



NETWORKING SESSION

Energy Organizations, Companies, and Programs

Pennsylvania Department of
Environmental Protection (DEP)



Energy Financial Incentives for Pennsylvania Municipalities

Alternative Fuels Incentive Grant Program (AFIG)

AFIG projects promote and build markets for advanced, renewable and alternative fuels and transportation technologies. Pennsylvania provides grants to businesses, nonprofits, schools and local governments for incremental costs related to purchase or retrofit of alternative fuel vehicles and biofuels. For more information about the AFIG Program click [AFIG](#).

PA Green Energy Loan Fund (GELF)

GELF provides low-interest loan financing for energy efficiency retrofits and the installation of energy conservation measures and high-performance energy systems in buildings throughout Pennsylvania. GELF is managed by The Reinvestment Fund (TRF) and is supported by the Pennsylvania Department of Environmental Protection and the U.S. Department of Energy. For more information, click [GELF](#).

Commonwealth Financing Authority (CFA)

The CFA administers Pennsylvania's economic stimulus packages. CFA can provide grants and loans for clean and alternative energy projects. Eligible projects may include high performance buildings and renewable energy development. For more information, click [CFA](#).

Pennsylvania Energy Development Authority (PEDA)

PEDA is an independent public financing authority whose mission is to incentivize clean, advanced energy projects in Pennsylvania. Projects that could potentially qualify for financial support from the Authority include: solar energy, wind, low-impact hydropower, geothermal, biomass, landfill gas, fuel cells, integrated gasification combined cycle, waste coal, coal-mine methane, and demand management measures. The authority can award grants, loans, and loan guarantees. For more information, click [PEDA](#).

For Small Businesses in Your Community

Small Business Advantage Grant Program

The SBAG is a program which provides 50 percent matching grants, up to a maximum of \$9,500, to enable a Pennsylvania small business to adopt or acquire energy efficiency or pollution prevention equipment or processes. For more information, click [SBAG](#).

Pollution Prevention Assistance Account (PPAA) Loan Program

PPAA provides 2% interest rate loans to Pennsylvania small businesses (100 or fewer full-time employees) undertaking projects that reduce waste, pollution or energy. The maximum loan amount is \$100,000 for 75% of the total eligible project cost within any 12-month period. For more information, click [PPAA Loan](#).

Partnering Organization Programs

USDA Rural Energy for America Program (REAP)

Funding is available for agricultural producers and small business owners in applying for resources to purchase and install renewable energy systems or make energy efficiency improvements. Eligible renewable energy systems include wind, solar, renewable biomass (including anaerobic digesters), small hydro-electric, and other renewable resources. For more information, click [REAP](#).

Database of State Incentives for Renewables and Efficiency (DSIRE)

Click [DSIRE](#) for a list of additional incentives that may not be included above.

Pennsylvania Technical Assistance Program ([PennTAP](#))



Alanna Colvin is a technical advisor with Pennsylvania Technical Assistance Program (PennTAP), working from the Penn State Center in the Energy Innovation Center in Pittsburgh. PennTAP is an outreach branch of the Pennsylvania State University that provides energy assessments and other energy programs and training throughout the state of Pennsylvania.

PennTAP offers Building Re-Tuning (BRT) workshops specifically targeted to reach facility managers/staff in K-12 schools, municipalities, and small college facilities. BRT is a systematic "low-cost/no-cost" approach to periodically re-commission a building to restore or exceed the building's original energy performance.

PennTAP helps Pennsylvania businesses by performing on-site pollution prevention and energy efficiency assessments. They offer recommendations for improvements in energy utilization and waste reduction, and prepare site assessment technical reports. Identification of funding available for your business and providing estimates of project payback are key components of

our technical reports. Please note that this service is offered to industrial manufacturers at no cost, due to grant funding through the EPA, DOE's State Energy Program, and the DEP.

To help local businesses develop, PennTAP actively promotes training and education opportunities. PennTAP provides online training through webinars hosted by their technical advisors, in addition to hosting in-person learning events and conferences throughout the year.

They also offer a suite Energy Management System (EnMS) services. EnMS awareness training is designed to provide a general understanding of the energy management system, its principles, benefits, and requirements. We support training and implementation of ISO 50001, DOE's 50001 Ready Program, EnPI Lite, and EPA's Portfolio Manager.

Renewable Energy for the Power of 32

With the goal of accelerating the uptake of large scale renewable energy for the region, Sustainable Pittsburgh, CEOs for Sustainability, and the Power of 32 launched a promising new initiative called Renewable Energy for the Power of 32 (RE4P32). RE4P32 will assist interested large and medium-sized organizations in acquiring renewable energy, individually and through aggregations, and thus grow this valuable low-carbon energy resource for a more balanced, resilient, and environmentally competitive region. The geographic scope of this initiative covers the 32 counties uniting southwestern Pennsylvania with eastern Ohio, northern West Virginia and western Maryland.



To help the city of Pittsburgh, the region, and the area's institutions make the transition to greater renewable energy, Sustainable Pittsburgh has partnered with a Washington D.C.-based renewable energy advisory firm, Customer First Renewables (CFR). CFR has served as an independent and objective advisor to several of the nation's largest aggregated renewable energy procurements. Leveraging CFR's expertise and support, RE4P32 will help the region's largest energy users procure renewable energy in a tailored, cost effective manner. RE4P32 will convene large and medium sized energy users to advance, through their combined purchasing power, new wind, solar, and/or hydroelectric development for the region.

Sustainable Pittsburgh's P32 Energy Flow Chart as well as its SWPA Sustainability Goals & Indicators Report show the amount of renewable energy as a portion of the whole is under two percent; the potential for this region to move the renewable energy needle is profound. Sustainable Pittsburgh and CFR look forward to working collaboratively to advance Renewable Energy for the Power of 32 to engage the region's leading institutions and businesses in stepping up to this unprecedented challenge. Among early collaborating organizations are the City of Pittsburgh and Sierra Club Pennsylvania Chapter.

Solar Unified Network of Western Pennsylvania ([SunWPA](#))



The Solar Unified Network of Western Pennsylvania (SunWPA) is a membership organization created to promote clean solar energy and the solar industry in Western Pennsylvania. SUNWPA's membership includes solar installers, solar manufacturers, battery manufacturers, energy efficiency and renewable energy advocates, solar owners and supporters. They work together to increase awareness of the benefits of solar energy and increase the market adoption through education and public policy advocacy.

Scalo Solar



[Scalo Solar](#) Solutions is a privately-held solar developer headquartered in Pittsburgh, Pennsylvania. Scalo Solar utilizes solar technology and other sustainable building solutions to create opportunities that make sense for the environment and the bottom line. Scalo Solar Solutions is a Scalo Company, a group with over 60 years of experience in the roofing industry. The company was created from Jack Scalo's vision and a desire to drive innovation in the roofing industry and provide energy solutions to the rooftop. The Scalo Companies is comprised of approximately 250 experience professionals in two states, serving the entire eastern seaboard.

Constellation



Larry Godleski is the Executive Director of Business Development for [Constellation](#)'s Distributed Energy business. In this role Larry leads the sales organization responsible for developing customer-specific performance based efficiency and sustainability solutions focused on revitalizing building infrastructure through a guaranteed, budget-neutral approach.

Based in Pittsburgh, Larry and his team have successfully utilized market-specific enabling legislation to implement over \$300 million dollars of state and local government energy efficiency and sustainability projects throughout Pennsylvania and the northeastern United States.

Constellation provides customers with comprehensive energy strategies across electric and gas efficiency, addressing deferred maintenance and implementing energy efficiency building improvements. Constellation has provided energy solutions to over 5,000 energy savings projects across school districts, federal, state and local government agencies, public housing, health care, and commercial and industrial facilities.

NORESCO



Founded in 1984, [NORESCO](#) is a leading national energy services company providing customers with comprehensive, proven energy efficiency solutions, infrastructure development and operational strategies. They have installed nearly \$4 billion of energy projects in 7,000 facilities. With an office in Pittsburgh since 1996, their local team has delivered 51 successful Guaranteed Energy Savings Act (GESAs) projects totaling \$350 million of energy efficient and infrastructure improvement projects.

NORESCO has extensive experience working in Pittsburgh and within Allegheny County for over 20 years implementing \$40 million of guaranteed solutions for Allegheny County. Working with the Sports and Exhibition Authority, NORESKO designed and constructed a 6,000 ton chilled water plant in the David L. Lawrence Convention Center. They partnered with Duquesne University and built a combined heat and power plant and completed three phases of energy efficiency improvements. At Pittsburgh Public Schools, NORESKO implemented \$15 million of energy upgrades over five phases.

In December, NORESKO entered into a \$77.9 million GESAs with the City of Atlanta Department of Watershed Management. Energy measures include optimizing the city's pumping assets through new software, replacing the UV disinfection system with a more efficient model, and converting municipal sludge to class A biosolid for use as a manufactured soil additive, avoiding expensive landfill costs.

Duquesne Light Co.



The Watt Choices Program is provided by the [Duquesne Light Company](#) as part of PA Act 129 (Energy Efficiency and Demand Response). The Duquesne Light Watt Choices Program helps customers conserve energy and reduce demand while lowering their electricity costs. Watt Choices invites residential, commercial and industrial customers to take advantage of a wide range of energy efficiency, conservation and demand-response measures. By participating in these programs, customers are not only learning ways to conserve energy, they also are reducing their overall impact on the environment through reduced power plant emissions and load reduction.

Within the program, all commercial and industrial customers are assigned to either the Industrial Efficiency (Industrial Rate Class), Large Commercial Efficiency (>300kW in monthly usage), Express Efficiency (<300kW in monthly usage) or the Public Agency Partnership Program (Education, Public Agencies, and Healthcare).

Ron Rydzak is the Commercial and Industrial Coordinator for the Watt Choices Program. Ron is responsible for the Express Efficiency and PAPP Programs. Ron's experience includes a key role in Allegheny County's development of energy efficiency programs using ARRA grant funds (U.S. Stimulus Act). A native of Pittsburgh, Ron has 23 years of Program Management, Energy Efficiency and Operations Management experience and a B.S.B.A from Robert Morris University.

First Energy: West Penn Power Penelec, Penn Power



[FirstEnergy's](#) Pennsylvania utilities (Met-Ed, Penelec, Penn Power and West Penn Power) offer a wide range of incentive programs to their commercial, industrial, educational, non-profit, and government (municipal) customers – including reimbursements for improvements to your facility that increase energy efficiency and reduce electricity consumption.

In addition, The Municipal Traffic Signal Lighting Incentive Program is offered to governmental customers of FirstEnergy's Pennsylvania utilities (Met-Ed, Penelec, Penn Power and West Penn Power) to encourage participants to install high-efficiency traffic signals through per-unit incentives.

Sodexo is the designated program implementer for commercial and industrial energy efficiency programs for FirstEnergy's Pennsylvania utilities.

Industrial Energy Engineering



Chris Steffy, P.E. is a Process Energy Engineer for Buildings, Wastewater Treatment and Renewable Energy and the principal for [Industrial Energy Engineering](#). He is a professional engineer licensed in both Ohio and Pennsylvania and is an Energy Qualified Specialist for Process Heating Systems by the United States Department of Energy.

He has extensive professional engineering experience including: 10 years process engineering, energy assessment and reduction; 12 year of process engineering, wastewater treatment; 14 years project management, implementation water and energy systems.

As an Energy Assessor he evaluates and analyzes energy flow to estimate the amount of energy used in each aspect of a building, transportation pool, or wastewater treatment plant. Potential energy reduction projects are defined and estimated. As an Owner's Representative providing the technical support for discussions with vendors and salesmen for equipment upgrades and energy projects. As a Project Manager assisting with the specifics of energy project implementation including budgeting, scheduling and contractor management.

CCI Get Energy Smarter

Founded in 1978 as a non-profit organization, [CCI](#)'s mission is to help families create healthier homes and get energy smarter. CCI achieves its mission through education and the identification of efficiency improvements that helps its customers to save money by reducing utility bills, improve personal comfort, health and safety, increase awareness of the positive benefits to our economy and national security afforded by energy efficiency and renewable energy, and protect and preserve the environment by reducing the use of natural resources



In fulfilling its mission, CCI has gained local, national, and international recognition as an organization capable of managing and delivering a wide variety of cost-effective energy and resource efficiency programs ranging from low income usage reduction programs to providing consulting services to the Czech Republic.

CCI's mission depends upon strong partnerships with public utilities, government agencies, foundations, other nonprofit organizations and for-profit businesses. Each year our partnerships allow us improve the lives of citizens by providing over 5,000 energy audits of homes and buildings, *education services to over 1,000 students and young adults and distribution of 1,800 water savings kits across the Commonwealth. The Pennsylvania PUC recognizes CCI as a Certified Conservation Services Provider "CSP".*

PENNSEF

THE PENNSYLVANIA SUSTAINABLE ENERGY FINANCING PROGRAM

WHAT IS PENNSEF?

PennSEF provides technical and legal assistance, as well as low-cost capital, for energy and water improvement projects by schools and other non-profits. All program costs are rolled into the issue of the bond. Your organization is guaranteed to see savings that meet or exceed loan payments. Savings will be monitored and verified regularly to ensure your upgrade is providing the promised payback.

WHY PENNSEF?

- 1 Reduce energy and water use and operating costs
- 2 Replace aging, high-maintenance equipment
- 3 Improve safety and resiliency

PROJECTS INCLUDE:

- Electrical upgrades, including lighting and smart energy management
- Renewable energy, including solar, wind, and energy storage
- HVAC improvements
- Building envelope upgrades
- Water conservation measures
- Pair long-payback projects with short payback projects to get the best value and extensive improvements to your building.

THE BENEFITS:

- 1 Pre-negotiated contracts written by the Pennsylvania Treasury and agreed to by participating energy services companies (ESCOs).
- 2 Participating ESCOs are established, experienced companies with a local presence and a history of performance guarantee programs.
- 3 Preliminary audit at no cost, followed by an investment grade audit that must provide measures with at least 90% of savings quoted in preliminary audit.
- 4 All program costs are paid within the bond issue.
- 5 Guaranteed savings, monitored and verified regularly throughout the loan period.

LET US HELP!



Green Building Alliance is working with PennSEF to support people and projects through the process. To learn more, contact GBA at **(412) 773-6000** or **info@gbapgh.org**.

