



WPPSEF

WEST PENN POWER
SUSTAINABLE
ENERGY FUND

**Pennsylvania
Sustainable Energy
Board Annual Meeting**

An Update on WPPSEF Activities

December 7, 2011

Commonwealth Keystone Building

Discussion Points

- Review of Recent Funding Commitments
- Project Showcase
 - PA Home Energy transitioning to private sector
 - Home Performance with ENERGY STAR program sponsorship
 - Growth of workforce, expansion into municipal-, commercial-scale projects
 - PA Biomass Energy Association
 - Focus on thermal/ combined heat & power projects
 - Use of sustainable harvested biomass resources
- Future Efforts
 - Primary focus on Biomass and Energy Efficiency

2009-2011: Economic Downturn, Stimulus Funding, and Project
Uncertainty

FUNDING COMMITMENTS

Funding Commitments

Year	# Projects	Value	Key Funding Commitments
2011	10	\$414,000	Excelsa Health and Kiski School ASHRAE Level II energy audits, PA Biomass Energy Association, SEDDA-COG Municipal energy assessments, Completion of PA Home Energy transition (ACI Mid-Atlantic 2012 & 2013 Home Performance Conferences), PA Wind for Schools Program, Community Energy Events
2010	9	\$1,181,250	Women-In-Need Domestic Violence LEED, Borough of Chambersburg energy efficiency, Western Area Career Technical Center ENERGY STAR, Soy Energy biodiesel, PA Home Energy transition
2009	24	\$2,042,420	Saint Vincent LEED/ Solar PV Science Center, Plextronics Plexcore PV manufacturing, Learning Factory, PA Home Energy
Total			

A Showcase of Selected WPPSEF Projects

PROJECT SHOWCASE

PA Home Energy – The Story

- Program History
 - Program launch: August 3, 2007
 - Program infrastructure: December 2007
 - EPA approved: February 2008
 - Two National EPA Special Recognition Awards: March 2009 & 2010
 - ACI Pittsburgh Conference
 - PA Home Energy Conferences: 2008, 2009, and 2010.
- Residential energy efficiency
 - ENERGY STAR Qualified Homes
 - Home Performance with ENERGY STAR
- Service Providers
 - Training has been statewide, incentives offered
 - RESNET/ BPI base training, advanced BPI training (envelop, heat)
 - Quality Assurance: mentoring, audit reviews, test-out to EPA standards
 - Piloted performance based incentives, dual certification

PA Home Energy – Today

- PA Home Energy transition to the private sector is now 95% complete
 - Worked with AFC First Financial in Allentown, PA to integrate existing home program administrative infrastructure into their Keystone HELP and other loan programs
 - Contractor network, Q&A requirements, EPA reporting
 - Worked with EPA, DOE, and AFC First to transfer Home Performance with ENERGY STAR program sponsorship to AFC First Financial effective October 1, 2011.
 - Effective October 1, 2011, HPWES program transferred from EPA to DOE,
 - AFC First/ DOE HPWES model is first non-utility private company in the nation,
 - Worked with ACI to transform the PA Home Energy Conference into a larger, more sustainable, regional conference
 - Mid-Atlantic conference will be organized by ACI and modeled after the New England regional conference
 - Mid-Atlantic conference will be held in Fall of 2012 (Pittsburgh) and Fall 2013 (Philadelphia).
 - WPPSEF has worked with ACI (2008, 2009-2011, 2012-2013)

PA Home Energy – Today (cont'd)

- Workforce development
 - In Fall 2007
 - ~ 5-10 individuals trained BPI Building Analyst standards (“existing homes”)
 - ~ 5 individuals trained to RESNET standards (“new homes”)
 - From 2008-2011
 - PA Home Energy has trained and mentored more than 100 individuals to BPI/RESNET standards (offered supplemental training on solar site assessment, solar PV, solar hot water, geothermal heating & cooling, infrared imaging, and BPI Envelop)
 - PA Housing Finance Agency built off this foundation by incentivizing new home construction and required BPI Multifamily standards for use in its multifamily housing upgrades (worked with PHFA to offer BPI Multifamily trainings).
 - WPPSEF/DEP worked to develop curriculum for 1-day whole house trainings, trained 500+ contractors, AFC has fully integrated training into Keystone HELP program
 - ACT 129 and ARRA programs supported workforce development and projects
 - Today
 - WPPSEF has moved its training efforts to use on-line curriculum that is delivered by a local trainer, moving to support whole house training to grades 9-12.

WPPSEF Planned Activities in the 2012-2013 Timeframe

FUTURE EFFORTS

Future Efforts

- Biomass Heat/ Power
 - Launch PBEA
 - Work closely with USDA Wood Education and Resource Center, Northeast Thermal Biomass Working Group
- Energy Efficiency
 - Commercial/ institutional/ industrial-scale
 - Municipalities
- Community Energy Events
 - Work with local communities to educate
 - Provide project funding

Questions/ Comments

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