



WPPSEF

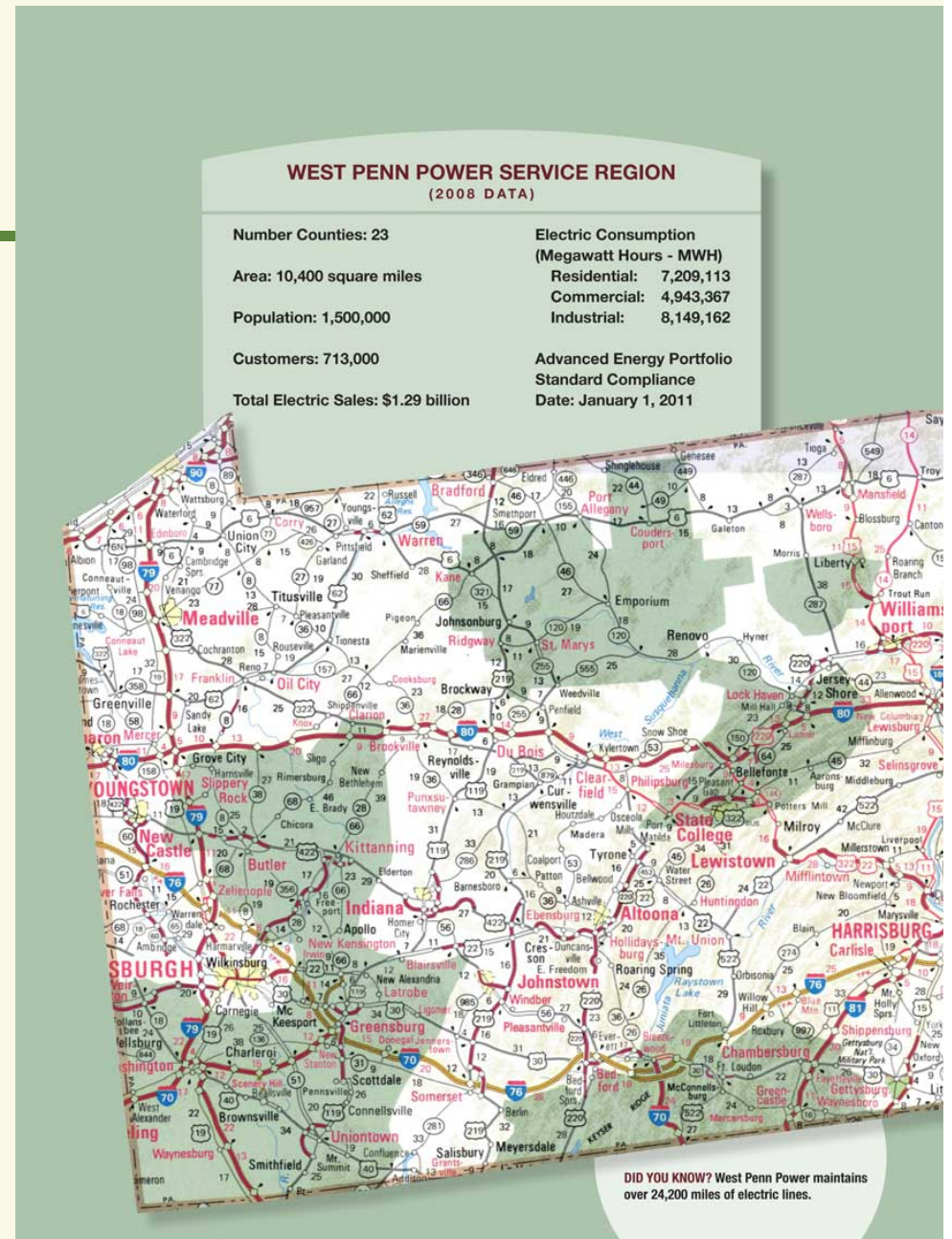
WEST PENN POWER
SUSTAINABLE
ENERGY FUND

Discussion Points

- Mission & Project Funding Summary
- 2013 Review
 - Funding Summary
 - Projects
 - WindStax Wind Power Systems (new)
 - Keystone Elk Country Alliance (new)
 - Alliance for Green Heat (new)
 - Phipps Conservatory (completed)
- Going Forward

Mission

- Mission elements
 - Clean power production
 - Energy efficiency & conservation
 - Three E's
 - Economic development
 - Environmental betterment
 - Education & outreach



Project Funding Summary

- WPPSEF seeks to place funds in an entrepreneurial manner to meet its mission while ensuring funds are committed in a sustainable, cost-effective manner.
- Funding overview:
 - Loans: 30+, \$25K-\$2M, 4-6% rate, 3-5 year term, secured
 - Grantmaking: 100+, \$500-\$150k, primarily for non-profits
 - Strategic Initiatives: 3, \$50k-\$1M+, strategic focus needed

New Funding Commitments - 2013

Funding Type	Number of Projects	Funding Commitment	Key Projects
Loans	1	\$300,000	WindStax Wind Power Systems
Grants	10	\$224,500	Keystone Elk Country Alliance, Biomass Thermal Energy Council, Farm Pilot Project Coordination, Three Oaks Subdivision, Clarion County Library System, Saint Vincent College, City of Connellsville, Slippery Rock University, Alliance for Green Heat, Brownsville Revitalization
TOTAL	11	\$524,500	

WindStax Wind Power Systems



- Vertical axis wind turbine, 20' and 40' units, lightweight (1,200 lbs)
- Start-up company located in Pittsburgh, monies for plant expansion, equipment, and working capital

Keystone Elk Country Alliance

OUTDOOR CLASSROOM

FOR

KEYSTONE ELK COUNTRY ALLIANCE

**134 HOMESTEAD DRIVE
BENEZETTE TOWNSHIP
BENEZETTE PA 15821**

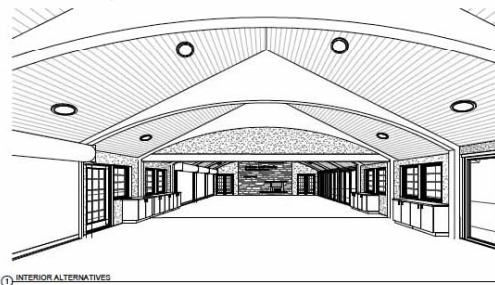
VICINITY MAP



MOSHIER STUDIO
ARCHITECTURE • INTERIORS • PLANNING • SUSTAINABLE DESIGN

DRAWING LIST

NUMBER	SHEET NAME
C101	COVER SHEET
A001	LIFE SAFETY, ACCESSIBILITY, GENERAL INFORMATION
A102	FOUNDATION PLAN, FRAMING PLAN, ROOF PLAN AND DETAILS
A101	FIRST FLOOR PLAN, PHASES 1 AND 2
A201	CEILING PLAN, PLAN DETAILS, FINISH PLAN AND SCHEDULE
A401	EXTERIOR ELEVATIONS, BUILDING SECTIONS
A402	BUILDING SECTIONS, FURNITURE PLANS
A601	WALL SECTIONS
A602	WALL SECTIONS AND DETAILS
A801	INTERIOR ELEVATIONS
A902	INTERIOR AND CASEWORK DETAILS



1. INTERIOR ALTERNATIVES



- Biomass “heating” system with thermal storage
- Integrated biomass system in LEED-designed pavilion, adjacent to LEED certified Elk Country visitor center
- ~ 200,000+ visitors
- Biomass education

Alliance for Green Heat



- Wood Stove Decathlon held on national mall in Washington DC on Nov. 15-19, modeled after solar decathlon
- WPPSEF monies used for Brookhaven National Lab stove testing

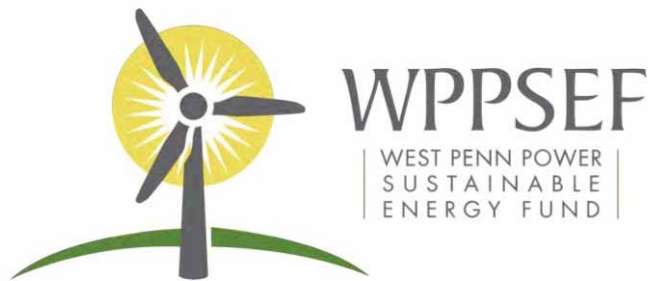
Showcased in Popular Mechanics/ National Geographic, Biomass Magazine

Phipps Conservatory

- Center for Sustainable Landscapes built to exceed LEED Platinum standards, part of Living Building Challenge.
- WPPSEF grant monies released as performance based milestones are met



Going Forward



Sustainable Energy Financing Request for Proposals

**Proposal Submission Deadline
January 14, 2014 (4:00 PM, EST)**

- RFP Focus Areas
 - Clean Heat/ Power
 - Energy Efficiency
 - Clean Energy Manufacturing

2014 Mid-Atlantic Biomass Heat & Power Conference

- Focused on biomass heat & power technologies that utilize sustainable biomass feedstocks for non-utility scale applications

