



January 2013
Vol. 6, Iss. 1

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KPPC Client Highlights P2 Successes and Sustainability Improvements

Working with KPPC over the course of several years, Denyo Manufacturing Corporation has implemented numerous environmentally sustainable practices at its plant in Danville, Kentucky. Achievements include improved recycling of scrap metal, cardboard, paper, plastics and wood; reduced water and natural gas consumption; improved wastewater treatment; and better management of process chemicals.

See new video of plant highlights and interview with Denyo representatives:

The successes already achieved by Denyo have helped to support and encourage additional efforts. The company is firmly committed to environmental sustainability, both for cost-reduction benefits, and for the significant impact they can make in protecting our resources as a good corporate citizen.

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Connecting Manufacturing Facilities with Technical Assistance Resources through KY E3 Pilot Initiative

KY E3: Economy, Energy and the Environment – is a partnership among KPPC – Kentucky Pollution Prevention Center, U.S. Environmental Protection Agency – Region 4, Kentucky Energy and Environment Cabinet, Kentucky Education and Workforce Development Cabinet – Office of Employment and Training, U.S. Small Business Administration – KY District Office, Kentucky Small Business Development Center, U.S. Department of Agriculture – Kentucky Office, Duke Energy Corporation, East Kentucky Power Cooperative and LG&E and KU Energy LLC. KPPC serves as the lead facilitator of this partnership which is based on the federal E3 initiative, a collaborative effort involving six federal agencies, state and local governments, utilities, and manufacturers.

KPPC has received grant funding from the U.S. EPA to support this pilot initiative which seeks to help integrate energy efficiency, lean



E3: ECONOMY · ENERGY · ENVIRONMENT
SUPPORTING MANUFACTURING LEADERSHIP THROUGH SUSTAINABILITY

practices, waste reduction and water conservation into the daily operations of small- to medium-size manufacturers to support sustainability, boost their competitiveness and spur job growth. KY E3 provides manufacturers with customized, hands-on technical assessments of production processes to reduce energy consumption, minimize their carbon footprint, prevent pollution, increase productivity, and drive innovation. In addition, KY E3 offers lean project implementation, employee training in green skills,

Training, Events and Conferences

- Energy Star webinars in February
- Carbon Capture 101 Workshop, February 4-5, Lexington
- Webinar: 'Getting those BIG office Buildings to Recycle' - February 7, 1:00 - 2:30 p.m. ET
- Webinar: Using Social Media Channels to Inspire Offline Action, February 20, 2:00 - 3:00 p.m. ET

information about incentive programs, and information and technical assistance regarding low interest loan opportunities.

Through KY E3, KPPC is connecting manufacturing facilities in the Commonwealth with the best technical assistance available through federal, state and local resources. As manufacturers begin to implement recommendations in the coming months, KPPC will be highlighting the progress and results of the KY E3 Pilot Initiative, along with resources available through the KY E3 partners.

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Newsbits

■ U.S. EPA Launches New Voluntary Program to Help Reduce Harmful Soot Pollution

The U.S. Environmental Protection Agency has announced a new voluntary clean air program, 'PM Advance,' to help communities continue to meet soot pollution standards, improve air quality and protect public health. PM Advance focuses on working with communities to develop strategies for reducing harmful fine particle emissions.

The PM Advance program is designed to help communities who meet current standards continue to meet the standards. Early work to reduce fine particles, such as PM Advance participation, can be incorporated into required planning. Through the program, participants will commit to taking specific steps to reduce fine particle pollution, such as putting in place a school bus retrofit program or an air quality action day program, while EPA will supply technical advice, outreach information, and other support. [Visit the EPA website for more information.](#)



■ Report Released, "Tackling the Nexus: Exemplary Programs that Save Both Energy and Water"

From the American Council for an Energy-Efficient Economy (ACEEE) and the Alliance for Water Efficiency. Energy and water have an inherent relationship. Energy is needed to transport, treat, heat, cool, and recycle water and, conversely, water is needed in energy production. As a result, saving water saves energy and saving energy saves water. This intersection and interaction between energy and water is known as the "energy-water nexus." Some energy efficiency programs have begun to address and account for water savings, and conversely some water programs have begun to account for energy savings impacts, but this has occurred only in a patchwork of programs across the country. Greater efficiency could be gained from recognition of the energy-water nexus in program delivery and accounting practices plus better understanding and coordination between the two communities.

[Download the January 2013 report in PDF format from the ACEEE website.](#)

■ Clean Air Standards Finalized for Industrial Boilers, Incinerators and Cement Kilns

In December, the U.S. EPA finalized changes to Clean Air Act standards for boilers and certain incinerators that will achieve extensive public health protections by slashing toxic air pollution, including mercury and particle pollution, while at the same addressing feedback provided by industry and labor groups, increasing the rule's flexibility and dramatically reducing costs. As a result, 99 percent of the approximately 1.5 million boilers in the U.S. are not covered or can meet the new standards by conducting periodic maintenance or regular tune-ups. [Visit the EPA website for more information.](#)

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Upcoming Training, Events and Conferences

■ Join U.S. EPA's Energy Star Program for these free webinars in February (all times Eastern):

- Designing and Implementing Successful Data Center Efficiency Programs, February 7, 1:00 - 2:00 p.m.

- Energy Star and Green Building Rating Systems, February 14, 2:00 - 3:30 p.m.
- The Basics of Benchmarking in Portfolio Manager, February 19, 2:00 - 3:00 p.m.
- Computer Power Management with Energy Star, February 21, 1:00 - 2:00 p.m.
- Benchmark Energy Performance Using EPA's Energy Star Portfolio Manager: For Energy Efficiency Program Sponsors, February 25, 1:00 - 2:00
- The Federal Guiding Principles Checklist in Energy Star Portfolio Manager, February 28, 2:00 - 3:30 p.m.



[Visit the Energy Star Training Center for more information.](#)

■ **Carbon Capture 101 Workshop**
February 4-5, Lexington

As the global demand for affordable energy continues to increase, electric power producers face a challenging demand to reduce Greenhouse Gas emissions. In order to lower CO2 emissions in a cost-effective manner, implementation of various CCS technologies in coal-fired power plants will be a likely scenario in the next 20 years.

Accordingly, this workshop will offer a series of informative technical presentations that will provide an overview of carbon capture technologies and recent research progress. The intended audience will be made up primarily of power industry engineers and scientists along with other key stakeholders wishing to become more informed in carbon management issues and recent technical advances.

Organized by University of Kentucky Center for Applied Energy Research (CAER) and The Carbon Management Research Group. Visit CAER's website for [registration and additional information](#).

■ **Webinar: 'Getting those BIG office Buildings to Recycle'**
February 7, 1:00 - 2:30 p.m. ET

This webinar will focus on recycling professionals who have successfully worked with property managers and others to set up and run programs to recycle paper, OCC and containers from several large office buildings, government and commercial. During this webinar you will hear about:

- Who are the right people to contact
- How to work with the building's owners, employees and custodial staff to start a good recycling program
- How to ensure staying power of your recycling program



Offered through the U.S. EPA's Sustainable Materials Management Web Academy. [Register for this free webinar.](#)

■ **Webinar: Using Social Media Channels to Inspire Offline Action**
February 20, 2:00 - 3:00 p.m. ET

Zoey Kroll is an internet communications coordinator at SF Environment and a social media strategist at Hayes Valley Farm. She will talk about using social media channels to inspire offline action. This webinar will interact with and discuss how apps (RecycleWhere), activity clubs (Photo Adventure Club) and social media tools can inspire people to move from clicks to compost.



This webinar is part of the Pollution Prevention Resource Exchange (P2Rx) comprehensive webinar training series to help pollution prevention technical assistance providers initiate, implement and measure behavioral change resulting from their programs and initiatives.

[Register for this free webinar.](#)