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Highlights of KREC's June Quarterly Meeting

KREC held its June Quarterly Meeting on the 24th at Spindletop Hall in Lexington. The meeting featured presentations from Dr. Keith Sharp, Dr. Vijay Singh and Dr. Mark McGinley, who reported on the progress of research from their KREC [Competitive Grants Program](#) projects. Frank Moore, from the Kentucky Department for Energy Development and Independence, spoke about the economic importance of a biomass industry in Kentucky.

Forty-six attendees, representing business, government, higher education and the public, showed a high level of interest in recent research and asked a number of questions about the economic and environmental impact of future renewable energy technologies.

In addition to receiving updates on KREC activities from KPPC Executive Director Cam Metcalf, and updates on KREC-funded research projects, attendees had the opportunity to network and share information about renewable energy initiatives, the emerging biomass industry and business opportunities in Kentucky.



University of Louisville Professor Keith Sharp discusses research progress on the KREC-funded solar pipe project.



After the meeting, attendees visited the University of Kentucky's Center for Applied Energy Research (CAER) [algae research lab](#). Researchers are investigating the potential for developing a commercially viable algae-based system for CO₂ mitigation from coal-fired power plants.

CAER researchers will also look into the possibility of producing biofuels or bioproducts from the algae. Visitors toured the facility and asked questions about CAER's renewable energy research.

The CAER's algae research greenhouse in operation. Algae is grown and harvested at the University of Kentucky facility.

KREC and KEEPS at the KCFC Transportation Workshop

KPPC staff representing KREC and KEEPS - Kentucky Energy Efficiency Program for Schools - attended the Kentucky Clean Fuels Coalition's Heavy Duty Hybrid Transportation Workshop on June 3 at TARC Corporate Offices in downtown Louisville.

The workshop featured speakers from UPS, TARC, Eaton Hybrid Solutions and the Clean Transportation Education Project. Hybrid commercial vehicles from Coca Cola, UPS, Hercules (Prairie Farms), TARC, Eaton and TEREX were on display for workshop attendees and company representatives were on hand to answer questions.

The workshop was one of only a few in the country focusing on hybrid technologies for commercial and heavy duty transportation. During the workshop, UPS, a major commercial delivery vehicle buyer, reported that they had recently added 200 hybrid electric vehicles to their fleet. The 200 HEVs are expected to save 176,000 gallons of fuel and reduce CO₂ emissions by 1,786 metric tons per year.

KCFC announced at the event that Kentucky will have the largest hybrid electric school bus fleet in the nation in August when delivery of the buses begins. Speakers from IC Bus and Thomas Built Bus were on hand to discuss the technology. You can find speaker presentations from the June 3 workshop on KCFC's [website](#).



A representative from TEREX explains how an

all-electric lift system works on a commercial vehicle, eliminating the need for power from the engine while using the lift.

Mark Your Calendar for KREC's *Wind Energy in Kentucky* Webinar

Does Kentucky have what it takes to harvest wind energy? KREC and the Kentucky Department for Energy Development and Independence will host a special *Wind Energy in Kentucky* Webinar on July 23 to begin an interactive conversation with experts in the field.

The webinar will provide an overview of wind energy potential in the Commonwealth, an industry perspective on wind power in Kentucky and a look at collecting wind speed data for small scale wind projects.

Invited speakers include Peggy Beltrone from Exergy Development Group, Jeff Reinkemeyer from Iberdrola and Katie Stokes from the Eastern Kentucky & TVA Wind Working Group.

Webinar details and registration information will be sent to KREC members in early July.



TVA Resumes Renewable Energy Pilot Project

The Tennessee Valley Authority has announced that it is resuming new enrollments in its [Generation Partners pilot project](#) to encourage renewable energy use across the TVA service territory, which includes counties in south central and western Kentucky. The action allows participation by residential and commercial renewable energy projects of up to 200 kilowatts.

Generation Partners provides technical support and incentives for the installation of renewable generation systems. The program makes more green power available for GPS subscribers, and it creates a market for green power generation by homeowners and businesses.

Program participants support the environment by helping keep the Tennessee Valley clean and green. They also benefit by defraying the costs of their renewable system installation and lowering their monthly energy bills through the revenue they receive from the sale of the green power.

The Authority, which is owned by the U.S. Government, provides electricity for utility and business customers in most of Tennessee and parts of Alabama, Mississippi, Kentucky, Georgia, North Carolina and Virginia.



Remember to join KREC members and friends of renewable energy on KREC's new [Facebook page](#). The page offers visitors the opportunity to share information, discuss ideas, ask questions or post items of interest to the renewable energy community. To view the page, log onto your Facebook account (required) and type "KREC Kentucky" in the search field. Facebook, in conjunction with the [KREC website](#), will help get the word out about what's happening in renewable energy and energy efficiency in Kentucky. KREC and [KEEPS](#) - Kentucky Energy Efficiency Program for Schools - are KPPC's new members of the Facebook community.

A Special Thanks to KREC's Program Coordinator

Robert Hash, KREC Program Coordinator, is leaving KPPC this month. We would like to thank Rob for all that he has done over the past several years to keep KREC moving forward. Through his efforts as coordinator, KREC's membership, activities and outreach programs have all expanded and become more effective in helping advance renewable energy initiatives in the Commonwealth. We wish Rob the best of luck! Please contact [Dennis Smith](#), KREC Public Information Officer, for any questions about KREC activities, or call (502) 852-0965.

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 works best).

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



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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