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Visit KREC members and friends on **facebook** to share information, discuss ideas, ask questions or post items of interest to the renewable energy community and help get the word out about what's happening in renewable energy and energy efficiency in Kentucky.

Highlights of KREC's June Quarterly Meeting

KREC wrapped up its 2009-2011 Competitive Grants program with a June 29 meeting at Papa John's Cardinal Stadium in Louisville. The meeting was attended by more than 50 people who enjoyed a buffet-style lunch and heard from six KREC-funded researchers who presented final summaries of their projects as well as research posters detailing their findings. Since 2005, KREC has awarded more than \$2 million through its competitive grants programs to 14 research projects at the University of Kentucky and the University of Louisville.



Dr. Sue Nokes, keynote speaker at the meeting, discussed her initial 2005 KREC-funded grant and how it helped in securing a \$6.9 million DOE grant for the University of Kentucky Biosystems and Agricultural Engineering Department. The new grant, which begins in July, will support research for a new biofuels project at UK.

Dr. Mahendra Sunkara, Conn Center for Renewable Energy Research at the University of Louisville, talked about how KREC research funding helped his and



Contribute an Article to REnews!

KREC would like to publish your thoughts on renewable energy and energy efficiency in Kentucky in the "Members' Forum". Please send your opinions, articles or news about RE happenings in the Commonwealth to KREC@kppc.org. A short piece is preferable (300 or fewer words work best).

Make your voice heard – we want to give KREC members a forum to spread the word about renewable energy efforts and issues.

the Conn Center's efforts as they conducted research on large size, lithium ion batteries. Dr. Sunkara (next photo below) also received KREC funding in 2005 in the first competitive grants program.



Dr. Mark McGinley, University of Louisville (third photo below), discussed his research findings for cost-effective energy efficient school design. His research focused on evaluating building envelope systems, day-lighting and heating and cooling systems control and configuration.

Brent Bailey, State Facilitator for the National 25x'25 organization (last photo below), presented an update on recent 25x'25 activities and initiatives.

Mr. Bailey discussed ideas for exploring future opportunities for KREC to engage with other

renewable energy organizations around the country.

KPPC believes that continuing KREC's communications and outreach activities beyond DOE's funding period is important to support renewable energy initiatives that are crucial to Kentucky's energy future. After July 1, 2011, KPPC will provide KREC with the resources needed to continue communications and networking activities including REnews, Facebook and the [KREC website](#).

All KREC members will continue to receive the REnews e-newsletter each month and will have access to online resources through the KREC website at KPPC. We encourage your participation in 2011 as we seek new funding opportunities for future KREC initiatives.



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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Please [e-mail](#) us with your ideas for how KREC might continue to be a valuable resource, open forum and clearinghouse for information and discussions on renewable energy in Kentucky.

Visit the [KPPC Flickr Page](#) to see a gallery of photos from the meeting.

U.S. DOE to Host Fourth Annual Conference — Biomass 2011



On July 26–27, 2011, the U.S. Department of Energy's Biomass Program will host its fourth annual conference — Biomass 2011 — at the Gaylord National Resort and Convention Center in National Harbor, Maryland.

The U.S. DOE states that this year's conference will feature keynote speeches by U.S. Department of Energy Secretary Steven Chu and U.S. Department of Agriculture Secretary Tom Vilsack. New this year will be a robust general session debate on the best uses of biomass, along with interactive exhibits highlighting the Department of Energy's investments across the entire bioenergy supply chain. Biomass 2011 is free and open to the public, but participants must register in advance, and attendance is limited. According to DOE, registration is filling up fast, so [register](#) for Biomass 2011 as soon as possible.

Sponsorship and exhibiting opportunities are still available. For more information, please visit the [Biomass 2011 website](#).

25x'25 Will Host a New Webinar in July

25x'25 will be hosting a webinar, "National Wood-To-Energy Roadmap - A Guide for Developing Sustainable Woody Biomass Solutions," on **July 19, 2011 from 12:00 p.m. to 1:15 p.m. ET.**



The use of biomass for energy production has recently captured widespread interest as the United States strives to replace both domestic and foreign fossil fuels with home-grown, renewable energy. Biomass—including woody material from forests—is the only renewable energy source that can potentially provide a combination of heat, electricity and liquid transportation fuels.

This webinar will coincide with the 25x'25 Alliance's release of a new report, National Wood-To-Energy Roadmap - A Guide for Developing Sustainable Woody Biomass

Solutions, developed by the 25x'25 Wood-to-Energy Work Group. The report, and this webinar, explore four topics vital to the future of biomass energy in America: wood demand and supply, sustainability of forest resources, carbon and climate change and related policies. The report will be available on the [25x'25 website](http://www.25x25.org) on Monday, July 18, in advance of the webinar.

Session leaders are: Bill Carlson, Carlson Small Power Consultants, Michael Goergen, Society of American Foresters, Jimmie Powell, The Nature Conservancy, David Tenny, National Alliance of Forest Owners and Bryce Stokes, Department of Energy. The session moderator is Ernie Shea, 25x25.

How to participate (using both computer and phone)

Webinar participants must use Microsoft Internet Explorer as their web browser and pop-up blockers and session cookies must be enabled. Participants should visit <http://www.soundpatheview.com> before the webinar to test their system by clicking on the System Check link.

Step 1: Computer login

Go to <http://www.soundpatheview.com>

Participant code login: **2024193221**

Step 2: Phone call in

Call in number: 1-866-805-0848

Participant code: **2024193221**



DOE Highlights New Global Energy Efficiency Standard

*News from the 25x25 Weekly Newsletter:
REsource*



The U.S. DOE touted a new global energy efficiency and energy management standard that department officials say will help organizations worldwide save money in their buildings and industrial facilities. The new international standard, ISO 50001, will pave the way for long term energy savings and serve as a critical tool for the implementation of the Department's energy efficiency programs. The voluntary standard, developed by a project committee of 45 partnering countries from the International Organization for Standardization (ISO), provides organizations with a framework for continuous energy performance improvements.

The framework will encourage adoption of best practices that reduce the energy use of existing equipment and facilities, require the use of energy performance data to target cost-effective upgrades, and emphasize the design and installation of highly efficient energy systems and equipment. By increasing their operational efficiency, organizations that adopt the ISO 50001 standard will save money by saving energy. The ISO 50001 standard is available worldwide and can be applied across economic sectors. This tool will help leading organizations make high-quality, accessible and affordable energy improvements that can transform the marketplace for energy efficiency upgrades in businesses and institutions across the globe. Because industrial plants and commercial buildings make up 60 percent of the world's energy demand, the standard can play a key role in global energy efficiency efforts.

ISO 50001 addresses integrating energy efficiency into management practices; optimizing energy systems and related equipment with regard to overall system efficiency; benchmarking, measuring, documenting and reporting energy use, savings and reductions in greenhouse gas (GHG) emissions; and transparency and communication within organizations on the management of energy resources. The standard also covers design and procurement practices for energy efficient equipment, energy systems and processes. ISO officials say organizations adopting the standard can expect to achieve measurable energy savings in as little as two years.

