

KPPC - the Kentucky Pollution Prevention Center - is Kentucky's primary resource for advancing environmental sustainability, pollution prevention and energy efficiency. The center serves the state's businesses, industries and other organizations through technical assessments that identify opportunities and make recommendations to reduce energy use, water use and to help lower waste at its source. KPPC was established in 1994 at the University of Louisville J.B. Speed School of Engineering. The center has developed unique programs that are designed specifically to help business and industry realize the environmental and economic benefits of pollution prevention and energy management. All of KPPC's programs, highlighted below, are provided at no cost and can be replicated by other organizations.



Pollution Prevention Assessments P2 - In fiscal year 2007-2008 KPPC's P2 engineers completed 84 site visits and 641 on-site hours assisting Kentucky organizations throughout the state. An annual reduction of more than 966,000 lbs/yr of solid and hazardous waste was identified.



Energy Efficiency Assessments E2 - Through site visits and assessments, KPPC engineers helped Kentucky organizations identify reductions in electrical energy usage of 909,000 kilowatt hours and in natural gas consumption 289,000 MMBtus. The overall identified carbon release CO₂ reduction was 4,986,085 lbs/yr.



TDI – Technology Diffusion Initiative - Through TDI's Process Water Management efforts, companies reduced water usage by over 23 million gallons and reduced waste water by more than 16 million gallons with a cost savings of \$355,000. TDI's efforts were recognized with an EPA Water Efficiency Leader (WEL) Award for Non-Governmental Organizations in 2007.



KEEPS – Kentucky Energy Efficiency Program for Schools - KPPC offers a complete package of tools, training, coaching and expertise to help schools analyze and understand their energy consumption. Kentucky House Bill 2 Section 16 was signed into law on April 24, 2008 requiring all public school districts to enroll in the KEEPS program by January 1, 2010. Since its inception, KEEPS has saved Kentucky school districts more than \$1.28 million in energy costs.



KREC – Kentucky Rural Energy Consortium - KREC supports, coordinates, promotes and advances research, development and deployment of renewable energy and energy efficiency technologies, practices and outreach activities of importance to Kentucky. KREC also works to build public and private partnerships that support Kentucky's communities through the wise use of energy. KREC completed a number of important projects during fiscal year 2007-2008:

- Awarded \$1.44 million to seven energy-related research projects at Kentucky universities
- Published an energy "legislative prospectus" for Kentucky's General Assembly
- Received a USDA/25x'25 National Initiative Grand Challenge Award
- Completed a 25x'25 Roadmap-Charting Kentucky's Energy Future
- Secured \$1.96 million from the U.S. Department of Energy to continue KREC in 2009.



KIME – Kentucky Industrial Materials Exchange - KPPC established a free online service designed to help participants find other businesses that want to buy, sell, trade or simply recycle their waste materials. The types of materials exchanged through KIME range from chemicals, paints and coatings to construction materials, wood waste and agricultural by-products.