Staff continued to meet with the Re-Energize Johnstown organizers, who are looking to promote job creation through energy efficiency and solar projects in the Johnstown region, with a focus on underserved communities.
- Meetings and conference calls with CEWA Technologies provided an update to the advisory committee on the growth of this company and the funds' investment.
- Regular team meetings were held with eCap Network, CJL Engineers, Pennsylvania Environmental Council and local partners regarding Inclined Plane AMD discharge geothermal feasibility/preliminary design.
- As committed to in 2016, staff participated in a multi-year stakeholder engagement project with PA Department of Environmental Protection to develop and analyze a solar deployment plan for the state called, "Finding Pennsylvania's Solar Future." It is examining the necessary policy, regulatory, and market conditions that would allow distributed generation, provide a public summary report, and a comprehensive final report.

- As a board member of the Pittsburgh Green Building Alliance, staff attended regular board meetings and events.
- Throughout the year the community foundations provided all fund management operations, including monthly loan servicing, collection, due diligence on grant and loan applications, site visits, phone and email correspondence with prospective applicants, PUC correspondence, and investment management and reporting.
- For the fifth year, staff managed the Energy Audit Grant Program, which provides grants of up to \$10,000 for ASHRAE Level 1 and 2 audits for nonprofit organizations. The program is open on a rolling basis, as funds remain, for nonprofit organizations, governmental agencies, and small businesses in financially distressed neighborhoods. After the audits are complete, the organizations are eligible to apply for a performance-based loan to implement the recommended energy efficiency changes. The majority of organizations find they can finance the changes on their own based on the projected savings they are to achieve.
- Staff conducted educational tours of the Berks County Community Foundation Platinum LEED building.
- Staff maintained the historical/geographical/technological mapping of SEF activity to ensure the map created in 2014 remained current and available on the website.

### **Financial Approvals**

From January 1, 2017, to December 31, 2017, the Metropolitan Edison Company/Pennsylvania Electric Company Sustainable Energy Fund (Met-Ed/Penelec SEF) approved financing totaling \$352,455.

### **Grants**

Boyertown Community Library	Energy Audit	\$10,000.00
Interphase Materials	Heat Transfer Efficiency	\$25,000.00
Huntingdon Farm	Solar HVAC Mini-Split Unit Installation	\$6,380.00
Bedford County Chamber Foundation	LED lighting for business/education center	\$10,700.00
FWA Gym	Energy Audit	\$10,000.00
Benedictine Sisters of Erie	Energy Audit	\$10,000.00
Community Arts Center of Cambria County	Energy Audit	\$6,750.00

Pennsylvania Biomass Energy Association	2017 membership	\$2,500.00
Mary's Shelter	Boiler - Kenhorst Initiative	\$26,000.00
JARI Growth Fund	Re-Energize Johnstown	\$25,000.00
Green Building Alliance	GBA Northwest PA Energy Efficiency Initiative	\$20,000.00
Children's Aid Home	Energy Audit	\$10,000.00
Thistle Creek Farm	Poultry House Rebuild	\$10,000.00
Reading Public Museum	Lighting & signage upgrades	\$16,500.00
North American Passive House	Conference sponsorship	\$25,000.00
St. Francis University	Sustainable Energy Project Surveying	\$11,000.00
Greater Johnstown Water Authority	Pumping Operations Efficiency VFDs	\$25,000.00
Bottle Works Ethnic Art Center	Green Roof	\$25,000.00
Bedford County Regional Education Foundation ACM	Energy Efficiency Upgrades - LEDs	\$25,000.00
Somerset Area Ambulance	Energy Audit	\$7,000.00
Cambria County Historical Society	Energy Audit	\$7,000.00
Reading Public Library	HVAC system	\$28,625.00
Pleasant Ridge Manor	Energy Audit - Investment Grade	\$10,000.00

Since inception, the Met-Ed/Penelec SEF has approved 193 grants totaling \$3,804,373; 44 loans totaling \$24,013,724; and 3 equity investments totaling \$1,600,000. The fund denied 52 grant requests, 26 loan requests, and 7 investment opportunities. Denials occurred because the proposed projects did not meet the Fund's mission or had technological, financial and/or market difficulties.

### **Board Activities**

The Met-Ed/Penelec SEF Advisory Committee consists of nine members whose two-year terms are staggered so the terms of approximately half of the members end each year. Current members can run for re-election. The Advisory Committee Members for January 1, 2017, through December 31, 2017, were as follows:

Mary Beth Smialek (Chair)	Rep. First Energy	Term Expires 12/31/2019
Brian Hill (Vice Chair)	Rep. At Large	Term Expires 12/31/2019
Frank Plank	Rep. Industrial User Groups	Term Expires 12/31/2018
Timothy Booth	Rep. Electricity Supplier	Term Expires 12/31/2018
Beverly Weaver	Rep. Weatherization Groups	Term Expires 12/31/2018
Greg Winger	Rep. Commercial Customer	Term Expires 12/31/2019
John Ubinger	Rep. At-Large	Term Expires 12/31/2019
Chady Zablit	Rep. Ind. Power Producer	Term Expires 12/31/2018

The advisory committee met four times in 2017. One “Environmental” position is currently open.

### **Review of Technologies and Sample of Met-Ed/Penelec SEF Implemented Projects**

The Met Ed Penelec Sustainable Energy Fund maintains and updates the list below to show the projects that have been funded and how they fit into the different sustainable and renewable energy tiers as defined by the Commonwealth. This list represents projects since the funds were created.

#### **Tier I Projects:**

##### **Solar Photovoltaic**

- Silicon cell panels – Hundredfold Farm and French Creek Ridge
- Printed electronics – Plextronics
- Solar installer training – Conservation Consultants
- Solar lighting – 2<sup>nd</sup> & Oley playground
- Solar lighting – Welcome sign to City of Reading
- Solar cell panels – Lacey Electric
- Solar cell panels – Rodale Institute
- Solar array – Scottish Heights
- Solar cell panels – Epiphany
- Solar panels/inverter – Sandusky Lee
- Solar panels – Phipps Conservancy
- Solar concentrator dish production – CEWA
- Manufacturing solar grade silicon – One Solar
- Solar panel installation – Leg Up Farm
- Solar lighting installation – Reading Rising Park
- Solar panels – Cambria County Transit Authority
- Concurrent Technologies Corporation
- Sally’s Cider Press
- RiverPlace
- Jager & Friends Dog Park
- Tree Pittsburgh
- Huntingdon Farm

##### **Solar Thermal**

- Adams County
- Mid Atlantic Renewable Energy Association
- Greater Prospect Store

##### **Wind**

- Utility wind installations – Bear Creek/Forward/Lookout

- Supply chain facility – Gamesa
- Community Wind – SFU Renewable Energy Center/Anemometer Loans
- Windustry Community Wind Conference
- Small wind systems – Shade Central City School District, Meadville School District, Southern Alleghenies Conservancy, Wayne County Conservation District, Evergreen Conservancy Tonoma AMD Site and New Tech Wind

#### Low Impact Hydro

- Micro- and low-hydro statewide conference
- PA Environmental Council - general permitting program

#### Biogas and Coal Mine Methane

- Pioneer Landfill gas to electricity G.A.S.
- Johnstown Regional Energy
- Green Gas Pioneer Crossing

#### Biomass

- Farm digester – Native Energy
- Wood waste – United Corrstack
- Ethanol-Regional Economic Development Initiatives
- PGH Zoo Somerset International Research Center
- Biomass Boot Camp
- First Nation Wood Pellets
- Organization - PABIOMASS Energy Association
- Pittsburgh Zoo International Conservation Center biomass furnace
- Pennsylvania Biomass Energy Association

#### Demand Side Energy Conservation and Efficiency

- Pymatuning Lab
- Somerset Conservation District
- West Erie County Emergency Center
- Gildono Center
- Birdsboro Alloying
- Police Athletic League/Olivet's Boys & Girls Club
- Cambria County War Memorial Arena
- Johnstown Area Heritage Association
- Mission Critical Solutions
- City of Reading Pagoda
- Human Services Center
- Allegheny College
- Millcreek Township School District
- Asbury Park Nature Center
- Hanover Public School District

- Concurrent Technologies Corporation
- Twin Valley Elementary School
- Southern York County Library
- York County Commissioners
- Albright College
- Hyndman Area Health Center
- Berks County Community Foundation LEED Platinum Headquarters
- Green Building Alliance – Pittsburgh
- Green Building Alliance – NW PA
- Allegheny Clarion Valley Development Corporation
- BosWell Pharmacy Services
- Crawford County Development Authority
- Rouse Estate
- Radiant Heating System – City of Johnstown Historic Carpenter Shop
- Energy Management Systems – Crispus Attucks Association
- eCAP Network Energy Management
- Windber Research Institute
- Renewable Manufacture Gateway
- Greater Reading Commerce Center
- Pittsburgh Gateways
- Commonwealth Community Energy Project Revolving Loan Fund
- Shawnee Country Market
- Disaster's Edge Environmental Center
- Liberty LLC
- Berks County Redevelopment Authority
- Greater Prospect, Inc.
- Southern Alleghenies Planning & Development Commission
- Cambria County War Memorial
- Johnstown Redevelopment Authority
- JC Blair Memorial Hospital
- Somerset County Campus Foundation (Allegheny College of Md.)
- Greater Johnstown YMCA
- Oakland Volunteer Fire Company
- River Valley Regional YMCA
- A Better Address
- Conrad Flatiron Building/JBDDC
- Berks County Conservancy
- Johnstown Industrial Development Corporation

- McKean County
- Bottle Works Ethnic Arts Center
- Goodwill Industries of the Conemaugh Valley
- Johnstown Demanufacturing Center
- Millcreek Township School District
- Leg Up Farm
- Hillcrest Racquet Club
- Opportunity House
- Kutztown University Foundation
- Bethany Children's Home
- Johnstown Business District Development Corporation
- Gautier Steel, Ltd.
- Cresson Lake Playhouse
- Pocono Environmental Education Center
- Schuylkill River Greenway Association
- Berks County Industrial Development Authority
- Bethel-Tulpehocken Public Library
- East Berlin Community Library
- Mid-Atlantic Renewable Energy Association
- Easy Does It, Inc.
- Borough of West Reading
- Meadville Public Library
- Saxton Volunteer Fire Company
- Benedictine Sisters of Erie
- Human Services Center
- Concurrent Technologies Corporation
- Windber Fire Company
- Ashville Volunteer Fire Company
- Bedford County Chamber Foundation
- Mary's Shelter
- JARI Growth Fund
- Thistle Creek Farm
- Reading Public Museum
- Greater Johnstown Water Authority
- Bedford County Regional Education Foundation

Supply Side Efficiency

- PA Environmental Council – Inclined Discharge Study
- Hydroconfidence – Oil to Natural Gas Conversion Equipment

- Interphase Materials – Heat Transfer Efficiency

Ocean and Lake Energy – None to Date

Non-Combustion Solid Waste – None to Date

Tier I Fuel Cells

- Solid-Oxide, Shade Central City School District
- Franklin Fuel Cells

**Tier II Projects:**

Electricity from Eligible Waste Coal (New or Retrofitted Facilities) – None to Date

Integrated Gasification Combined Cycle – None to Date

Non-Tier I Fuel Cells – See Above Franklin Fuel Cells

Education (not including application of technologies listed above):

- K-12 Energy Curriculum Development – Penn State university
- CEEP Green Campus Education
- Clean Energy State Alliance
- Green Building Association of Central Pennsylvania
- NW PA and Laurel Highlands Chapters of Pittsburgh Green Building Alliance
- MAREC
- Pennsylvania Foundry Association
- US Green Building Council
- Manufacturers Association of Berks County
- Public Lebanon Valley Conservancy
- Penn Future
- Clean Energy Expo
- Berks County Conservancy
- Keystone HELP
- WPSX –TV
- Southern Alleghenies Conservancy
- Berks County Community Foundation
- Erie School District
- Mid-Atlantic Renewable Energy Association
- Oley Valley High School
- Allegheny College
- University of Pittsburgh at Johnstown
- Nolde Forest Environmental Education Center
- Boyertown Area Multiservice, Inc.
- Reading Public Museum
- Reading Public Library
- Pennsylvania Environmental Council

- Erie City School District
- St. Francis University's Institute for Energy
- PA Biomass Energy Association
- North American Passive House
- Energy Audit Program (39 nonprofit organizations throughout the territories)

## **Conclusion**

With the guidance of an expert advisory committee and professional financial and operational oversight from Berks County Community Foundation and the Community Foundation for the Alleghenies, the Met Ed Penelec Sustainable Energy Fund has had a successful year meeting its purpose to promote:

- the development and use of renewable energy and clean energy technologies;
- energy conservation and efficiency;
- sustainable energy businesses; and
- projects that improve the environment in the companies' service territories, as defined by their relationship to the companies' transmission and distribution facilities.

From January 1, 2017, to December 31, 2017, the Metropolitan Edison Company/Pennsylvania Electric Company Sustainable Energy Fund (Met-Ed/Penelec SEF) approved financing totaling \$352,455.

The funds are honored to continue to fulfill this purpose by seeking, vetting, and awarding grants, loans, and equity investments that benefit the ratepayers in the geographic territories within Pennsylvania served by Met Ed and Penelec.



COMMUNITY FOUNDATION  
FOR THE ALLEGHENIES  
116 Market Street, Suite 4  
Johnstown, PA 15901

NEOPOST  
03/23/2018

FPS RELEASE

US POSTAGE \$001.42<sup>9</sup>



ZIP 15901  
041L10243438

PENNSYLVANIA PUBLIC UTILITY COMMISSION  
ATTN: ROSEMARY CHIAVETTA  
COMMON WEALTH KEYSTONE BUILDING  
2ND FLOOR, 1 NORTH  
400 NORTH STREET  
HARRISBURG, PA 17120