



Resources...Innovation...Results

IOF-WV Presentation to the WVMA Chemical Industry Committee

May 20, 2004

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National ITP Program

- Mandate for industrial energy efficiency and productivity
- *2020 Vision for the U.S. Chemical Industry and Technology Roadmaps*
 - Separations 2000
 - Reaction Engineering
 - New Process Chemistry
 - Nanomaterials
 - Materials Technology
 - Computational Fluid Dynamics
- Solicitations yearly for chemical and crosscut industries



IOF-WV Program

- Proposal development with industry, national laboratories, and university R&D groups
- Since 1997, more than 60 proposals have been written by IOF-WV teams with a 40% success rate
- Total funding of \$26.8 million - \$16.6 state and federal and \$10.2 million non-federal cost share



IOF-WV Chemical Awards

- *Separation and Recovery of Thermoplastics from Nylon Production Waste Streams*

Funding: \$100,000 (9 months) U.S. DOE OIT, STTR

Project partners: SDR Plastics Inc., WVU, Argonne National Laboratory

- *Plant-Wide Energy Efficiency Assessment at the New Martinsville, WV Bayer Plant*

Funding: \$100,000 (1 year) U.S. DOE OIT, BP

\$100,000 cost share

Principal partners: Bayer Corporation, WVU



IOF-WV Chemical Awards (con't)

- ***Energy Efficient Processes for Making Tackifier Dispersions used to make Pressure Sensitive Adhesives***

Funding: \$1,395,260 (3 years) U.S. DOE OIT
\$1,395,260 cost share

Project partners: WVU, Dyna-Tech Adhesives Inc., Charles Ross & Son Company, Mays Microsystems Inc., Argonne National Laboratory, Tulane University

- ***Center for Extrusion-Compounding of Additives for Superior Plastic Performance***

Funding: \$460,394 (1 year) WV Higher Education Policy Commission, \$11,547 cost share

Project partners: WVU, Polymer Alliance Zone, Chemical Alliance Zone, Bayer, Crompton Corp., SDR Plastics, Inc.



For Further Information

- National ITP Program website:
 - <http://www.eere.energy.gov/industry/>
- State ITP Program (IOF-WV) website:
 - <http://iofwv.nrcce.wvu.edu>