

<http://www.wvdo.org/community/eep.html>



West Virginia State Energy Program (SEP) Activities

Industries of the Future – West Virginia – The IOF-WV program, supported through U.S. DOE Special Projects funding, is a partnership effort between the Development Office (WVDO) and West Virginia University (WVU) on the state level and the U.S. DOE on the national level. Industrial sectors addressed include steel, aluminum, chemical/polymer, glass, metal-casting, wood products and mining. Since 1997, IOF-WV projects have obtained \$21,984,442 in competitively awarded federal and state funding and \$10,802,335 in non-federal cost share for a cumulative R&D value to the state of \$32,786,777.

Energy Assessment Program - Contract in place with West Virginia University (WVU) Industrial Assessment Center (IAC) to provide industrial assessments to West Virginia industries that are either below or above the energy consumption criteria established by DOE for the IAC centers. Assessments conducted in eleven plants in 2006 had identified total savings of 308,239 MMBTU, valued at \$3,706,655.

Lighting Demonstration Audit Grant Program - This matching grant program assists local schools, governments and non-profit hospitals in updating their indoor lighting to more efficient technologies. In calendar year 2006, lighting audits were conducted for 14 organizations. Annual savings identified were \$151,615, with an ROI of 2.97 years. In 2006 five grants for projects totaling \$105,000 were awarded.

Poultry House Biofilter Project - This initiative, developed by the WVU Extension Service, examines the use of a compostable biofilter to remove ammonia from poultry houses and reduce energy consumption by 50 percent. The biofilter has been constructed and testing is being conducted on flocks at WVU's Reymann Memorial Farm. The largest poultry producer in West Virginia, Pilgrim's Pride, is providing the birds and feed for the demonstration.

Building Energy Use Center - In cooperation with EEP, West Virginia University Institute of Technology (WVUIT) faculty have established a Building Energy Use Center, which is providing energy assessments and technical assistance to county school systems. The first activity of the Center was to sponsor four regional ENERGY STAR training workshops for county facility and financial personnel. Forty-two (80 percent) counties attended the sessions. The U.S. EPA, through the Cadmus Group, assisted in the training.

Assessment of Innovative Energy Opportunities in WV - A conference sponsored by the Marshall University Center for Business and Economic Research (CBER) was held on the most promising alternative energy technology opportunities for West Virginia. The conference, based on a CBER report for the EEP, addressed wind, landfill gas, poultry litter, wood waste, small/micro-hydro, enhanced oil recovery, coal-bed methane, coal gob, coal fines, and IGCC technologies. U.S. Department of Energy Assistant Secretary David Garman was the keynote speaker.