

Summary of Recent Accomplishments through IOF-WV

- **Partnering and team building**
 - The WVDO views the IOF—WV program as an important industry retention tool. All WVDO industrial development representatives have been briefed on opportunities through IOF-WV and actively encourage their industrial clients to become involved in IOF-WV programs and to utilize OIT services.
 - WVU has incorporated the IOF-WV program into its applied research and extension programs as a way to help fulfill its mission as a land grant university. President Hardesty has championed the IOF—WV program with state leaders and has made WVU faculty/student research groups available to help provide technical assistance to WV companies.

- The WV Energy Efficiency Office (EEO) supports a Student Energy Intern Program that provides opportunities for graduate level engineering students from WVU and the WVU Institute of Technology to provide design assistance on IOF—WV projects. This State Energy Program (SEP) contractual initiative supports 15 on-site projects a year involving 75 engineering students annually.
- The WVEEO supports a Wood Industry Assistance Program as a SEP contractual initiative that assists the West Virginia forest products industry analyze and adopt new technologies.

- The WVEEO supports a Glass Industry Assistance Program as a SEP contractual initiative. This program serves as the technical arm of the Society for Glass Science and Practices to advance glass industry IOF—WV priorities. The Society’s quarterly meetings address current and future IOF-WV activities with project planning, proposal preparation and progress reports. The OIT supported project on laser cutting technologies for the glass industry provided the technology focus for the Society’s 1999 Annual Symposium at Oglebay Park, West Virginia.
- IOF-WV builds alliances with industry trade associations such as the WV Manufacturers Association, the WV Polymer Alliance Zone, the WV Steel Advisory Commission, the Society for Glass Sciences and Practices, WV Forestry Association, the Aluminum Association, and the American Iron and Steel Institute.

- IOF-WV seeks to leverage its effectiveness by working with other technology resource providers such as the WVU Industrial Assessment Center, the WV Manufacturing Extension Partnership, the WV High Technology Consortium Foundation, and the WV Wood Technology Center.

- IOF-WV encourages and facilitates WV groups to access OIT services such as Energy and Waste Audits, Motor Challenge, Steam Challenge, NICE³, Inventions and Innovations Program, and showcase events.

- **Industry sector project development**

- The six IOF—WV industry sectors hold monthly or quarterly meetings to identify and prioritize technology needs for their companies to remain competitive. These priorities form the basis for projects and proposal development initiatives by each industry group.
- Century Aluminum has made a major commitment to the IOF program and is now involved, with others, on two multi-million dollar projects to improve the efficiency of aluminum production.
- Weirton Steel Company was recently awarded the first successful NICE³ project in West Virginia history.

- The IOF-WV steel industry group has established an important collaboration with Oak Ridge National Laboratory and is working closely with the WV Steel Advisory Commission and WV Steel Futures, Inc.
- Fenton Art Glass, WVU and the DOE's Federal Energy Technology Center are partners on a project to develop the use of CO₂ lasers to replace a wasteful step in the production of blown hand glass.
- IOF-WV teams are working with Dupont, Rheox, the Polymer Alliance Zone of WV, Argonne National Laboratory, and WVU on proposals to reduce industrial waste.

- Four NICE³ pre-proposals have been prepared through IOF-WV working groups. WVU Professor B. Gopalakrishnan was instrumental in helping prepare Weirton Steel's successful NICE³ proposal.
- A project to evaluate the use of poultry litter to reduce acid mine drainage on abandoned surface mine sites was initiated as an SEP activity. This process could potentially be of benefit to both the mining and poultry industries.

- **Communications and technology transfer**
 - Jeff Herholdt, Ed Sneckenberger, and Carl Irwin made presentations on IOF-WV at Zenith 2000, the 1999 annual conference of all West Virginia county, regional and state economic development agencies.
 - The fall 1999 issue of West Virginia Executive, a quarterly business and professional publication with national distribution, featured a detailed article on the IOF-WV program.
 - In addition to his November 8, 1999 panel presentation on IOF-WV at the NASULGC conference in San Francisco, WVU President David Hardesty gave an invited luncheon address on February 10, 1999 at the 3rd OIT Symposium and Expo in Washington, D.C.

- The WVDO’s monthly television program, “Developments,” devoted two one-hour sessions to coverage of IOF—WV activities and program results. Jeff Herholdt and Carl Irwin were interviewed in both sessions, which were aired just prior to the 1998 and 1999 IOF-WV symposia.
- Carl Irwin made a presentation on IOF-WV at the 1998 National Association of State Energy Officials meeting in Portland, Oregon.
- Jeff Herholdt organized a panel session on state IOF programs at the DOE Region III Conference in Baltimore in April 1998. Carl Irwin was one of the invited panelists.

- In addition to numerous industry working group meetings throughout the year, annual IOF-WV symposia have been held in December 1997, December 1998, and November 1999. The annual symposia bring government, industry, and academic leaders together with participants from all six IOF-WV industry sectors, as well as with cross cutting technology companies. Attendance at the annual symposia ranges between 125 and 175 participants.
- IOF-WV sponsored a downlink site at WVU for a Motor Challenge Workshop in July 1998.