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Materials Exchanges Take Root

More and more of Kentucky's industries and businesses are exploring alternative ways to source their raw materials or manage their waste streams.

Exchanging industrial waste products is one option, and interest in the [Kentucky Industrial Materials Exchange \(KIME\)](#) online service has

grown steadily since officially launching five months ago. The service now has 74 registered companies and 44 approved materials listings. On average, 86 visitors browse the site each day, and several companies report that they have received inquiries from their KIME listings.



**Kentucky Industrial
Materials Exchange**

- John Simpson, Vice President, of SMS Tire Processing in Brodhead, says that he has received one inquiry so far from his KIME listing. A company in Knoxville, TN has contacted him about the tire rubber he has available, and he hopes to develop business



opportunities through his KIME listings. SMS is a tire collection/disposal company that shreds scrap tires to make rubber mulch and Tire Derived Fuel (TDF). The company also sells the wire removed from the shredded tires.

- A listing on the KIME Web site has generated several inquiries for a Louisville-based company that produces landscape mulch and processes raw material. The large volume of available wood waste could be used for mulch or hog fuel, and the company owner hopes to see business generated through the KIME service.

As your company sources raw materials or manages its waste streams, consider KIME as a resource. Some of the materials currently listed on KIME include:

- Available—boxes, pallets, teflon scrap, carbon fiber and reconditioned steel drums
- Wanted—acetone, nitric acid, hardwood waste, plastic pallets, steel drums and post industrial plastic scrap

If you have completed a successful exchange through the KIME service, [please let us know](#). Promoting successful exchanges will help other potential users see the benefits of this type of service, and as KIME expands, more and more industries can locate trading partners and sources of materials. Exchanging materials will help divert waste streams from Kentucky's landfills, reduce the amount of raw materials needed for production processes and help improve the efficiency and sustainability of our state.

Kentucky's Advances in Energy

A lot is happening in Kentucky when it comes to advancements in renewable energy and energy efficiency—from advanced research to job growth and national recognition for innovative efficiency programs. Just a sampling of recent announcements illustrates the variety of initiatives underway across the state.

- A national [Battery Manufacturing Research and Development Center](#) is coming to central Kentucky through a partnership between the state of Kentucky, the University of Kentucky, the University of Louisville and Argonne National Laboratory. Advanced lithium-ion batteries developed at the center may power the next generation of hybrid and plug-in cars.
- [Clean energy jobs in Kentucky](#) are growing steadily—up 10% between 1998 and 2007—according to new research from the Pew Charitable Trusts.
- The “Kilowatt Crackdown,” an energy efficiency contest involving 240 commercial buildings in Louisville, was recently [recognized by the U.S. Conference of Mayors](#). The year-long competition features ENERGY STAR® tools and resources, and is administered by the Louisville Energy Alliance.
- Warren County Public Schools was recognized for its commitment to reducing energy use at its facilities and educating students about the benefits of energy efficiency. The school district received one of the [2009 Stars of Energy Efficiency Awards](#) from the Alliance to Save Energy.
- Kentucky expects to receive [\\$52 million in Federal Stimulus funds](#) for efficiency and renewable energy projects. Governor Beshear's office plans to use the funds to support Kentucky's strategy for energy independence and create nearly 600 jobs.



Mississippi Governor Haley Barbour presented Don Douglass, KPPC Assistant Director, left, with the Innovator Award for the state of Kentucky on June 8 in Biloxi. Mr. Douglass accepted the award on behalf of KREC.

In addition, the Kentucky Renewable Energy Consortium—[KREC](#)—continues to implement the 25x'25 Roadmap for Kentucky, leading the state toward its ambitious energy goals.

Earlier this month, KREC received a [2009 Innovator Award](#) from Southern Growth Policies Board. The awards recognize creative initiatives that encourage economic opportunities relating to bio-products, alternative energy, and/or energy efficiency. Innovator Awards were presented to one organization from each of Southern Growth's 13 member states; KREC was selected as Kentucky's innovator.

Newsbits

- **Quantifying the Benefits of Pollution Prevention**
[From the Responsible Purchasing Network](#): The Responsible Purchasing Guide for Green Power now features two new calculators developed by EPA's Pollution Prevention (P2) Program to quantify emissions reductions and financial savings from implementing P2 activities. The Greenhouse Gas calculator tool helps show the link between P2 efforts and GHG emission reductions. The P2 Cost Calculator tool helps calculate the financial dollar savings from implementing P2 activities.
- **More Efficient Computer Servers**
The U.S. EPA has announced [ENERGY STAR requirements for computer servers](#). On average, computer servers that earn the Energy Star label will be 30 percent more energy efficient than standard servers. If all servers sold in the United States meet this new specification, energy cost savings would grow to \$800 million per year and prevent greenhouse gas emissions equivalent to those from more 1 million vehicles.

Mark your Calendar for these Upcoming Conferences and Events

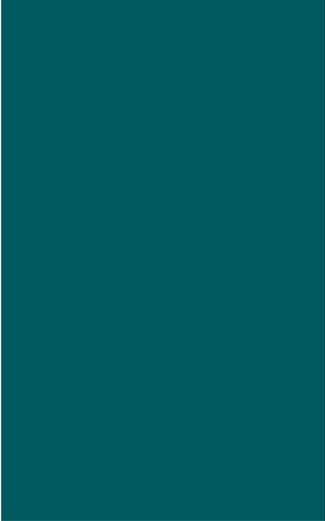
Current Recycling Market Update Webinar – July 15, 2:00 to 3:00 p.m. EDT

Hosted by the Association of Postconsumer Plastics Recyclers, [this webinar](#) will help local governments and recycling officials understand the current market. Presenters will discuss projections, trends and the impact from foreign markets, as well as factors affecting market price (including bio-based plastics).

Biodegradable Plastics 101 Webinar – July 16, 1:00 to 2:30 p.m. EDT

Mark your calendar for the [U.S. EPA's July Resource Conservation Challenge \(RCC\) Web Academy session](#).





TVA Public Input Scoping Meeting – July 30, 4:00 to 8:00 p.m. – Hopkinsville

The Tennessee Valley Authority will hold a series of [meetings to gather public input](#) on its Integrated Resource Plan (IRP), including options for generating electricity and managing natural resources for the next 20 years. The Hopkinsville meeting will be held at the James E. Bruce Convention Center, 303 Conference Center Drive, and attendees will have the opportunity to submit comments. TVA staff will be available to describe the power planning process, current generating facilities, end-user energy efficiency and demand reduction programs, natural and cultural resource management activities and the environmental studies being carried out for the IRP.

