



How Some of Our Neighboring States Boost Energy Efficiency and Renewable Energy By Kathleen Cullen

Pennsylvania

- **Pennsylvania Alternative Energy Use Standards** require that electric distribution companies and electric generation suppliers provide 8% of electricity by using “Tier I” (e.g. solar, wind) energy sources and 10% using “Tier II” (e.g. waste coal, distributed generation) energy sources by May 31, 2021.
- **Major utilities** fund sustainable-energy programs to promote (1) development and use of renewable energy and advanced clean-energy technologies, (2) energy conservation and efficiency, and (3) sustainable-energy business development.
- **Energy Development Authority** funds innovative, advanced energy projects for businesses interested in locating or expanding their alternative-energy manufacturing or production operations in Pennsylvania.
- **Energy Harvest Program** finances implementation of clean and renewable-energy technologies that have measurable benefits in terms of pollution reduction, environmental quality and reduced energy use. Proposals must simultaneously reduce or supplement the use of conventional energy sources and lead to improvements in water or air quality.
- **Keystone Home Energy Loan Program** is a low-interest loan program for homeowners to make their homes more energy efficient. Unsecured loans from \$1,000 - \$10,000 at an 8.99% interest rate, Secured home equity loans are available for amounts from \$10,000 - \$35,000 at interest rates of 6.375% - 8.875%.

Ohio

- **Ohio Senate Bill 221** mandates utilities generate 25% of their retail electricity from alternative energy resources by 2025. Utilities are also required to implement energy

efficiency and peak demand reduction programs that achieve a cumulative energy savings of 22% by the end of 2025, and reduce peak demand by 1.0% in 2009 and 0.75% annually through 2018.

- **Energy Office** provides 25% cost-sharing up to \$50,000 for (1) industrial heat recovery, combined heat and power, and landfill or biomass methane for electric generation; (2) implementation of energy efficiency projects in manufacturing facilities; and (3) implementation of renewable energy projects for commercial, industrial, and government entities.
- **Corporate Tax Exemptions** provided for property used in energy conversion, thermal-efficiency improvements and the conversion of solid waste to energy.

Kentucky

- **April 2008 legislation for Energy Efficiency and Renewable Energy Tax Credits** provides (1) 30% tax credit up to \$1,000 on the installation costs of certain energy efficient equipment, e.g. energy efficient HVAC, at commercial properties; (2) 30% tax credit up to \$1,000 on the installation costs for residential and commercial solar, wind and geothermal systems, e.g. solar water-heating systems; (3) 30% tax credit up to \$500 on installation costs for residents who install energy efficiency equipment, e.g. heat pumps, on their principal residence.
- **Sections of the Energy Independence Act** offer (1) tax and financial incentives for the generation of electricity through renewable methods such as solar, wind, or biomass; and (2) refund of sales and use taxes to manufacturers on new or replacement machinery for energy efficiency projects.
- **Smart Saver™ Incentive Program** – Duke Energy offers its commercial and industrial customers cash rebates up to \$50,000 per calendar year per facility for installing energy efficient equipment in their facilities.

Tennessee

- **Wind Energy Systems Exemption** provides that wind energy systems operated by public utilities, businesses or industrial facilities shall not be taxed at more than one-third of their total installed cost.

EVENTS

WEBCAST: Introduction to Pumping System Assessment Tool will be held September 15, 2008. This webcast provides an overview of the Pumping System Assessment Tool (PSAT) used in SEN energy assessments. To register, go to <https://www1.gotomeeting.com/register/706506516>.

WEBCAST: Introduction to Fan System Assessment (FSAT) will be held September 23, 2008. This Webcast provides an introduction to the Fan System Assessment Tool (FSAT) software to help you evaluate and identify fan system improvements in your facility. To register go to <https://www1.gotomeeting.com/register/208025130>

International Pittsburgh Coal Conference sponsored by the University of Pittsburgh, School of Engineering will be held September 29 - October 2, 2008 at the Westin Convention Center, Pittsburgh, PA. This conference is dedicated to providing a unique opportunity for in-depth and focused exchange of technical information and policy issues among representatives from industry, government and academia throughout the world. For more information or to register, please log on to www.engr.pitt.edu/pcc/.

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- **Economic and Community Development Energy Division** offers clean energy technology grants (minimum of \$5,000, maximum of \$75,000) to businesses to install renewable energy systems.
- **Local Government Energy Efficiency Loan Program** offers low interest loans and free energy audits to municipal and county governments for energy efficiency-related projects in county buildings. Eligible projects can borrow up to \$500,000 at an approximate 3% interest rate.

- **Small Business Energy Load Program** offers low-interest loans of up to \$300,000, with terms of up to 7 years, for energy efficiency projects and other projects shown to save energy or decrease energy demand.

*The source for the information listed above is the Data-
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(DSIRE), <http://www.dsireusa.org/> and related legislative
and state links.*

Co-Funding Opportunities for IOF-WV Research Teams

<i>Announcement</i>	<i>Due Dates</i>	<i>Funding</i>
U.S. DOE SBIR Small Business Innovation Research Program Phase I FY- 2009 http://www.science.doe.gov/sbir/	Request for Proposals: September 15, 2008 Proposals Due: November 27, 2008	Estimated Funding: \$100,000 per award
U.S. DOE Pre-Combustion Carbon Capture Technologies for Coal-Based Gasification Plants	Request for Proposals: Now Open Proposals Due: October 14, 2008	Estimated Funding: \$24,000,000 expected to be available for new awards
U.S. Department of Energy Save Energy Now: State, Regional, and Local Delivery http://e-center.doe.gov	Request for Proposals: Now Open Letter of Intent Due: September 15, 2008 Proposals Due: October 16, 2008	Estimated funding: \$9,500,000 in total funding available (\$3,000,000 for FY2009 and \$6,500,000 for FY2011) \$300,000 to \$900,000 per award
National Science Foundation Partnerships for Innovation www.nsf.gov	Request for Proposals: Now Open Letter of Intent Due: October 31, 2008 Proposals Due: December 31, 2008	Estimated funding: \$9,500,000 in total funding available \$600,000 per award
National Science Foundation Small Business Innovation Research Program Phase I Solicitation FY-2009 www.nsf.gov	Request for Proposals: Now Open Proposals Due: November 4-December 4, 2008	Estimated funding: \$100,000 per award

Save the Date!

The 2008 IOF-WV Symposium will be held November 18-19, 2008 at the Charleston Marriott, Charleston, WV. For registration and sponsorship opportunities contact Kathleen Cullen at (304) 293- 2867 ext. 5426 or Kathleen.Cullen@mail.wvu.edu.



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