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## U.S. EPA's P2 Dialogue with States

*Message from KPPC Executive Director Cam Metcalf*

The U.S. EPA invited fifteen representatives of state pollution prevention (P2) programs to Washington, D.C. September 8-9 to open a dialogue on strengthening the national response to prevent pollution and areas for enhanced collaboration on similar state and federal P2 programs. As KPPC's executive director, I was invited and took part in the inaugural P2 dialogue with U.S. EPA headquarters and regional representatives. In his opening remarks, Steve Owens, Assistant Administrator of the Office of Chemical Safety and Pollution Prevention stressed that the president and Administrator Jackson's priorities for this administration were sustainability, climate change and environmental justice. AA Owens also stated that the administrator wants to get more resources to the states, non-governmental organizations, and local governments for P2 activities. He explained that U.S. EPA is doing an agency-wide review of all voluntary programs right now to determine what is working and whether these mini-programs are the best way to get P2 results.

Tanya Mottley, Director of EPA's P2 Division, explained the expectations for the dialogue and discussed EPA's 2010 – 2014 P2 Strategic Plan and five goals. She asked the states to discuss their goals for the next two years and all state program representatives agreed that strengthening or at least stabilizing funding for P2 programs was a priority due to depressed state economies. Promoting environmental management plans and systems to help clients identify and implement environmental and energy improvement projects is also critical to continued success of state P2 programs. The P2 provider's role is to move businesses from "random acts of excellence" to continual improvement through sustainable programs implemented by cross-functional teams in facilities. It was noted that rising energy costs are a big driver for clients seeking help from state P2 programs. Also, new sustainable design of products and green chemistry for reducing toxic chemicals in manufacturing processes are emerging as areas with new regulatory drivers that clients are seeking help from P2 technical assistance providers to address.

Next, the state representatives discussed their P2 goals for the next five years. It was noted that early on, state P2 programs had to legitimize P2 approaches for improving environmental performance but now, everyone is beginning to see the long-term benefits of P2 and the new challenge for programs is to remain relevant with the changing pressures on businesses and industries. Expanding environmental strategies to new technologies, methods and programs is essential to reducing energy use or eliminating waste at the source and requires new skills for service providers. Transferring this knowledge to agencies, businesses and the surrounding communities is crucial to ensure success. It is also important to

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continue making economic development a part of improving P2 assistance and working with new partners to foster collaboration and referrals to other assistance providers will increase overall environmental achievement.

Fifteen years after the start-up of KPPC, I feel the Center has a rare opportunity to spark a new era of environmental protection and energy efficiency in the Commonwealth and the nation. Pollution prevention, a long-standing priority for Kentucky, encourages companies, communities, governmental organizations and individuals to prevent pollution and waste before generation by implementing conservation techniques, promoting efficient re-use of materials, making production processes more sustainable and promoting the use of safer substances. Together with new technology development, these pollution prevention practices result in significant co-benefits, such as the conservation of raw materials, water and energy; reduction in the use of hazardous and high global-warming-potential materials; promotion of safer chemical substitutes; reduction of greenhouse gas emissions; and the elimination of pollutant transfers across air, water and land. Changes in P2 technical assistance and outreach have allowed KPPC to improve its services with even better performance-based results.

I would like to thank the U.S. EPA for opening the P2 dialogue with state programs and especially for covering the travel costs for coming to DC to participate...that's one expensive city to stay and eat in!

~Cam

### **Companies Recognized for KY SEN Pledge**

Fifteen companies from across Kentucky were recognized at an awards ceremony October 28 for their commitment to reducing energy usage through the [Kentucky Save Energy Now \(KY SEN\)](#) initiative. Administered by KPPC, KY SEN is modeled after the national Save Energy Now program which is run by the U.S. Department of Energy. It promotes and leverages the wide array of U.S. DOE resources, but is tailored to Kentucky companies and builds upon the technical expertise of KPPC's engineers.

KY SEN helps energy-intensive facilities build self-sustaining energy-savings programs. The goal is to reduce energy use in these facilities by 2.5 percent per year for 10 years. Through KY SEN, KPPC offers assessments, training, technology demonstrations, assistance with identifying project implementation resources and recognition of achievements.



*KY SEN pledgers received their awards on October 28.*

University of Louisville President, Dr. James Ramsey, Kentucky Energy and

Environment Cabinet Secretary, Dr. Len Peters, and KPPC Executive Director, Cam Metcalf presented the awards, highlighting the companies' progress through a five-level recognition program. The companies recognized on October 28 included:

**Level 1:** Sign the KY SEN pledge and develop an energy use baseline.

- Eckart America, Louisville
- General Cable, Lawrenceburg
- Hausner Hard-Chrome of Kentucky, Owensboro
- Pikeville College, Pikeville
- Publishers Printing Company, Shepherdsville
- Temple-Inland, Maysville

**Level 2:** Institute an energy management policy, establish a cross-functional energy team and attend energy management training.

- Altec Industries, Elizabethtown
- Greenlee Textron, Inc., Louisville
- Kindred Healthcare, Louisville
- TG Kentucky, Lebanon
- The United States Playing Card Company, Erlanger

**Level 3:** Assess operations for energy saving opportunities and develop an energy action plan for saving at least 2.5 percent/year.

- Central Motor Wheel of America, Paris
- Intertape Polymer Group-Richmond Plant, Richmond
- Reynolds Packaging-Louisville Laminating Plant, Louisville

**Level 5:** Develop an internal recognition program and mentor other KY SEN participants.

- Sherwin-Williams Richmond Plant, Richmond

*The KY SEN initiative is funded 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.*

## **Cabinet for Economic Development Seeks Additional Proposals for Energy Efficiency and Renewable Energy Initiatives**

The Kentucky Cabinet for Economic Development has issued a third Request for Proposals (RFP) for the purpose of awarding approximately \$250,000 in competitive funding for energy efficiency and renewable energy initiatives.

The RFP is seeking projects that introduce and demonstrate advanced energy savings and clean energy technologies in for-profit industrial, commercial and manufacturing facilities located in Kentucky. Two similar RFPs issued by the Cabinet earlier this year resulted in seven companies receiving more than \$4 million for energy efficiency projects.

This RFP seeks projects investing a minimum of \$1 million in the special focus areas of HVAC and steam plant upgrades, energy efficiency improvements for water treatment facilities and lighting retrofits.

Proposals are due no later than November 17 by 2:30 p.m. ET. RFP documents containing more detailed information on this funding opportunity can be found on the [state's procurement website](#) (click on the View Solicitation heading and select RFP 635 110000116).

Awards are made possible by the American Recovery and Reinvestment Act (ARRA), through the U.S. Department of Energy, as part of the Kentucky Department for Energy Development and Independence's State Energy Program.

### **Motor Systems Management—Opportunities, Resources and Regulations**

On October 5, 39 attendees gathered in Louisville for technical training on Motor Systems Management. KPPC sponsored the workshop as part of its environmental sustainability training series.



Stressing the importance of operating motors efficiently, U.S. DOE trainer Johnny Douglass said, "Just about everything that gets done in an industrial facility gets done by motors or at least supported by motors, like material handling, transport, fluid movement, HVAC, etc." He explained that since 20 percent of motor-driven systems are responsible for 80 percent of the energy use in a facility, energy managers and operators need to focus on identifying their biggest energy users so that they can make the biggest impact possible by addressing efficiency.

Guest speaker, David Brender of the Copper Development Association discussed a number of resources available to help operators understand how to manage their motors and make decisions concerning repairing or replacing failed systems. He also described the Energy Independence and Security Act - EISA (2007), which includes a standard that will raise motor efficiency level (rated at full load) on a majority of new motors manufactured after December 19, 2010. While less efficient motors will remain available until inventories run dry, eventually only the more efficient motors will be available to choose from. Additional information is available on the [National Electrical Manufacturers Association](#) (NEMA) website.

*This workshop was 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.*

### **Energy Awareness Month in Action**

For its part in supporting Energy Awareness Month, KPPC implemented a "Lighten the Load" initiative for the month of October. Staff members were encouraged to limit the use of small appliances (space heaters, fans, etc.) at their desks, bring lunches to work that did not require the use of the microwave, turn off lights in unoccupied rooms and other simple, no-cost actions that have a positive impact



on the environment.

KPPC's [Energy Awareness Month web page](#) also provided information about energy-saving ideas resources offered by KPPC and its partner organizations.

### Green Tip

#### Join in - America Recycles Day November 15

Since 1997, communities across the country have come together on November 15 to celebrate [America Recycles Day](#), a day dedicated to the promotion of recycling programs in the United States.

This year, take part in a planned community recycling event and encourage your company to expand its recycling program.



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

#### Free ENERGY STAR® Webinars—November

Visit the [ENERGY STAR® Training Center](#) for more information and to register for any of these sessions. (All webinars are Eastern Time.)

- Office Buildings: Rating Energy Performance with U.S. EPA's Portfolio Manager — November 16, 12:00 noon - 2:00 p.m.
- Commercial Real Estate: Best Practices to Improve Energy Performance — November 17, 12:00 noon - 2:00 p.m.
- Multifamily Benchmarking with U.S. EPA's Portfolio Manager — November 18, 12:00 noon - 1:30 p.m.



#### Green Chemistry 101: Safer Chemicals Mean Safer Products—November 9, 2:00 - 3:30 p.m. ET—Webinar

Green chemistry is the building block for creating safer, non-toxic products over their entire lifecycle and is, therefore, integral to achieving product stewardship goals. This introductory call will explore the connection between product stewardship and green chemistry. It will introduce you to the Principles of Product Stewardship, which require manufacturers to take responsibility for reducing the lifecycle environmental impacts of their products and to internalize reuse, recycling and other end-of-life management costs into the cost of doing business. The call will also explain how green chemistry can eliminate or reduce the use or production of hazardous substances in the material design phase of a product. Participants will also learn about a new policy statement from the North American Hazardous Materials Management Association that provides a bridge between the complementary fields of product stewardship and green chemistry. In addition, this call will explore how state and local governments are working to promote safer chemical practices.



For registration information, please visit the [Product Stewardship Institute website](#).

### **Fundamentals of Compressed Air Workshop—November 11, 8:00 a.m. - 4:30 p.m. ET—Louisville**

KPPC Technical Training for: Energy Managers, Facility Engineers, Operators, Plant Managers & Maintenance Staff.

Learn how to achieve cost savings of 15% to 25%. Presented as part of KPPC's environmental sustainability training series, this workshop is offered in conjunction with the U.S. DOE's Industrial Technologies Program. Participants will learn how to:

- Calculate the energy cost of compressed air in their facility
- Improve compressed air system efficiency and reliability
- Identify inappropriate uses of compressed air
- Establish a baseline by which they can measure improvements in compressed air performance and efficiency
- Match system supply to actual production requirements for pressure and flow
- Find and fix leaks
- Establish a leak prevention program
- Better control compressed air to improve productivity and profitability

Instructor: Dave Booth, Sullair – U.S. DOE certified facilitator with over 20 years of experience in the design, maintenance and installation of mechanical and electrical systems.

**Seating is Limited.** [Register online](#) or call 502-852-0965 by November 4.

Cost: The cost is \$199 per person, which includes continental breakfast, lunch, CEU certificate and workshop materials.

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### **How to Choose a Reputable Recycler: Update on the R2 and e-Stewards Certification Programs—November 18, 2:00 - 3:30 p.m. ET—Webinar**

Where do electronics go after they are collected? How can you trust that they end up where they supposedly go? What's the value in using certified recyclers? Under-regulated electronics recycling has contributed to the perpetuation of global toxic waste streams, imposing a threat to public health and safety. It is imperative to be able to identify recyclers that collect, handle and transport electronic waste in a socially, environmentally and ethically responsible manner. This call will discuss the two programs available for certifying electronics recyclers, Responsible Recycling ("R2") and e-Stewards, and focus on the practical aspects of choosing a reputable recycler for electronic waste.

For registration information, please visit the [Product Stewardship Institute](#)

[website.](#)

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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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