



## West Virginia is an Energy (Efficiency!) State

**Energy efficiency received lots of attention at the West Virginia State Capitol** on February 19th when IOF-WV and the WV Technology Association hosted the 9th Annual IOF-WV Day at the State Capitol.

**Twenty three exhibitors representing industry, academia, technology providers, and industry associations were set up along the hallways between the Senate and House Chambers:**

- **Industry:** NGK Spark Plugs, Star Plastics, Hughes Supply, ATK Tactical Propulsion and Controls, Appalachian Log Structures, J&M Industrial, Allegheny Process Systems, Marble King, Eagle Research Corporation
- **Academia:** WVU Office of Information Technology, Marshall University Technology Transfer Office, IOF-WV, Mine Safety Technology Consortium, Community and Technology College at WVU Tech
- **Technology Providers:** Biometric Services International, Skyway USA, Mountaineer Power and Fiber Optics, Robert C. Byrd Institute
- **Industry Associations:** West Virginia Technology Association, National Center for Electronics Recycling
- **Government:** West Virginia Department of Environmental Protection, West Virginia Development Office, Center for National Response

**The first ever “Governor’s Award for Excellence in Industrial Energy Efficiency” was presented to Quad Graphics of Martinsburg, WV** by Kelly Goes, Secretary of Commerce and Jeff Herholdt, Director, WV Division of Energy. Dotty Clayton, Richard Klingelsmith, and Rick Davenport received the award on behalf of Quad Graphics. The award was given in recognition of the company’s work with the IOF-WV Assessment team that resulted in annual energy cost savings of more than \$1.3 million per year.

**The Senate Economic Development Committee** met to discuss Industry Challenges and Energy Opportunities for West Virginia.

### EVENTS

**West Virginia Manufacturers Association Career & Jobs Fair** will be held April 8, 2009 at the Charleston Civic Center in Charleston, WV. To register as a vendor or participant contact Patty Barnhart at the WVMA at (304) 342-2123.

**Commercial HVAC Fundamentals: System Basics and Energy Efficiency Opportunities Online Seminar** sponsored by the Association of Energy Engineers will be held April 13, 2009. This seminar, presented in four live two-hour sessions, covers the basics of commercial air conditioning and heating equipment. To register, go to <http://www.aeecenter.org/realtime/HVAC/>.

**STaR Symposium 2009 sponsored by The West Virginia Higher Education Policy Commission** will be held April 14-15, 2009 and the Charleston Marriott Town Center Center in Charleston, WV. This biennial Science Technology and Research (STaR) Symposium provides a forum for West Virginia’s increasingly competitive science and technology enterprise. To register, go to <http://www.wvresearch.org/>.

- **Carl Irwin** was asked to describe the concept of “gray energy” technologies, i.e. energy efficiency measures, energy recycling, cofiring renewable and fossil fuels, and productive uses of CO<sub>2</sub>, as a near-term approach to improving industrial competitiveness and reducing greenhouse gas emissions.
- **Dotty Clayton of QuadGraphics in Martinsburg, WV** discussed Quad’s work with the IOF-WV industrial energy assessment team and made a strong case for developing even more programs that promote energy conservation. She recommended industrial energy conservation training at technical schools and instituting internships and co-op opportunities with an industrial energy emphasis at companies like Quad. By doing so, we can help our manufacturers improve energy conservation, educate our future workforce, and help stop the “industry drain” from West Virginia.
- **Michael McKechnie of Mountain View Builders/ Mountainview Solar and Wind, Berkeley Springs, WV** believes construction of energy efficient homes is a growth industry of the future. He and his wife live in a “Solar Decathlon” home that is equipped with solar panels for power and a solar hot water heater system. He told the committee that to be successful in promoting renewable energy, we need to be able to put excess capacity from small scale wind and solar energy back onto the grid. We also need a solar tax credit to make West Virginia companies such as his more competitive with those in other states. He thinks the green building industry could provide good jobs for displaced workers.

**The West Virginia Technology Association hosted an afternoon workshop entitled, “Green Energy: Economic Realities of Alternative Energy & Energy Efficiency,” that focused on green energy, public policy, and challenges facing alternative energy companies.**

- **Terrence O’Donnell of Bricker and Eckler, Columbus, Ohio** discussed Ohio Senate Bill 221 which is an alternative energy portfolio standard. The bill outlines progressive benchmarks,

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beginning in 2009, for the use of alternative energy resources leading to a requirement of "25% by 2025" - 25% of all kilowatt hours of electricity sold by electric utilities to retail electric consumers to be obtained from "alternative energy resources." At least half (12.5%) must be generated from "renewable energy resources" with the other half generated from "advanced energy resources."

- **David Mast of Utilities Dynamics**, Paducah, Kentucky discussed HB 2- "Kentucky Bluegrass Turns Green" that provides tax credits for energy efficient technology, education, and buildings and recapturing capacity through demand side management programs.

- **Brett Hively of Pure Blue Energy**, Charlotte, North Carolina described his company's work with delivering high value distribution, development services and support programs to solar, wind, and various other green energy technology manufactures.
- **Michael McKechnie, Mountain View Builders/ Mountain View Solar and Wind**, stated that it is becoming increasingly attractive to build homes that are energy efficient and how it is important to have distributed generation capacity available in the form of solar and/or wind generation.

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

<i>Announcement</i>	<i>Due Dates</i>	<i>Funding</i>
<b>U.S. Department of Agriculture Conservation Innovation Grants Fiscal Year (FY) 2009 Announcement for Program Funding (APF)</b> <a href="http://e-center.doe.gov">http://e-center.doe.gov</a>	<b>Request for Proposals:</b> Now Open <b>Proposal Due:</b> March 20, 2009	<b>Estimated Funding:</b> \$20 million in total funding anticipated
<b>U.S. Department of Energy Industrial Assessment Centers Technical Field Managers</b> <a href="http://e-center.doe.gov/">http://e-center.doe.gov/</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> March 24, 2009	<b>Estimated Funding:</b> \$4,500,000 in total estimated funding
<b>American Chemical Society New Directions Grant</b> <a href="http://portal.acs.org/">http://portal.acs.org/</a>	<b>Request for Proposals:</b> Now Open <b>Proposals Due:</b> March 29, 2009	<b>Estimated funding:</b> \$100,000 for two years

## Webcasts!

The following webcasts are presented by the U.S. DOE Industrial Technologies Program:


**Introduction to Process Heating Assessment and Survey Tool (PHAST)** webcast on March 6, 2009. This Webcast provides an overview of PHAST and how it can be used to target opportunities for energy savings.

**Introduction to Steam System Assessment Tool (SSAT) Suite** webcast on March 10, 2009. This Webcast provides an overview of the SSAT Suite and how it can be used to target opportunities for energy savings.

**Introduction to Pumping System Assessment Tool (PSAT)** webcast on April 3, 2009. This Webcast provides an overview of the PSAT and how it can be used to target opportunities for energy savings.

## Marble King Exhibit!

An exhibit of Marble King marbles entitled "West Virginia's Gift to the World - Marble King" will be shown from **November 2008 through April 2009** at the **Cultural Center in Charleston, WV**. Don't miss it!

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