

Explore Your Sustainable Options

PA Department of Environmental Protection (DEP) Hands-On Energy Education Trailer

DEP is largely responsible for administering Pennsylvania's environmental laws and regulations. Each day, the department works to reduce air pollution; make sure our drinking water is safe; protect the water quality in our rivers and streams; make sure that waste is handled properly; support community renewal and revitalization; promote advanced energy technology and help the commonwealth's citizens prevent pollution and comply with Pennsylvania's environmental regulations. Visit their hands-on demonstration trailer with interactive exhibits for children and informational exhibits and handouts for adults.

- Learn more at www.depweb.state.pa.us

Envinity

Energy solutions for your home or business

People have different reasons for exploring green building and energy conservation. Maybe you'd like to implement solar panels or other forms of renewable energy. Maybe you are hoping to save money by improving the energy efficiency of your home. Or maybe you'd like to learn more about sustainable building construction. Whatever your reasons, Envinity has the knowledge and expertise to help you realize your goals. A leader in green design, construction, and energy, we help residential and commercial clients throughout Pennsylvania live and work in buildings that are environmentally responsible, less costly to operate, and healthier for their occupants.

- Learn more at www.envinity.com

Solar Power Industries Outdoor Solar Display

Learn about the power of the sun. As a vertically integrated solar cell manufacturer from Belle Vernon, PA, Solar Power Industries offers an array of photovoltaic products, from their standard product line of silicon ingots, wafers and solar cells, to finished modules and fully customized systems. Utilizing their state-of-the-art manufacturing facility, they are able to provide their customers with quality solar products at highly competitive prices.

- Learn more or view customer installations at www.solarpowerindustries.com

West Penn Power Residential Energy Efficiency

If you are a West Penn Power customer looking for a lower electric bill then you're in the right place. A representative will be available who has important information that can help you save energy and money! Learn about their Residential Rebate programs to include: Energy Star Appliances, HVAC installation, HVAC maintenance, and CFL programs.

- Learn more at www.energysavePA.com

Zero Fossil Portable Emergency Power

See a Bicycle Powered Generator and more!

ZeroFossil is dedicated to the development of power generation systems that utilize the free energy around us...sun, wind, water, and even human power...without the need for any fossil fuels. From portable, fun power with the JuiceBox to whole-house emergency power with the Integrator, ZeroFossil has a solution for your individual energy needs. See the Bikerator in action...a ZeroFossil original. The Bikerator is a 250W bicycle powered generator. Simply place the rear tire of any adult bicycle into the Bikerator stand and start pedaling your way to energy independence. With an average human output of 150W, the Bikerator generates enough power to run a household refrigerator for several hours from one hour of exercise when used in conjunction with either the JuiceBox or Integrator. The Bikerator supplements solar and wind energy by charging your system when the sun is not available or the wind is not blowing. The JuiceBox and Integrator can store the energy generated from multiple Bikerators along with solar, wind, and hydroelectric simultaneously.

- Learn more at www.zerofossil.com

Green Energy Resources Solar and Wind Systems

Whether you are building your dream home, renovating an already existing home or thinking about adding renewables, Green Energy Resources, a division of Steve Wright & Associates Inc, from Hopwood PA can help with your project. This local contractor has experience installing solar and wind energy systems and will be on hand to help answer your questions about green building.

- Learn more at www.stevewrightandassociates.com

Rentricity Inc.

Hydroelectric - Harnessing clean, renewable energy

Rentricity Inc. is a renewable energy company that uses unique energy recovery configurations to transform the untapped energy in various man-made processes into electricity. The energy recovery systems – called **Flow-to-Wiresm** – convert excess pressure in water mains and other similar pipes into clean electric power.

A single **Flow-to-Wiresm** system produces between 20 and 300 kilowatts of electricity.

RenFlosm information services can provide valuable data via a secure Internet-based wireless network or a connection to a SCADA network that can maximize operational efficiencies and monitor the energy recovery systems. Rentricity's initial application focus is hydrokinetic energy recovery for water utilities, but the company is also currently developing wastewater and industrial water applications.

Rentricity **Flow-to-Wiresm** systems have no environmental impact and represent a new class of clean, renewable hydrokinetic energy.

- Learn more at www.rentricity.com

Fayette County Buy-Local Network Selling fresh, local produce

The network is an economic stimulus initiative designed and driven by the local consumer, encouraging citizens to support the local economy by buying from locally owned businesses. Keep your money re-circulating in the Fayette County local economy.

- Learn more at

www.faypenn.org/economy.jsp?pageId=2161392210281272877223395

Fayette Energy Partnership/Better Buildings Initiative

Energy efficient improvements and jobs in Fayette County

A program funded through a \$4.1 Million grant from the Department of Energy in order to make Fayette County homes more energy efficient. Energy efficiency improvements to residential structures represents the primary focus of Fayette County's Better Buildings Initiative, with the ultimate goal of implementing a total of 1,067 energy efficiency retrofits with a minimum 15% estimated energy efficiency savings. Learn how County residents can take advantage of this program to receive energy audits and make efficiency improvements to their homes. The residential component of Fayette County's Better Buildings Initiative involves a comprehensive approach, providing assistance to low- moderate and market-rate homeowners. A second critical component to Fayette County's Better Buildings initiative is outreach to the community, informing them of the general initiative and the benefits of implementing energy efficiency measures. In addition, Fayette County has a need to train workers who can be qualified to perform energy efficiency services.

- Learn more at www.racfpa.org/BetterBuildings.html

Keystone HELP

Special financing for energy efficient home improvements

Pennsylvania's special low rate, low payment financing program for energy efficiency home improvements and geothermal heat pump systems.

- Learn more at www.keystonehelp.com

West Penn Power Sustainable Energy Fund

Save energy, save money

Reinvesting in local communities supporting clean energy, energy efficiency and energy conservation; reducing energy usage through technology and stimulating clean energy generation. See what this non-profit group is doing in your area and how you can save energy and money in your home.

- Learn more at www.wppsef.org

Vox Energy Solutions

Alternative Energy

Helping their customers save money on their electric utility bills while helping to protect the environment. Vox Energy Solutions is a western Pennsylvania full-service alternative energy provider. Working with you every step of the way to analyze your home, fix inefficiencies, recommend solar, solar thermal or wind turbine systems that lower your electric consumption, and then work with you to install your alternative energy system.

- Learn more at www.voxenergysolutions.com

PA Dept of Conservation/Natural Resources, Bureau of Forestry

Biomass for heat and power

Mike Palko is the Biomass Energy Specialist for Pennsylvania's Bureau of Forestry. He promotes the use of biomass, especially forest products, in the generation of small, distributed heat and power for use in homes, schools, hospitals, universities, and businesses. He believes biomass energy increases our energy diversity, creates jobs, retains revenues locally, and provides wildlife habitat and numerous other environmental benefits.

Great Allegheny Passage Sustainable Business Network (GAP SBN)

Reducing environmental impacts

The GAP SBN is a network of businesses along the Great Allegheny Passage that are committed to operating more sustainably. It is comprised of 17 members that are taking steps, large and small, to reduce environmental impacts. The mission of the GAP SBN is to support and promote local businesses in their efforts to pursue practices that are economically sound, environmentally conscious, and socially responsible for the benefit of businesses, consumers, and communities as a whole.

- Learn more at www.trailtowns.org/sbn/

National Road Heritage Corridor

Preserving the Route 40 heritage

U.S. Route 40 as it runs through Somerset, Fayette and Washington counties is the spine of the National Road Heritage Corridor and the focal point of an effort to preserve, enhance and promote the transportation heritage of the first public works project funded by the federal government. The National Road Heritage Corridor envisions a region where communities proudly welcome visitors to share their traditions and resources. It envisions a corridor that will draw people to learn, to enjoy and a place in which to stay. Finally, it envisions the story of the National Road in Pennsylvania as an important part of the story of America...its movement, its growth, its development. It is a story of the past, for the present and for the future.

- Learn more at www.nationalroadpa.org

The Trail Town Program

Increasing economic potential of the Great Allegheny Passage

A project of The Progress Fund developed in conjunction with the Allegheny Trail Alliance to realize the economic potential of the Great Allegheny Passage (GAP). The program also works to address trail-wide issues and opportunities through regional cooperation and to build the connection “between trail and town,” so that there are safe and well-marked routes into the towns. We work extensively in nine communities, and offer basic services in other trail towns along the GAP. Program staff works with local and regional partners toward the vision of a corridor of revitalized trail-side communities that reap the economic benefits of trail-based tourism and recreation.

- Learn more at www.trailtowns.org

Fayette Energy Consultants

Energy Audits

Fayette Energy Consultants was founded in response to skyrocketing energy costs. Their energy auditors are Building Performance Institute trained and have the skills and diagnostic equipment to save you money on your energy costs. They will showcase high tech tools and techniques used during an energy audit and will explain the importance of an energy audit and energy efficiency improvements before switching to renewable energy sources.

- Learn more at <http://fayetteenergy.com/>