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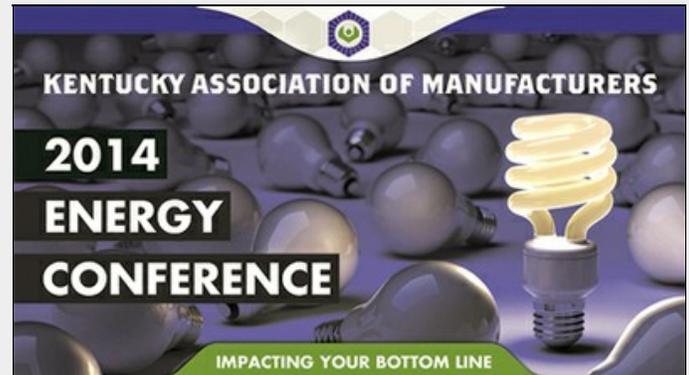
Join KPPC at the 2014 KAM Conference

Join us at this year's Kentucky Association of Manufacturers (KAM) Conference. KPPC will be presenting a breakout session at the conference called "Tracking and Acting to Impact Your Bottom Line" on May 14. The session will be "hands-on" and interactive, allowing participants to use laptop computers with a custom spreadsheet tool to track and act upon energy usage in different scenarios.

KAM Conference topics include energy, sustainability, cost savings and energy management strategies. The conference supports KAM's mission to create and protect a manufacturing-friendly environment in Kentucky. KAM educates, connects and provides cost-saving programs and products to members.

Sponsorships and Trade Show Booth space is still available for vendors until April 25.

[Learn more and register](#) for the conference.



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First Leigh Ann Conn Prize for Renewable Energy Awarded

Conn Prize winner calls for more investment in renewable energy

by John R. Karman III, for UofL Today

With the clock ticking on fossil fuels, Swiss chemist Michael Graetzel, pictured below, believes the time is now for further investment in and commercialization of various forms of renewable energy. Graetzel, winner of the first Leigh Ann Conn Prize for Renewable Energy, spoke at the Rauch Planetarium on March 17.

Professor Graetzel is director of the Laboratory of Photonics and Interfaces at the Ecole Polytechnique Federale de Lausanne, Switzerland. He was here to receive the University of Louisville's first \$50,000 Leigh Ann Conn Prize for Renewable Energy.

Graetzel earned the award for his discovery of a semi-flexible solar cell that is easier and less costly to produce than silicon-based cells. The "Graetzel cell," as it is known, is a dye-sensitized cell that merges nanoscience with photo conversion. It has the ability to convert sunlight into electricity using earth-abundant materials. Mass production of the cells began in 2009.

Graetzel told the audience that further commercialization of his work on solar cells has been slowed by a lack of funding and of engineers and companies willing to take a chance on bringing new products to market. But with a dwindling supply of traditional fuel sources, Graetzel warned that the risk of not further developing renewable energy "is too big not to be taken."



The prize, managed by UofL's Conn Center for Renewable Energy Research at the Speed School, is named for

the late daughter of Hank and Rebecca Conn, who are center supporters and the prize benefactors. The honor recognizes outstanding renewable energy ideas and achievements with proven global impact.

More information about the Conn Prize can be found at UofL's [Conn Center website](#).

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Energy Efficiency - the Cheapest Energy Resource

New Report Finds Energy Efficiency is America's Cheapest Energy Resource

From: Noesis Energy

The American Council for an Energy Efficient Economy (ACEE) has released a new report analyzing energy efficiency efforts from states across the country.

Some highlights of the report:

- At an average of 35 cents per therm, natural gas utility energy efficiency programs are also highly cost-effective (in 2013, the national average natural gas commodity price was 49 cents per therm).
- Both electricity and natural gas efficiency programs have consistently remained low-cost resources over the past decade, which shows the reliability of efficiency as a long-term resource.
- Each **dollar** invested in electric energy efficiency measures **yields \$1.24 to \$4.00** in total benefits for all customers, which include avoided energy and capacity costs, lower energy costs during peak demand periods like heat waves, avoided costs from building new power lines, and reduced pollution.

Incorporating higher levels of energy efficiency in long-term planning can protect utilities and their customers against volatile and rising costs of traditional energy resources. Read the report on the [ACEE website](#).

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Using EPA's P2 Calculators - Webinar

Are you a U.S. EPA grantee, state, city, NGO, business or consultant looking to demonstrate the environmental benefits of the ground efforts in sustainability or pollution prevention?

Kathy Davey and Natalie Hummel from U.S. EPA will provide an overview of the Pollution Prevention (P2) GHG and Cost Calculators, which are designed to capture GHG reductions and cost savings from energy conservation, green energy, stationary & mobile source fuel reduction/substitutions, water conservation, greener chemical use, and more. The speakers will provide examples and discuss the latest updates to the calculators.

The webinar - *Using EPA's Pollution Prevention Greenhouse Gas and Cost Calculators to Measure Environmental Outcomes* - is hosted by the Great Lakes Regional Pollution Prevention Roundtable (GLRPPR).

- Wednesday, June 18, 2014
- 12:00 PM - 1:00 PM CDT

[Register for the webinar](#) at the GLRPPR website.

After registering you will receive a confirmation email containing information about joining the webinar.

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■ U.S. Energy Use Up in 2013

The 2013 energy flow chart released by [Lawrence Livermore National Laboratory](#) details the sources of energy production, how Americans are using energy and how much waste exists.

Americans used more renewable, fossil and even nuclear energy in 2013, according to the most recent energy flow charts released by Lawrence Livermore National Laboratory. Each year, the Laboratory releases energy flow charts that illustrate the nation's consumption and use of energy. Overall, Americans used 2.3 quadrillion thermal units more in 2013 than the previous year.

The Laboratory also has released a companion chart illustrating the nation's energy-related carbon dioxide emissions. Americans' carbon dioxide emissions increased to 5,390 million metric tons, the first annual increase since 2010.

■ See What's New at ESRC

The Environmental Sustainability Resource Center (ESRC) is a member of the Pollution Prevention Resource Exchange (P2Rx™), a national network of regional information centers. The objective of the ESRC is to provide technical environmental sustainability information and training to industrial service providers in EPA Regions 3 & 4.

The primary service area for the ESRC is EPA Region 3 & 4. Region 3 includes Virginia, West Virginia, Pennsylvania, D.C., Delaware and Maryland. Region 4 includes Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina and Tennessee. ESRC resources and staff are available to users in industry, consulting and universities.

Please visit the [ESRC website](#) or call toll free (855) 531-3772 for more information.



■ S.C. Green Hospitality Alliance - Webinar Series

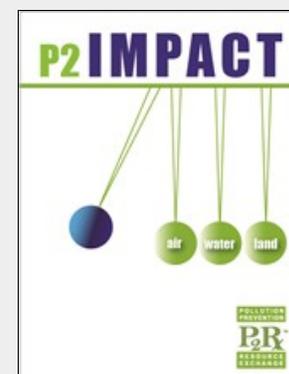
Join the South Carolina Green Hospitality Alliance for a series of free webinars aimed at helping your hotel, motel or restaurant be more sustainable. Session 4, Prepare a Sustainable Menu, will be held on May 1 from 3:00-3:45 PM EDT. [Register](#) today to attend this webinar and [watch videos](#) of previously recorded sessions.

■ Read the Latest P2 Pathways Article in GreenBiz

Each month a contributing member of the Pollution Prevention Resource Exchange (P2Rx™) has an article about P2 sustainability initiatives published in GreenBiz. P2Rx™ is a national partnership of regional pollution prevention information centers funded in part through grants from EPA. They build networks, deliver P2 information, and measure P2 program results.

The strength of the network lies in the expertise and diversity among the regional centers and the variety of audiences served including government and state environmental agencies, technical assistance providers, businesses, educators, nonprofit organizations and the general public.

Read the latest article and past issues on the [GreenBiz website](#).



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Upcoming Training, Events and Conferences

■ EPA Webinar Training - "Energy Treasure Hunts"

This ENERGY STAR Partner Web Conference will look at how the Merck and Hanesbrands energy

programs have used “energy treasure hunts” to engage employees in finding no and low cost energy savings opportunities.

- Wednesday, April 23, 2014 at 1:00 pm EDT - [Register for the Webinar Training.](#)

- **EPA Webinar Training - Portfolio Manager "Office Hours"**

Portfolio Manager "Office Hours" is a live webinar that gives all users an opportunity to ask their questions directly to EPA in an open forum.

- Thursday, April 24, 2014 at 1:00 pm EDT - [Register for the Webinar Training.](#)