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KPPC's Environmental Sustainability Training Series and Upcoming Session

For more than 16 years, KPPC has provided technical training and learning opportunities for industrial, commercial and institutional organizations in all aspects of environmental performance and efficiency. In that time, the Center has conducted almost 650 training events statewide and nationally, attracting nearly 35,000 attendees.

With the expansion of KPPC's Environmental Sustainability program in 2010, the Center established an energy-specific training series designed for Kentucky industrial and commercial facilities. The training series included four Kentucky Save Energy Now Workshops held in 2010 across the Commonwealth to educate industries and manufacturing facilities about saving energy and lowering operating costs.



Nearly 100 attendees from dozens of industries and organizations participated in the first three U.S. DOE Best Practices workshops hosted by KPPC.

Also as part of its environmental sustainability training series, KPPC continues to host Industrial Technologies Program - Best Practices workshops featuring U.S. DOE certified trainers. Three workshops have been held on management of motor and compressed air systems management. A fourth workshop is scheduled for [July 27: Steam System Assessment Training](#). Registration is required by July 22.

These workshops are funded in part by the American Recovery and Reinvestment Act through the combined efforts of the following organizations: Kentucky Department for Energy Development and Independence, the U.S. Department of Energy and KPPC.

- Steam System
Assessment Training,
July 27, 8:00 a.m.-5:00
p.m. ET, Louisville

- Kentucky Energy Alliance
Facility Tour and
Roundtable, August 3,
10:00 a.m.-3:00 p.m. ET,
Erlanger

U.S. EPA Honors Winners of 2011 Presidential Green Chemistry Challenge Awards

At a June 20 awards ceremony in Washington, D.C., U.S. EPA recognized pioneering chemical technologies developed by leading researchers and industrial innovators who are making significant contributions to pollution prevention in the United States. These awards recognize the design of safer and more sustainable chemicals, processes and products that will protect Americans, particularly children, from exposure to harmful chemicals.



The [Presidential Green Chemistry Challenge Awards](#) are bestowed in five categories. The 2011 award winners are:

- Academic: "Towards Ending Our Dependence on Organic Solvents," Bruce H. Lipshutz, PhD, University of California, Santa Barbara
- Small business: "Integrated Production and Downstream Applications of Biobased Succinic Acid," BioAmber, Inc., Plymouth, Minnesota
- Greener synthetic pathways: "Production of Basic Chemicals from Renewable Feedstocks at Lower Cost," Genomatica, San Diego, California
- Greener reaction conditions: "NEXARTM Polymer Membrane Technology," Kraton Performance Polymers, LLC, Houston, Texas
- Designing greener chemicals: "Water-based Acrylic Alkyd Technology," The Sherwin-Williams Company, Cleveland, Ohio

An independent panel of technical experts convened by the American Chemical Society Green Chemistry Institute selected the 2011 winners from among scores of nominated technologies. During the program's life, the U.S. EPA has received more than 1,400 nominations and presented awards to 82 winners. Winning technologies alone are responsible for reducing the use or generation of more than 199 million pounds of hazardous chemicals, saving 21 billion gallons of water and eliminating 57 million pounds of carbon dioxide releases to the air. These benefits are in addition to significant energy and cost savings by the winners and their customers.

Green Tip of the Month

Involve Your Staff Members in Your Company's Environmental Sustainability Efforts

Being part of the team that keeps your facility clean and operating efficiently can help your employees develop a vested interest in your company's operations. To help foster this feeling, organize events that allow your employees to volunteer their time to help improve their

working environment. Sample events that KPPC clients have hosted for their employees include a plug-load treasure hunt to help identify energy efficiency opportunities, creating a certified wildlife habitat on company grounds and cleanup and recycling events.



On June 17, KPPC's Green Team organized a Campus Cleanup event for the employees at the University of Louisville ShelbyHurst Campus. Twenty-two volunteers scoured the campus roadways and areas surrounding the buildings, collecting litter and construction debris.

KPPC is Kentucky's primary resource to help businesses, industries and other organizations develop environmentally sustainable, cost-saving solutions for improved efficiency. Based at the University of Louisville J.B. Speed School of Engineering, KPPC provides technical information and assistance that is free, confidential and non-regulatory.

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Upcoming Training, Events and Conferences

Better Understanding the Southeast's Wind Energy Resources Webinar, June 28, 10:00-11:00 a.m. ET

The Southern Alliance for Clean Energy (SACE) continues its free webinar series with a presentation on wind energy resource analysis. These webinars allow participants to directly engage with SACE staff and learn about emerging clean energy technologies, opportunities and issues.

For the June webinar, experts will discuss their work examining wind energy resource. Dr. Michael Brower, Chief Technical Officer of AWS Truepower will discuss development, use, accuracies and areas for improvement of AWS Truepower's 80-meter state wind resource maps. Daniel Ancona, Vice President for Renewable Energy for Princeton Energy Resources International, will explain his research on wind shear: how real measured data relates to modeled wind data. [Register online.](#)

Rural Recycling Webinar, June 28, 2:00-3:30 p.m. ET

Join the Southeast Recycling Development Council for their free Summer Recycling Web Seminar Series. Topics addressed will include:



- Technology updates
- Accepting non-traditional materials
- Education and outreach on a dime
- Using "milk runs" to pool material

[Register online.](#)

KREC's June Quarterly Meeting, June 29, 11:30 a.m.-2:30 p.m. ET, Louisville

[Kentucky Renewable Energy Consortium](#) researchers will present their findings with final summary presentations and poster sessions. The meeting will include a special buffet-style lunch for all attendees.



The keynote speaker will be Dr. Sue Nokes from the University of Kentucky. Attendees will have the opportunity to discuss the projects and ask questions of KREC researchers about their work and the future of renewable energy research. [Register online.](#)

Green Washing: Aligning Product Claims with Consumer Expectations Webinar, July 12, 1:00-2:30 p.m. ET

With the growing popularity of "green" products, brand owners are increasingly using words such as "green," "sustainable," "environmentally friendly," "compostable"



and "renewable" to sell their goods. However, it is easy for a consumer to be confused or misled, due to the lack of clear definitions for these terms and oversight of their use. This webinar will discuss recent Federal Trade Commission guidelines related to green marketing, including a recent case against K-mart for making false claims about the biodegradability of a product. Examples of green marketing that are particularly confusing to consumers will be discussed, based on the 2007 TerraChoice report, "Seven Sins of Greenwashing." This webinar will clarify what is considered "accurate advertising," as compared to what

the public perceives as “greenwashing,” and will emphasize the importance of reputable certification programs to ensure that the public can make informed purchasing decisions. Having measureable and verifiable metrics ensures that consumers are not misled and enhances a company’s brand image. [Register online.](#)

Drinking Water and Wastewater System Energy Efficiency Workshops, July-August

Learn how to improve your water or wastewater treatment plant by using less energy. Hear case studies, discuss options and find solutions to your water and energy challenges.

Four sessions will be offered:

- London, July 20 - Cumberland Valley Area Development District
- Hopkinsville, July 21 - Pennyrite Area Development District
- Florence, August 24 - Northern Kentucky Area Development District
- Grayson, August 25 - FivCo Area Development District

The workshops are free and lunch will be provided. [Registration forms and more information](#) are available online.

Steam System Assessment Training, July 27, 8:00 a.m.-5:00 p.m. ET, Louisville

Industrial Technologies Program

The training covers the operation of typical steam systems and discusses methods of system efficiency improvement. The training is designed for end users - at the energy manager, steam system supervisor, engineer and operations level - who have steam system responsibilities in industrial and institutional plants. The course is divided into three major categories:

- Steam Generation Efficiency
- Resource Utilization Effectiveness
- Steam Distribution System Losses

The training will be led by U.S. DOE certified facilitator Debbie Bloom of Nalco Company. Ms. Bloom has worked for Nalco Company for over 34 years and is a principal consultant with the Technical Resource Center, supplying technical assistance for boiler system chemistries and equipment on a worldwide basis. Ms. Bloom vice chairs the Department of Energy’s Best Practices Steam Steering Committee and is an active member in the Best Practices and Technology Subcommittee.

[Register by July 22.](#) The cost is \$125 per person.

Presented as part of KPPC's environmental sustainability training series, this workshop will be offered in conjunction with the U.S. DOE's Industrial Technologies Program, and with support from [Nalco Company](#).



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Kentucky Energy Alliance Facility Tour and Roundtable, August 3, 10:00 a.m.-3:00 p.m. ET, Erlanger

Join KPPC for a tour of the United States Playing Card Company's Erlanger, Kentucky facility and see energy savings at work. For over 100 years, the United States Playing Card Company has been the leader in production and distribution of premier playing cards and a creator of innovative games.

The tour and roundtable are presented as part of KPPC's environmental sustainability training series. There is no fee to attend this event, and lunch will be provided. [Register online.](#)