



## Sustainable Solutions Post



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## Industries Gather for Kentucky Energy Alliance Roundtable

Industry and state government representatives joined KPPC May 12 for the second meeting of the Kentucky Energy Alliance (KEA). Thirty-five people attended the meeting, which was held at the LG&E Trimble County Generating Station in Bedford, KY. Attendees received an overview of the plant's processes, source materials, by-products and capacity. LG&E speakers outlined the company's energy efficiency programs and the environmental considerations featured in the plant's recent expansion.



*Following the Roundtable, LG&E offered attendees a tour of the Trimble County Generating Station.*

Featured speaker, Jeff Hosp, Maintenance Manager for General Cable, provided a brief case history of his facility's recent energy efficiency efforts, highlighting the cost savings and significant reductions in energy usage achieved over the past three years. General Cable develops, designs and manufactures wire and cable products for the energy, industrial, specialty and communications markets. Their facility in Lawrenceburg, KY, was built in 1974 to make telephone cables and has expanded over time. Mr. Hosp outlined some of the steps the company has taken to improve its efficiency, including working with KPPC to conduct a baseline assessment of its energy use, modernizing some of their equipment and encouraging behavioral changes among its employees.

During the KEA roundtable discussion following the presentations, attendees talked about their concerns and experiences in trying to

improve energy efficiency at their facilities through power factor adjustments, installing new capacitor technologies and developing support from upper management to operations staff.

See [photos from the meeting](#).

*Save the Date: The next Kentucky Energy Alliance Facility Tour and Roundtable will be held August 5 at the United States Playing Card Company in Erlanger, KY.*

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## Three More Companies Join Kentucky Save Energy Now

Twenty-three companies have now signed on to the [Kentucky Save Energy Now \(KY SEN\) initiative](#), pledging to reduce energy use at their facilities by 2.5 percent per year for 10 years. The newest pledgers were recognized May 12 during the Kentucky Energy Alliance meeting, along with three pledgers who have reached the next level in the five-level awards program.



*Republic Conduit Projects Manager Victor Grazionale accepts the KY SEN award from KPPC's Richard Meisenhelder (right) and Lane Freiberger (left).*

Accepting [KY SEN recognition awards](#) at the meeting were: Republic Conduit (level-three), Cardinal Aluminum and Topy America, Inc. (both level-one). The two existing KY SEN pledgers recognized for successfully moving their energy management program up to level two in the process were General Cable of Lawrenceburg and Hausner Hard-Chrome of Owensboro. Level-two pledgers have instituted an energy management policy, established a cross-functional energy team and attended energy management training.

KPPC congratulates the newest KY SEN pledgers, as well as the companies that continue to implement their energy management programs. See [photos of all KY SEN awards](#).

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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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## Newsbits

- **KPPC Helps Collect Donations for Victims of Recent Tornadoes**  
The University of Louisville Staff Senate is collecting nonperishable food items and clothing to help victims of the April 27 tornadoes that went through six states. Acting as a drop-off site for the UofL Shelby Campus, KPPC collected 25 bags of donations for this effort.
- **Pepsi Releases New Recyclable and Compostable Cups**  
[From Resource Recycling](#): Beverage giant PepsiCo has unveiled a new line of fountain cups that are made from recycled PET and other renewable sources that will be made available to restaurants, stadiums, theme parks and institutions of higher learning. The beverage giant will now begin offering five cup options that are either recyclable or compostable. Included in the options are fully compostable paper and wax cups made from plant-based materials. Also offered are fully recyclable clear plastic cups, including one that is made from 20 percent rPET.

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## Green Tip of the Month

### *Strengthen your Facility's Waste Reduction and Management Programs*

Sign up as a Partner in [U.S. EPA's WasteWise program](#) and use their online tools to help collect, organize, analyze and report your facility's recycling and waste information. The [Re-TRAC reporting system](#) can help keep your data organized in a searchable, secure database, generate performance and trend reports, and calculate related greenhouse gas emissions.



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## Upcoming Training, Events and Conferences

### **Rigid Plastic Recycling Model Bale Specifications - Tips for MRF Managers, June 2, 2:00-3:30 p.m. ET - Webinar**

When plastics are collected and sorted, they are then compacted into



transportable bales. Bale specifications offer guidelines as to the type of material and limits to contamination so that recyclers can count on consistent material types. In May 2011, the Association of Postconsumer Plastics Recyclers (APR) released new model bale specifications for marketing recyclable "Bulky Rigid Plastics" and "Tubs and Lids." These model specifications are designed to increase the types of recyclable plastic collected and processed. This webinar will address these new bale specifications as well as growing domestic market trends for rigid, non-bottle containers.

The webinar will be geared towards MRF managers. Haulers, recycling

collection program managers and recycling industry officials are also encouraged to participate. [Register online.](#)

### **National Environmental Sustainability Summit, June 7-9, Detroit, MI**

The 8th annual [National Environmental Sustainability Summit](#) will attract national leaders from nonprofits, government, academia and business to exchange ideas on the most effective environmental sustainability programs and practices. Topics will include sustainable manufacturing, energy efficiency, green products design, pollution prevention, chemicals policy and environmental innovation.



At the Summit, KPPC engineers will present an in-depth energy management training session for pollution prevention practitioners. Also, KPPC Executive Director Cam Metcalf will join a panel to discuss the [Kentucky Save Energy Now](#) initiative and how other states can create similar programs.

### **Demand Management Webinar, June 22, 2:00-3:00 p.m. ET**

Explore the basics of demand pricing, smart metering equipment, securing/formatting demand interval data and using data to find opportunities for energy savings and load shedding/shifting opportunities. Real examples from industrial and large commercial facilities will be shared to develop load profiles, time-of-day analysis and powerful illustrations of potential energy and demand savings that can be used to communicate the potential and achieved savings with your staff members.

Presented as part of KPPC's environmental sustainability training series. [Register today for this free webinar.](#)

### **Workshops - Demand Management and Power Factor Fundamentals, June 30, 8:00 a.m.-5:00 p.m., Indianapolis, IN**

The Purdue University Technical Assistance Program (TAP) is partnering with Indianapolis Power & Light Company to provide these two half-day workshops for commercial and industrial energy users on June 30.

- Demand Management Workshop (8:00 a.m.-noon)  
Many companies can reduce energy costs by reducing their peak electricity demand each month. Utilities encourage this with different tariff structures and financial incentives. Attendees of this workshop will learn how to measure, monitor and control peak energy use as well as understand how their energy consumption profile impacts their bottom line.
- Fundamentals of Power Factor Workshop (1:00-5:00 p.m.)  
Low power factor is expensive and can be damaging to many systems. By attending this workshop, you will learn how improving your power factor will reduce electrical bills and increase your electrical system's capacity.

The cost is \$49 per workshop. [Register 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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