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In this issue...

Fundamentals of Compressed Air Systems Workshop

Southern Growth Policy Board Conference

Governor's Conference on Energy & Environment

DendriFund Foundation's Inaugural Grants

Newsbits

- ESRC Offers Rapid Response Service
- Student-Built Solar House Headed for International Competition
- Read the Latest P2 Pathways Article in GreenBiz

Upcoming Training, Events and Conferences

- Resource Recycling Conference

Fundamentals of Compressed Air Systems Workshop

Presented by KPPC and the U.S. Department of Energy, **Fundamentals of Compressed Air Systems** is a one-day introductory course that will be held in Louisville on September 26 from 8:00 a.m. to 4:30 p.m.

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 to 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

Make your company more profitable by getting smarter about compressed air. Through the series of workshops, the Compressed Air Challenge® helps you evaluate your own systems and apply proven techniques. Workshop participants will be able to achieve higher productivity, reduced downtime, greater energy savings, increased product quality and greater efficiency.

Facilitated by 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, Mr. Booth brings a broad range of diverse problem solving skills and perspective to improving compressed air systems.

Presented as part of KPPC's Environmental Sustainability training series, this workshop is offered in conjunction with the Advanced Manufacturing Office (AMO) as part of its national efforts to improve industrial energy efficiency and environmental performance. AMO is part of the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy and works with diverse partners to develop and deploy technologies and practices that will help U.S. manufacturers succeed in global markets.

Workshop Fee is \$150 per person. [Registration and workshop details](#) at KPPC's website.

[back to top](#)

Southern Growth Policy Board Conference

The Southern Growth Policies Board will hold its annual meeting and conference on September 6, 2013 in Louisville, Kentucky. A highlight of the conference will be the release of the 2013 Report on the *Future of the South: Re-imagining Workforce Development*. Among the events of the one-day conference, which is focused on key workforce development issues, will be a panel of state workforce development leaders discussing important trends and issues, facilitated by Southern Growth's Executive Director, Ted Abernathy and hosted by Thomas Zawacki, Secretary of the Kentucky Education and Workforce Development Cabinet.

Other featured speakers at the event will include Tom Volta, Vice President of Human Resources for UPS Air Group, Jeff Selingo, editor at large of The Chronicle of Higher Education and author of the recent book, *College (Un)Bound*, Jean Johnson, Senior Fellow at Public Agenda, Doug Henton, CEO Collaborative Economics and author of *The Cornerstones of Economic Security for Resilient Workers*, and Kathy Krepcio, Executive Director of the Heldrich Center for Workforce Development at Rutgers University and author of *The State of the U.S. Workforce System: Time for Incremental Realignment or Serious Reform?*

Southern Growth's conference is being held in conjunction with the Southern Governors' Association's (SGA)

- Fundamentals of Compressed Air Workshop
- NPPR Webinar - P2 Pioneers
- NPPR's 16th Annual Pollution Prevention Conference and Trade Show

annual meeting, which will take place September 7-9 and focus on the theme of Advancing Manufacturing in the American South.

You can register for one or both events on the [Southern Growth Conference website](#)

[back to top](#)

Governor's Conference on Energy & Environment

The 2013 Governor's Conference on Energy & Environment will be held in Lexington on September 17 and will focus on the nation's changing energy resources and the implications and challenges for Kentucky.

The conference will have general sessions that cover federal regulatory plans limiting emissions of greenhouse gases and the anticipated impact on Kentucky's electric power sector. The sessions will include discussions of options or potential pathways for Kentucky to comply with the federal climate agenda while ensuring our citizens and industry have affordable, reliable access to electricity. Breakout sessions will cover topics ranging from energy efficiency, renewable energy projects and land preservation.



An exhibit hall of vendors with environmentally related services and products will be at the conference. [Registration and more information](#) is available on the Governor's conference website.

[back to top](#)

DendriFund Foundation's Inaugural Grants

The Brown-Forman Corporation and the Brown family have established an environmental sustainability foundation called DendriFund. The foundation announced in a July 22 press release that four organizations have received the foundation's inaugural grants.



- [The Land Institute](#) (Salina, KS) - sustainable agriculture - To support exploratory research into the long-term potential to identify and develop a perennial corn that would be an extraordinary breakthrough environmentally and economically.
- [The Kentucky Resources Council](#) (Frankfort, KY) - fresh water protection - To support the Council's water-related advocacy work, which takes on varied forms in response to the diverse threats against water supply/quality across the state, most notably Eastern Kentucky communities.
- [American Forests](#) (Rocky Mountains) - sustainable forestry - To add another element to a comprehensive program to raise awareness as well as protect and restore forests endangered by the bark beetle. The grant will go toward the planting of new disease-resistant seedlings and protecting adult disease-resistant trees.
- [Kentuckians for the Commonwealth](#) (London, KY) - fresh water protection - To aid the Community Science & Public Health Project, aimed at providing water quality testing and monitoring to Eastern Kentucky mining communities impacted by mountaintop removal.

The DendriFund charitable foundation was established by Brown-Forman to honor the environmental legacy and industry leading sustainable business practices of Fetzer Vineyards, sold by Brown-Forman in 2011. Fetzer was recognized consistently as a leader in varietal wine development, sustainable agriculture, and environmental performance.

Grants are made according to DendriFund guidelines and its mission of enhancing life by supporting organizations advancing environmental sustainability. Visit the [DendriFund](#) website for more information.

[back to top](#)

Newsbits

■ **ESRC Offers Rapid Response Service**

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 III & IV.

The ESRC Rapid Response Service assists in locating environmental sustainability information and answering technical environmental sustainability questions for EPA Regions III & IV. ESRC technical staff receive requests and, in consultation with other P2Rx™ Centers, perform research of P2Rx™ resources and the internet.

The primary service area for the ESRC is EPA Region III & IV, which includes Virginia, West Virginia, Pennsylvania, D.C., Delaware and Maryland. EPA Region IV 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..

■ **Student-Built Solar House Headed for International Competition**

From UofL Today

A team of students and faculty from several Kentucky and Indiana universities will open its student-built solar house to the public from 11:30 a.m. to 4 p.m. Saturday, Aug. 24, at the University of Louisville.

The house now sits on the former Kentucky Trailer site which the public can reach through an entrance off Third Street just south of Eastern Parkway. Soon, however, the team will disassemble it and truck it to Irvine, Calif., to compete in the U.S. Department of Energy's 2013 Solar Decathlon. The team is one of 20 from around the world that will be in this year's decathlon.



Team Kentuckiana's entry is an energy-efficient, wood-and-steel-framed modular prototype two-bedroom residence meant to serve as a sustainable, permanent housing solution after natural disasters. The team chose the socially responsible design after last spring's damaging tornadoes in Kentucky and Indiana and named it Phoenix House after the mythical bird symbolizing rebirth and hope. The house is designed to be durable, affordable, rapidly delivered and capable of producing more energy than it uses.

For more than a year, the team, which includes students and faculty from UofL, Ball State University in Muncie, Ind., and the University of Kentucky, has been supported in its work by UofL's J.B. Speed School of Engineering; Ball State's College of Architecture, Interior Design and Construction Management programs; UofL's Conn Center for Renewable Energy Research; UofL's College of Business; UofL's College of Arts and Sciences (communication and English departments); and UK's School of Engineering.

■ **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](#).

Upcoming Training, Events and Conferences

■ **Resource Recycling Conference**

The fourth annual Resource Recycling Conference will be held in Louisville on August 27 and 28 at Marriott Louisville Downtown. The conference is hosted by Resource Recycling, Inc, publisher of Resource Recycling magazine. The 2013 conference will offer educational sessions, networking opportunities and exhibitors showcasing all aspects of the recycling industry.

Recycling experts will present extensive and detailed industry assessments, including the status of municipal recycling in North America, projections of future domestic and foreign market demand, the way recycling will change as we begin efforts toward global cooling and overviews of the key trends affecting materials recovery. Presentations on the latest materials recovery technologies being employed worldwide will also be provided. More information and registration can be found at the [conference website](#).

■ **Fundamentals of Compressed Air Systems Workshop**

Fundamentals of Compressed Air Systems is a one-day introductory course designed to teach facility engineers, operators and maintenance staff how to achieve 15 - 25 percent cost savings through more effective production and use of compressed air. The workshop will be held in Louisville on September 26, 2013. [Registration and workshop details](#) at KPPC's website.

■ **National Pollution Prevention Roundtable Webinar - P2 Pioneers**

The P2 Pioneers webinar, which will be held on Thursday, September 19, 2013 1:00 PM EDT, was designed specifically for P2 Week 2013. It will bring together a sampling of the pioneers in the pollution prevention field to discuss the development and progression of pollution prevention in policies, industries, and other institutions. The webinar will review the evolution of the field from waste minimization to pollution prevention to sustainability. It will include a discussion on the use of tools such as P2 and energy efficiency assessments, the emergence of voluntary programs, the growth of networks and partnerships, the stabilization and expansion of performance metrics, and the skill sets needed to carry out these programs.

Presenters:

Cam Metcalf, Kentucky Pollution Prevention Center, University of Louisville

Cindy McComas, University of Minnesota

Gary Hunt, North Carolina State University

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

■ **National Pollution Prevention Roundtable 16th Annual Pollution Prevention Conference and Trade Show**

Join NPPR in Plainfield, Indiana for the 16th annual P2 conference on September 25-26, 2013. The agenda includes workshops, panels, and presentations from national and local speakers regarding pollution prevention, sustainability, and environmental stewardship. The conference will provide excellent networking and learning opportunities. KPPC's Executive Director Cam Metcalf will present a workshop at the conference titled Energy Star Guidelines to Energy Management on September 25. [More information about this event](#) is available on [KPPC's Calendar of Events](#).