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### **KPPC Recognized as ENERGY STAR Partner of the Year**

On April 12, KPPC received an ENERGY STAR Partner of the Year Award for Program Delivery during a ceremony in Washington, D.C. KPPC Executive Director Cam Metcalf says, "We are extremely proud to receive this prestigious national award that shows how the Center is progressing energy efficiency statewide across all sectors - industrial, commercial and institutional."



*Accepting the award on behalf of KPPC: (from left) Senior Engineer Bob Miles, Assistant Director Lissa McCracken and KEEPS Program Manager Fred Byrd (right).*

KPPC delivers a portfolio of programs that use ENERGY STAR's seven-step Guidelines for Energy Management to help its clients build self-sustaining energy management programs. Through its Environmental Sustainability (ES) program and KEEPS-Kentucky Energy Efficiency Program for Schools, KPPC promotes ENERGY STAR processes and resources in an effort to encourage behavioral and operational changes that implement best energy management practices as an effective business model. KPPC's focus is not on seeing its clients achieve a one-time cost savings, but on helping them build strong programs that will realize year-after-year sustainable results.

Ninety-seven Kentucky school districts participating in the KEEPS program are ENERGY STAR Partners, and through KPPC's Kentucky Save Energy Now initiative, 21 facilities have committed to reduce energy use by 2.5 percent per year for 10 years. In 2010, KPPC conducted 44 on-site energy efficiency assessments that identified more than 467,000 MMBtu in potential energy

savings with projected annual cost savings of \$1.6 million/year. Both programs are designed to help Kentucky reach its goal of reducing per capita energy consumption by at least 25 percent of the state's 1990 per capita energy use by 2012 and meeting 18 percent of the state's energy needs from efficiency improvements by the year 2025.

KPPC was among 111 [ENERGY STAR partners from across the country to be recognized](#), including manufacturers, retailers, public schools, hospitals, real estate companies and home builders.

## Celebrating Earth Day



How does your company celebrate Earth Day? This year in honor of Earth Day, KPPC hosted two brown bag information sessions at the University of Louisville Shelby Campus to help participants learn about home energy audits and composting basics. The free sessions featured guest speakers and were open to all Shelby Campus employees and the public.

Also, KPPC will hold a campus-cleanup, with volunteers removing litter from the grounds around the buildings and along the roadways at the Shelby Campus. Garbage bags, gloves and brooms will be provided by [Brightside](#) in Louisville. Getting employees together to help keep your facility and its surrounding areas clean is a great way to celebrate Earth Day.

For information on Earth Day-related events and activities around the country, visit the [U.S. EPA's website](#).

## Newsbits

- **2,500 Products Now Approved under U.S. EPA Safer Product Labeling Program**



### Look for the label!

As part of the Earth Day 2011 tribute and continued efforts to protect Americans' health, the U.S. EPA has announced that more than 2,500 products are now authorized by the agency under its [Design for the Environment \(DfE\) Safer Product](#)

[Labeling Program](#) to carry the DfE label. DfE-labeled products do not contain known chemicals of potential concern, like carcinogens, reproductive or developmental toxicants. Even minor product components, like dyes and fragrances, are screened for safety. EPA is also announcing that it soon will require manufacturers with products that bear the DfE logo to disclose their ingredients to consumers.

Before allowing the DfE logo to be used on a product label, EPA conducts a scientific evaluation to ensure that candidate products are formulated from the safest possible ingredients. The DfE label means that EPA has screened each ingredient for potential human health and environmental effects and that the product contains only ingredients that, in EPA's scientific opinion, pose the least concern among chemicals in their class.

EPA is also implementing a requirement effective immediately that new DfE-labeled products list all ingredients (other than trade secrets) on the product label or in another easily accessible location (such as a website, for example). New DfE-approved products also will have to meet additional life-cycle requirements such as sustainable packaging and limits on volatile organic compounds. The new disclosure and life-cycle requirements will be phased in for existing DfE products.

Products that carry the DfE label include all-purpose cleaners, laundry and dishwasher detergents, drain line maintainers, car and boat care and other products. Using DfE-labeled products significantly reduces exposures to chemicals that may be of concern to people's or environmental health.

- **Toilet Water Used for Drinking - Getting over the "Yuck Factor"**  
[From Sustainable Facility](#): According to recent reports, the island nation of Singapore is aggressively developing systems to recycle toilet water into tap water. The reports note this is necessary because the island, with 5 million people, currently imports water from nearby Malaysia.

The Singapore government believes this reliance on another country for drinking water is no longer in its country's self-interest, which most of its inhabitants agree. This is not happening just in Singapore, according to Klaus Reichardt, CEP and founder of Waterless Co., LLC, manufacturers of no-flush urinal systems and other restroom products. "It's even happening here in our own backyard."

Reichardt says that parts of Orange County, California, began purifying sewer water as far back as the 1970s. In recent years, due to California's chronic water problems, this capacity has been ramped-up significantly. "Many experts say water will likely be the oil of the 21st century," adds Reichardt. "Once we get over the 'yuck factor,' recycling sewer water will likely become more accepted. Thankfully, we have the technologies to do this safely."

It is estimated that nearly 900 million people worldwide currently lack access to safe drinking water. This number is expected to increase with population growth and as many emerging nations lift their living standards, amplified water consumption needs.

According to reports, among other steps in the water recycling process, sewer water travels through a process called microfiltration, passing through hundreds of membranes smaller than a human hair to remove impurities. It is then "zapped" with high intensity ultraviolet lights and hydrogen peroxide is added to kill remaining organisms.

"In Orange County, the water department even conducts tours so visitors can see how sewer water is converted to potable (drinkable) water," Reichardt says. "After the tour, most people are so impressed, they often feel comfortable drinking the water."

- **U.S. EPA Publishes National U.S. Greenhouse Gas Inventory**



This month, U.S. EPA [released the 16th annual U.S. greenhouse gas inventory](#). The final report shows overall emissions during 2009 decreased by 6.1 percent from the previous year. This downward trend was attributed to a decrease in fuel and electricity consumption across all U.S. economic sectors.

Total emissions of the six main greenhouse gases in 2009 were equivalent to 6,633 million metric tons of carbon dioxide. These gases include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulfur hexafluoride. The report indicates that overall emissions have grown by more than 7.3 percent from 1990 to 2009. Emissions in 2009 represent the lowest total U.S. annual GHG emissions since 1995. These numbers reflect the most up to date data at the time of publication.

**Mark your Calendar for these Upcoming Conferences and Events**

**Kentucky Recycling Interest Group Meeting**  
**May 4, 10:00 a.m.-2:00 p.m. ET-Richmond**

# K.R.I.G.



## Kentucky Recycling Interest Group

Join the Kentucky Recycling Interest Group (KRIG) for their next meeting, followed by a tour of the Eastern Kentucky University Recycling Center. Meeting topics will include:

- Review KRIG's Goals: Government, recyclers, industry and consumers working together
- Round Robin: Who is here?
- Show & Tell: Industries & ECU discuss their process and waste reduction effort
- A review of recycling in Kentucky and the grants made available to promote waste reduction
- EPA Region 4 presentation to FetterGroup for 2010 WasteWise Small Business Partner of the Year
- Review of Kentucky state and business waste reduction and recycling efforts
- Where do we go from here?

Registration is free and lunch will be provided. To register, send attendee name(s), title(s), company, city, phone number and number of employees at your location to Melissa Wiegand at [MelissaWiegand@templeinland.com](mailto:MelissaWiegand@templeinland.com) by April 29.

*Facilitated by the Kentucky Division of Waste Management, KRIG is a public-private partnership organization that promotes economically-viable, safe, energy-conserving and sustainable recycling and waste management practices. For additional information about KRIG, contact Shannon Powers at [ShannonL.Powers@ky.gov](mailto:ShannonL.Powers@ky.gov) or 502-564-6716.*

## **Kentucky Energy Alliance Facility Tour and Roundtable May 12, 1:00 - 4:30 p.m. ET-Bedford**

Energy Managers, Facility Engineers, Operators, Plant Managers and Maintenance Staff -- Join KPPC for a tour of LG&E's Trimble County Station and share experiences and expertise with other Kentucky companies working toward better energy management during the second meeting of the Kentucky Energy Alliance. The program includes:

- Kentucky Save Energy Now (KY SEN) Program Update and Member Awards
- Kentucky Energy Alliance Member Presentations and Roundtable Meeting
- LG&E Commercial Incentives
- LG&E Trimble County Plant Tour

Seating is limited. [Register online](#) or call KPPC at 502-852-0965.

## PSI's Spring/Summer 2011 Networking Webinar Series- May-July



The Product Stewardship Institute (PSI) is a national non-profit membership-based organization that works with state and local government agencies to partner with manufacturers, retailers, environmental groups, federal agencies and other key stakeholders to reduce the health and environmental impacts of consumer products. PSI takes a unique product stewardship approach to solving waste management problems by encouraging product design changes and mediating stakeholder dialogues. To educate interested parties about recent product stewardship legislation and initiatives, PSI coordinates series of Networking Conference Webinars to allow participants across the nation to listen to expert presentations and ask questions on timely product stewardship issues. [Upcoming webinar sessions](#) include:

- Lessons Learned from U.S. Electronics Recycling Laws: Designing New and Better Systems, May 11, 2:00-3:30 p.m. ET
- Who Pays for EPR? Producers, Consumer Fees, Taxes, and Political Perceptions, May 18, 1:00-2:30 p.m. ET
- Green Chemistry and the Manufacture of Non-toxic Drugs, June 9, 2:00-3:30 p.m. ET
- Promoting the Extraction of Virgin Materials: How Subsidies Impact Product Sustainability, June 15, 2:00-3:30 p.m. ET
- Green Washing: Aligning Product Claims with Consumer Expectations, July 12, 1:00-2:30 p.m. ET

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*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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