



## Save Energy Now

William Orthwein, Project Manager, U.S. Department of Energy – Mid-Atlantic Regional Office, (215) 656-6957

The U.S. Department of Energy launched the **Save Energy Now** program in November 2005 to help American businesses, factories, and manufacturing facilities save energy and continue to thrive during this time of diminished supplies and rising energy costs. Energy supply disruptions caused by hurricanes Katrina and Rita, and recent hikes in energy prices, are impacting everyone in the United States, including the nation's industrial sector.

**Save Energy Now** is part of the national campaign unveiled by **DOE Secretary Samuel W. Bodman** to highlight ways for American industry to save energy throughout this winter, when prices are expected to remain high. The **Save Energy Now** initiative will provide U.S. industry with technical assistance and information to save energy and money and increase productivity right now.

As a key element of **Save Energy Now**, DOE is sending Energy Experts to the nation's most energy-intensive manufacturing facilities to conduct 200 Energy Savings Assessments. The purpose of the assessments is to identify immediate opportunities to save energy and money, primarily by focusing on steam and process heating systems. These processes consume nearly 80% of the energy used by U.S. industry.

Companies such as **3M, Alcoa, DuPont, the J. R. Simplot Company, Weyerhaeuser**, and others have benefited from assessments provided by energy experts using DOE software tools and technical information. These assessments continue to yield major bottom-line benefits for these companies as energy prices rise.

Also as part of this initiative, as many as 50,000 plants will receive detailed information on ways to reduce natural gas and electricity use. We invite you to take part in this initiative of U.S. manufacturers who are committed to saving energy and money and increasing their productivity right now. Read about the benefits of partnering with DOE and sign up to receive energy-saving information and updates from **Save Energy Now**.

## EVENTS

**Vision Shared Annual Event** will be held February 21, 2006 at the Clay Center in Charleston, WV. For more information visit [www.visionshared.com/](http://www.visionshared.com/).

**Small-Scale Cogeneration**, a 6-hour distance learning seminar sponsored by the Association of Energy Engineers, will be held on February 13, 2006. For more information, please log on to <http://www.aeecenter.org/realtime/cogen/>.

**Commercial HVAC Fundamentals: System Basics & Energy Efficiency Opportunities**, an 8-hour distance learning seminar sponsored by the Association of Energy Engineers, will be held on February 13, 2006. For more information, please log on to <http://www.aeecenter.org/realtime/hvac/>.

**Entrepreneurship Day at the State Capitol** will be held February 27, 2006 at the West Virginia State Capitol in Charleston, WV. For more information visit [www.visionshared.com/](http://www.visionshared.com/).

**Tri-State SBIR Forum - VA, NC, WV:** Research, Development and Funding Opportunities for Entrepreneurs and Innovators will be held March 21-23, 2006 at the Wyndham Hotel - Roanoke Airport, Roanoke, VA. For more information contact WV Small Business Development Center at (304) 558-2960 or visit [www.sw.edu/ptac](http://www.sw.edu/ptac).

## Industrial Gas Utilization Center Plans Two Workshops

Larry Banta, Associate Professor, WVU Department of Mechanical and Aerospace Engineering, (304) 293-3111 x2334

The **Industrial Gas Utilization Center (IGUC)** was established as an IOF-WV program, with funding from the **West Virginia Development Office**. The mission of the IGUC is to help manufacturers cope with recent, unprecedented increases in the cost of natural gas. As part of that mission, the IGUC will host two workshops in upcoming months. The first is a **DOE "Best Practices" workshop on Process Heating**. This workshop is tentatively scheduled for May 17 and will be held in the Parkersburg area. It will be a one-day intensive training for plant engineers and technical managers on how to improve the efficiency of all types of process heating systems such as industrial furnaces, lehrs and heaters. Instructors will cover a variety of topics ranging from combustion efficiency to heat transfer effectiveness, and will showcase new technologies and software tools to aid in identifying and prioritizing fuel saving opportunities in your plant.

In the summer, IGUC will host a Conference on **Synthesis Gas for Industrial Applications**. This conference will bring together industrial gas end-users with researchers, coal industry experts, and developers of coal gasification equipment. The objective will be to develop understanding and collaboration among these communities to accelerate the development of improved gasification technologies, promote the development and implementation of existing technologies and provide education on the current state of gasification as an alternative energy source for industrial end-users. Details will be forthcoming in future issues of the IOF-WV Update.

## West Virginia Companies Participating In the U.S. DOE's Save Energy Now Program

- AFG Industries
- Bayer
- Dow/Union Carbide
- Cytec Industries
- DuPont
- Mittal Steel USA
- PPG

## IOF-WV Contacts

**Kathleen Cullen**  
WVUNRCCE  
(304) 293-2867 ext. 5426  
[Kathleen.Cullen@mail.wvu.edu](mailto:Kathleen.Cullen@mail.wvu.edu)

**Jeff Herholdt**  
WV Development Office  
(304) 558-2234  
[jherholdt@wvdo.org](mailto:jherholdt@wvdo.org)

**Mike Carr**  
WVUNRCCE  
(304) 293-2867 ext. 5408  
[Mike.Carr@mail.wvu.edu](mailto:Mike.Carr@mail.wvu.edu)

**Carl Irwin**  
WVUNRCCE  
(304) 293-2867 ext. 5403  
[Carl.Irwin@mail.wvu.edu](mailto:Carl.Irwin@mail.wvu.edu)

## Co-Funding Opportunities for IOF–WV Research Teams

| Announcement   | Due Dates  | Funding  |
|--|--|--|
| U.S. Department of Energy/U.S. Department of Agriculture <b>Plant Feedstocks for Bioenergy: A Joint Research Solicitation - USDA, DOE</b><br><a href="http://e-center.doe.gov">http://e-center.doe.gov</a> | Now Open (Request for Proposals)<br>February 23, 2006 (Proposals Due)    | \$3,000,000 in total funding anticipated in FY 2006                      |
| U.S. Department of Energy <b>Low Impact Natural Gas and Oil (LINGO)</b><br><a href="http://e-center.doe.gov">http://e-center.doe.gov</a>   | Now Open (Request for Proposals)<br>February 28, 2006 (Proposals Due)    | \$1,300,00 in total funding anticipated for 3-4 awards                   |
| U.S. Department of Energy <b>Codes and Standards for the Hydrogen Economy</b><br><a href="http://e-center.doe.gov">http://e-center.doe.gov</a>   | Now Open (Request for Proposals)<br>March 10, 2006 (Proposals Due)       | \$6,000,000 in total funding anticipated                                 |
| U.S. Department of Energy <b>Office of FreedomCAR &amp; Vehicle Technologies FY06 Funding Opportunity Announcement</b><br><a href="http://e-center.doe.gov">http://e-center.doe.gov</a>                    | Now Open (Request for Proposals)<br>March 16, 2006 (Proposals Due)       | \$2,000,000 in total funding anticipated                                 |
| U.S. Department of Energy <b>High Temperature, High Pressure Drilling Program</b><br><a href="http://e-center.doe.gov">http://e-center.doe.gov</a>   | Now Open (Request for Proposals)<br>March 21, 2006 (Proposals Due)       | \$2,600,000 in total funding anticipated for 3-5 awards                  |
| U.S. Department of Transportation <b>SBIR</b><br><a href="http://sbirworld.com">http://sbirworld.com</a>   | February 15, 2006 (Request for Proposals)<br>May 1, 2006 (Proposals Due) | \$100,000 for phase I awards<br>\$100,000 to \$750,00 for Phase I Awards |
| U.S. Environmental Protection Agency <b>SBIR</b><br><a href="http://sbirworld.com">http://sbirworld.com</a>  | March 23, 2006 (Request for Proposals)<br>May 24, 2006 (Proposals Due)   | \$100,000 for phase I awards<br>\$100,000 to \$750,00 for Phase I Awards |

## How Will Your Organization Deal with Soaring Energy Costs?

National Satellite Teleconference entitled “Industrial Efficiency Initiative: Save Energy, Maximize Profits” will be held March 9, 2006, at the WVU National Research Center for Coal & Energy. To register online, go to [www.nwfpa.org](http://www.nwfpa.org) and select WVU-NRCCE as the location you want to attend. For local information contact Mike Carr at (304) 293-2867 ext. 5408 or [Mike.Carr@mail.wvu.edu](mailto:Mike.Carr@mail.wvu.edu).



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**Industrial Technologies Program**  
Energy Efficiency & Renewable Energy  
U.S. Department of Energy