



## INDUSTRIAL TECHNOLOGIES PROGRAM

### Kentucky *Save Energy Now* Program

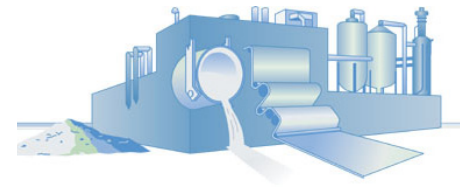
Due to the availability of low-cost coal-generated electricity, Kentucky’s industrial sector has an energy-intensity level 427 percent higher than the national average. In recent years, rising energy costs have created an incentive for efficiency implementation as a means to ensure prosperity for Kentucky’s manufacturing industry. To support this transition, KPPC - the Kentucky Pollution Prevention Center - will work to build self-sustaining energy-savings programs at Kentucky manufacturing facilities.

#### Project Description

KPPC will develop the program in two phases over three and a half years with the initial focus on training industrial facilities, progressing to providing specific assistance to clients, and then moving toward self-sustainability. The program will be marketed using

The project team will develop the Kentucky *Save Energy Now* (KY SEN) Program, which will be conducted in two phases and will offer workshop trainings, technology demonstrations, help with identifying project implementation resources, and recognition of facility achievements. With no in-state Industrial Assessment Center (IAC), KPPC will work to maintain momentum and offer guidance to industrial facilities in Kentucky.

electronic and traditional mailers and brochures. KPPC will offer training and technical expertise and implementation services for reducing electricity and natural gas consumption. Through support of the program, industrial facilities that achieve 2.5-percent energy-intensity



#### Benefits

- Estimated energy savings of 0.2 trillion Btu over the three-year project period
- Projected carbon dioxide emissions reductions of 33,000 metric tons
- Fifteen Kentucky industrial facilities will be targeted to achieve the 2.5-percent energy-intensity-reduction goal in years two and three.

#### Applications in Our Nation’s Industry

This project will continue the partnership between KPPC and the state, which incorporates the efforts of utility, nonprofit, and energy service industries to improve the industrial energy efficiency of Kentucky. This program will ensure that Kentucky remains an attractive investment location for industry, building on the average-annual-energy savings of 0.266 trillion Btu that KPPC achieved for its clients over the last eight years.



reductions within the first year of the program will be recognized as “leaders,” and those that achieve the same goal in year two will be recognized as “mentors.” The team will

- Provide technical support for developing and delivering energy-efficiency training and technical assistance. Technical assistance will include identification of incentives and green power options, BestPractice information, case studies, trainings, webinars, and energy assessments
- Assist Kentucky plants with developing energy-management plans that include information on how to build a team, develop a strategy, identify key energy-using subsystems, and procure energy engineering assistance
- Promote the program and ensure that measurement and verification of energy savings meets industry standards
- Provide project identification and implementation support, which includes pilot tests, demonstrations, and showcases of energy-efficient processes, technologies, and techniques
- Collect, track, and report identified and implemented energy savings resulting from the program.

## Progress and Milestones

The project’s planned tasks for Phase I (18 months) include

- Conducting an education and training workshop.
- Hosting up to two Industrial Technologies Program (ITP) Training Sessions.
- Developing client energy-management plans.
- Verifying energy savings and recognizing achievements.
- Showcasing successful demonstrations.
- Offering additional energy-reduction assistance, including assessments, project identification and implementation, and recognition.
- Working toward self-sustained energy-management programs.

The project’s planned tasks for Phase II (24 months) include

- Conducting two education and training workshops and one webinar
- Hosting up to three ITP Training Sessions
- Conducting targeted on-site training for initial Phase I facilities
- Conducting energy assessments to further identify energy management opportunities and potential use of ITP BestPractices Tools
- Continued implementation of a recognition program for various levels of achievement for the targeted reduction goals.

## Primary Investigator

KPPC – the Kentucky Pollution Prevention Center – J.B. Speed School of Engineering, University of Louisville, Louisville, KY

## Project Partners

Big Rivers Electric Corporation, Henderson, KY

Duke Energy, Cincinnati, OH

East Kentucky Power Cooperative, Winchester, KY

E.ON U.S., Louisville, KY

Fellon-McCord & Associates, Louisville, KY

Kentucky Department for Energy Development and Independence, Frankfort, KY

Kentucky Energy Efficiency Working Group, Lexington, KY

Kentucky Solar Partnership, Frankfort, KY

Sierra Club – Cumberland Chapter, Prospect, KY

Tennessee Valley Authority, Nashville, TN

## For Additional Information

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