



WPPSEF
WEST PENN POWER
SUSTAINABLE
ENERGY FUND

e news



July 2017

How will your project change *your* community?

Project Showcase

State College Community Land Trust Breaks Ground on Zero Energy Ready, Affordable Duplex with \$450,000 in support from WPPSEF

A groundbreaking event was held Sunday, June 25, for State College Community Land Trust's new Zero Energy Ready, affordable duplex on University Drive.



A collaborative project to build two new, affordable, energy-efficient homes for middle income individuals and families in State College will soon be a reality.

The State College Community Land Trust (SCCLT) was awarded a \$100,000 grant and a \$350,000 construction loan from WPPSEF to help fund the construction of this affordable duplex equipped with green energy technology in the Borough of State College.

U.S. Department of Energy's Zero Energy Ready Home program represents a whole new level of home performance, with rigorous requirements that ensure outstanding levels of energy savings, comfort, health and durability.

Susan Venegoni, SCCLT president, said, "Project funding from WPPSEF enables our Land Trust to expand affordable housing to middle-income households in the Borough of State College. For 20 years, the SCCLT has focused on increasing housing opportunities for low to moderate income households. Through our GreenBuild project, we will be able to help two middle income individuals or families to buy a Land Trust duplex and lower their overall housing costs by reducing energy costs."

Joel Morrison, Director of West Penn Power Sustainable Energy Fund, said "Our financial support will help this community to showcase the benefits from a project that began when SCCLT met with the Penn State Hamer Center and challenged the architecture and engineering students to form a team to compete in the 2015 U.S. Department of Energy (DOE) Race to Zero Student Design Competition. This competition challenges and inspires the next generation of building science professionals to design an affordable, net zero energy home that meets DOE's Zero Energy Ready Home guidelines. By definition, these high-performance homes are so energy-efficient that renewable power can offset most or all of the annual energy consumption," he said. "This design program will foster existing and future collaboration with university architectural and engineering students to deploy high performance construction practices in their local communities. We are proud to pioneer this new GreenBuild initiative along with State College Community Land Trust to provide affordable, high performance housing."

GreenBuild will benefit not only the people who own the homes, but also will serve as a model for builders, developers, architects and individual homeowners seeking new ways to reduce energy costs.

[Learn more about GreenBuild.](#)



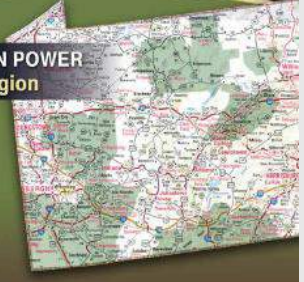
Visit our website

Who We Are

- 🎯 Mission Driven
- 🎯 501(c)(3) Non-profit
- 🎯 Since 2001, \$24 Million Committed to Support Sustainable Energy Development



WEST PENN POWER
Service Region



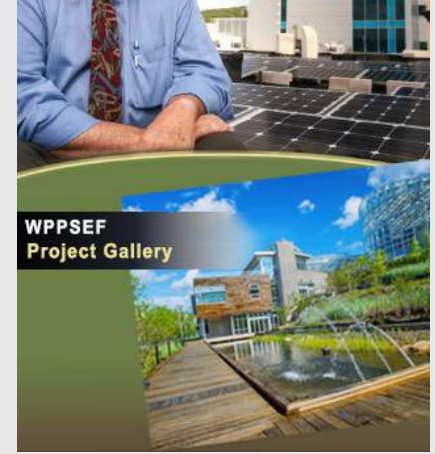
Apply for funding



What We Do

- 🎯 We are here to help you change your community with your project





Certification

Certified Passive House Consultant/Designer Training
September 18 - September 22, 2017 | Pittsburgh, PA



Learn how to design and build buildings to Passive House standards while earning your Certified Passive House Consultant or Designer credential with local instructors. Passive House is a rigorous standard for building energy efficiency, focusing on minimal heating, cooling, and ventilation loads aligned with passive heating and cooling techniques like orientation, massing, and solar shading. This international standard is operated by the Passive House Institute (PHI), which delivers the highest quality training and certification through accredited providers.

Learning Objectives

- Gain an in-depth understanding of the Passive House building standard, including its intent, requirements, history, the players involved, some common misconceptions, and its applications for both residential and commercial buildings.
- Learn the basics of building science as an essential piece of the Passive House standard.
- Explore the theories behind the Passive House building standard and put them into practice during in-class design and critique sessions.
- Learn to use the Passive House Planning Package (PHPP) energy modeling software as part of being adequately prepared to pass the Certified Passive House Designer exam and become a fully credentialed CPHD.

If you are a building professional interested in designing Passive, register for this 5-day certification course. To learn more about PassivHaus and its role in your life, visit [The Passive House Resource](#).

Made possible with the support of WPPSEF in collaboration with Green Building Alliance. [Learn More or Register](#).

Kudos

PA Wilds has just made it easier to find something to do this summer. A new website where you can explore landscapes or take a journey was launched by the folks in the Pennsylvania Wilds and it'll make you want to play hooky and spend the day north of Route 80.

Today, the Pennsylvania Wilds is one of the best outdoor recreation destinations in North America. Largely rural and forested, the region has a rich history and culture. It is home to more than 2 million acres of public land, 50 state game lands, 29 state parks, 8 state forests, 2 National Wild & Scenic Rivers, abundant wildlife, hundreds of miles of land and water trails, some of the darkest skies in the country, and the largest elk herd in the northeast. Lose (or find!) yourself in the Pennsylvania Wilds lifestyle.

[Learn More](#).



Sustainable Energy Fund (SEF) to host EnergyPath, the region's largest sustainable energy event attracting industry professionals, policymakers and academia throughout the region and across the United States. The goal of EnergyPath is to increase the knowledge of and passion for sustainable energy in the leaders of today and tomorrow.



Opening Speaker: Neil Donahue, Ph.D., "The Impact of Greenhouse Gases on our Climate"

Lunch Panel: "Zero Emission Credits: Is Nuclear Power Carbon Neutral?"

WPPSEF Links

[Project Gallery](#)

[Video Gallery](#)

[Service Region](#)

[Leadership Team](#)

[Apply for Funding](#)

Featured Links

[Alliance for Green Heat](#)

[Frick Environmental Center](#)

[Green Building Alliance](#)

[Keystone Home Energy Loan Program](#)

[PA Environment Digest](#)

[PennSEF - Pennsylvania Sustainable Energy Finance Program](#)

[Pennsylvania Environmental Council](#)

[Pennsylvania Wilds](#)

[Shaver's Creek Environmental Center](#)



Lunch Panel: Zero Emission Credits: Is Nuclear Power Carbon Neutral?
Keynote Speaker: Eric Woodroof, Ph.D., "2017 Climate Data and Market Trends"

Energypath has something for everyone:

- Have you ever wanted to learn more about renewable technologies like Solar, Wind, Geothermal or Biomass Energy?
- Are you a business owner that would benefit from learning energy efficiency techniques to save money on energy bills?
- Are you looking to start an energy business or start a career in the energy industry?
- Do you have a new hire who needs a crash course in sustainable energy?

Energypath 2017

For Our Future: Carbon Reduction

July 27, 2017 | DeSales University in Center Valley, PA

WPPSEF is proud to be a sponsor of this annual event. See you there.

[Learn More.](#)

Stories

Filming has begun for the next three videos in the Quiet Ones series. This series was designed to show the essence of who we are and what we do and also to let you hear what our project partners have to say about us. We can't wait to share more stories with you.



Stay tuned for videos on:

PA Wilds - 2 million acres and home to some of the most spectacular wild lands east of the Mississippi. WPPSEF is investing here and helping to highlight sustainable energy practices as part of their regional tourism effort. There is a real connection between what the PA Wilds is doing and the sustainable energy community. Today, the Pennsylvania Wilds is one of the best outdoor recreation destinations in North America. Largely rural and forested, the region has a rich history and culture.

Envinity - Not your average contractor. Envinity is a collaborative, employee-owned company offering design, building, and energy services through a dynamic combination of expertise and creativity. And we knew them when they were only 2 people over 10 years ago when they came to us for a loan for an infrared camera. We helped a small business grow to strive to shape the community we live in by integrating imagination, function, and craftsmanship into high performance buildings and energy solutions.

Community Revitalization - Community programs are vital to rural communities, especially those in need. Seeding rural communities with sustainable energy technologies can make a difference by attracting outside capital and helping those in need spend less of their budget on energy. Fayette Community Action Agency has been a leader in developing programs that serve people and communities in need.

[Watch other videos.](#)

Events

Mid-Atlantic Biomass Energy Conference and Expo

September 12-14, 2017 | State College, PA



Hear firsthand the engaging perspectives of your peers in the biomass industry and learn about the state of biomass use for clean heat or combined heat and power projects in the mid-Atlantic region. Share a vision with others committed to the environmentally responsible use of biomass and network with various sectors of biomass including residential, small business, commercial, institutional, agricultural and industrial.

[Learn More.](#)

Did You Know?





The Seneca Pumped Storage Reservoir sits high above the Kinzua Dam on the Allegheny River near Warren, PA. The reservoir holds 2.1 billion gallons of water and covers 100 acres. The dam was completed in 1970 and built by the United States Army Corps of Engineers to regulate the Allegheny River as part of a larger flood control project, and, as a secondary role, to generate hydroelectric power. It created the Allegheny Reservoir, a lake that stretches 25 miles upriver. Pumped storage plants function similarly to a storage battery; they absorb excess power generated by such plants in off-peak hours, such as nighttime, using it to pump water into a reservoir. Later, when demand exceeds the base load, the flow of water from the reservoir generates additional electrical power to meet peak load demands. Cool huh?

Breaking News



Do you want to keep up with WPPSEF? If you want the most up-to-date information on sustainable energy investments in Pennsylvania, "Like Us" on [Facebook](#) and check us out on our [website](#). It is amazing what can happen among friends.



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We want to hear from you. Questions or comments about this publication can be sent to wppsef@ems.psu.edu.