



Exciting New Opportunities for West Virginia Businesses

Energy Efficiency Revolving Loan Program to help West Virginia companies implement energy saving measures resulting from energy assessments

Jeff Herholdt, Director of the **West Virginia Division of Energy (WVDE)**, and David Warner, Director of the **West Virginia Economic Development Authority (WVEDA)**, announced that their offices will jointly establish an energy efficiency revolving loan program with an initial loan pool of \$2.75 million provided through the **American Recovery and Reinvestment Act (ARRA) of 2009**.

The funding is intended to support energy efficiency measures in industrial processes, energy management, and implementation of technologies that improve energy and environmental performance. Examples of projects to be supported include purchase of process equipment capitalizing on combined heat and power opportunities, waste heat recovery; fuel switching, and energy efficient pumps, motors and air systems. Efficiency measure to be supported with loan funds must be recommended through an industrial assessment by the **Industries of the Future- West Virginia (IOF-WV)** program based at **West Virginia University**.

The loan program will be administered by the WVDEA, the state lending agency supporting industrial modernization and business recruitment. Companies may apply for a maximum loan of \$400,000 at an interest rate of 4% with a payback period of up to 7 years. Loans will be marketed over a three-year period.

ARRA funds are to be used in accordance with the Buy American Act, prevailing wage requirements, and other conditions set forth in ARRA legislation. Additional details of the **Energy Efficiency Revolving Loan Program** will appear in future **IOF-WV Update** articles.

Other sources of financing for Energy Efficiency and Renewable Energy

Natural Capital Investment Fund - based in Shepherdstown, West Virginia provides affordable, flexible business loans to qualified businesses in the areas of green buildings, energy efficiency, and renewable energy. Examples of projects that qualify for these funds include

new construction of commercial properties that are built to an **Energy Star** or **LEED** standard, energy retrofits of commercial buildings that achieve at least 25% savings, equipment upgrades or electricity energy savings improvements that achieve a minimum of 25% reduction, renewable energy projects. (minimum \$2,000 max \$250,000). For more information, contact Marten Jenkins at (304) 876-2815 ext. 207 or see <http://www.ncifund.org/>.

Renewable electricity production tax credit (PTC) - is a per-kilowatt-hour federal tax credit for electricity generated by qualified energy resources and sold by the taxpayer to an unrelated person during the taxable year. The credit amount is 2.1¢ per kWh for wind, closed-loop biomass, and geothermal energy and 1.1¢ per kWh for open-loop biomass, landfill gas, municipal solid waste, qualified hydroelectric and marine and hydrokinetic. <http://www.irs.gov/pub/irs-pdf/f8835.pdf>

Business Energy Investment Tax Credit (ITC)/ Renewable Energy Grants - established through the AARA, allows taxpayers eligible for the PTC to take the federal business energy investment tax credit (ITC) or to receive a grant from the **U.S. Treasury Department** instead of taking the PTC for new installations. These tax credits and grants are available for solar, fuel cells, small wind turbines, geothermal systems, microturbines and combined heat and power. For example, with combined heat and power (CHP), the credit is equal to 10% of expenditures, with no maximum limit stated, while the grant is equal to 10% of the eligible cost basis of the property for CHP. Eligible CHP property generally includes systems up to 50 MW in capacity that exceeds 60% energy efficiency, subject to certain limitations and reductions for large systems. For more information visit <http://www.treas.gov/recovery/1603.shtml>.

Energy-Efficient New Homes Tax Credit for Home Builders - tax credits of up to \$2,000 for builders of all new energy-efficient homes, including manufactured homes constructed in accordance with the **Federal Manufactured Homes Construction and Safety Standards**. For more information visit, <http://www.irs.gov/businesses/small/industries/article/0,,id=155445.00.html>.

Rural Energy for America Program (REAP) Grants/ Loan Program - REAP provides grants and loans for agricultural producers and rural small businesses for (1) energy efficiency improvements and renewable energy

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EVENTS

Introduction to Compressed Air Systems Webcast presented by the U.S. DOE will be held August 3, 2009. It presents an overview of the Compressed Air Challenge (CAC) Toolkit and the AIRMaster+ software tool. To register, go to https://www1.gotomeeting.com/en_US/island/webinar/registration.tml?Action=rgoto&_sf=1

Waste Heat Management Options from Industrial Process Heating Systems Webcast presented by the U.S. DOE will be held August 20, 2009. Presentations will be on waste heat management options for process heating systems. To register, go to <https://www1.gotomeeting.com/register/626201273>

West Virginia Chamber of Commerce 2009 Annual Meeting will be held September 2-4, 2009 at the Greenbrier Resort in White Sulphur Springs, WV. For more information or to become a sponsor, please contact Maggie Poling at (304) 342-1115 or visit <http://www.wvchamber.com/>.

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systems, and (2) energy audits and renewable energy development assistance. **The U.S. Congress** has allocated future funding for this program: \$55 million for FY 2009, \$60 million for FY 2010, \$70 million for FY 2011, and \$70 million for FY 2012. Eligible renewable energy projects include wind, solar, biomass and geothermal; and hydrogen derived from biomass or water using wind, solar or geothermal energy sources. These grants are limited to 25% of a proposed project's cost, and a loan guarantee may not exceed \$25 million.

To determine if your business is located in a rural area visit the USDA's locator website at <http://eligibility.sc.egov.usda.gov/eligibility/welcomeAction.do>. The USDA uses the Small Business Administration's criteria for small businesses which is by business type – visit the SBA's website at <http://www.sba.gov/contractingopportunities/officials/size/index.html> to see if your business qualifies. For more information on REAP visit <http://www.rurdev.usda.gov/rbs/busp/bprogs.htm>.

U.S. Department of Energy Loan Guarantee Program - provides loans to projects for significantly improved technologies as compared to commercial technologies in three categories: (1) manufacturing projects, (2) stand-alone projects, and (3) large-scale integration projects that may combine multiple eligible renewable energy, energy efficiency and transmission technologies in accordance with a staged development scheme. The ARRA of 2009 extended the authority of the DOE to issue loan guarantees until September 30, 2011 and appropriated \$6 billion for this program. DOE will be issuing solicitations for funding at some time in the future. For more information, visit <http://www.lgprogram.energy.gov/>.

Information on other federal programs and incentives in other states is available at the **Database of State Incentives for Renewables and Efficiency (DSIRE)** at <http://www.dsireusa.org/>.

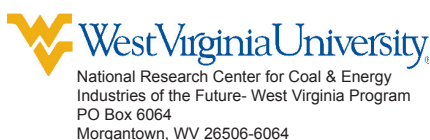
Co-Funding Opportunities for IOF-WV Research Teams

Announcement

Due Dates

Funding

Announcement	Due Dates	Funding
Recovery Act - Solid-State Lighting Product Development - Round VI https://www.fedconnect.net	Request for Proposals: Now Open Proposals Due: August 17, 2009	Estimated Funding: Approximately \$11,500,000 is expected to be available for 3-7 new awards
Recovery Act - Advanced Energy Efficiency Building Technologies https://www.fedconnect.net	Request for Proposals: Now Open Proposals Due: August 18, 2009	Estimated Funding: Approximately \$25,000,000 to \$75,000,000 is expected to be available for 45-90 new awards
Recovery Act - Training Program Development for Commercial Building Equipment Technicians, Building Operators, and Energy Commissioning Agents/Auditors https://www.fedconnect.net	Request for Proposals: Now Open Proposals Due: September 1, 2009	Estimated Funding: Estimated funding for new awards will be approximately \$7,500,000 for 10 to 30 awards.
Environmental Engineering http://www.nsf.gov/funding/	Request for Proposals: Now Open Proposals Due: August 15-September 15, 2009	Estimated Funding: TBD
Environmental Implications of Emerging Technologies http://www.nsf.gov/funding/	Request for Proposals: Now Open Proposals Due: August 15-September 15, 2009	Estimated Funding: TBD
Environmental Sustainability http://www.nsf.gov/funding/	Request for Proposals: Now Open Proposals Due: August 15-September 15, 2009	Estimated Funding: TBD
Science of Science and Innovation Policy (SciSIP) http://www.nsf.gov/funding/	Request for Proposals: Now Open Proposals Due: September 9, 2009	Estimated Funding: TBD



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Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable