



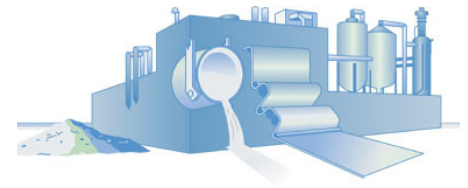
INDUSTRIAL TECHNOLOGIES PROGRAM

Save Energy Now for Maryland Industry

By 2015, Maryland aims to reduce per-capita electricity usage and peak demand by 15 percent. While the State has focused on the importance of efficiency improvements in the residential sector, the industrial sector has historically not had access to the same level of energy efficiency resources. Maryland's industrial sector is in need of information sources on the efficiency technologies that are likely to yield the best return on investment and how those technologies and processes could be implemented.

To support the industrial sector, the Maryland Energy Administration (MEA) team will create a state *Save Energy*

Now (SEN) Program that will offer local access to SEN tools, training, and energy assessments. In addition, MEA will work to tap the 2,000 gigawatt hours (GWh) of combined heat and power (CHP) resource potential estimated to be available in Maryland. MEA will team with resources from the University of Maryland to offer assessments, training, and implementation support for efficiency projects and technology applications.



Benefits

- Contributes to the Governor's goal of reducing per-capita electricity usage and peak demand 15 percent by 2015
- Capitalizes on the State's energy-efficiency and CHP potential, contributing to the SEN goal of a 25-percent reduction in energy intensity in 10 years (*25 in 10*)
- Expands the SEN Program, offering CHP and waste heat recovery opportunities to Maryland industries



Applications in Our Nation's Industry

This project will establish and strengthen the partnership between the Maryland Energy Administration, the Maryland Technology Extension Service (MTES), the local Industrial Assessment Centers (IAC), and other trade groups and utilities to reduce the energy intensity of industrial manufacturers in the State of Maryland. At the end of the project period, a sustainable state-level SEN Program will have been established, which will not only contribute to the national goal of *25 in 10*, but will also help meet the Governor's goal of reducing per-capita electricity usage and peak demand 15 percent by 2015.

Project Description

The State of Maryland SEN Program effort will first focus on data gathering and analysis of the State's CHP potential. This effort will culminate in the development of CHP training workshops designed to increase the awareness of industrial manufacturers.

Using the expertise of MEA and MTES, the team will offer energy efficiency training and assessments that lead to project implementation. Energy- and carbon-savings results will demonstrate the appropriateness of program targets. Specific tasks include:

- Collecting data via utilities, government offices, and other databases to characterize CHP opportunities in the state
- Expanding the federal SEN Program in Maryland
- Offering four Industrial Technologies Program (ITP) BestPractice Training Sessions annually
- Conducting one Waste Heat Recovery/ CHP End Users Workshop each year
- Conducting energy assessments in large facilities that are not IAC-eligible.
- Train local engineering students on waste heat recovery and CHP technologies through an annual workshop.

Progress and Milestones

The project's planned tasks include:

- Assessing Maryland's CHP potential and past state SEN activities within six months of award
- Developing a training and assessment program, beginning upon award, offering the first training and assessments within six months
- Designing and implementing program metrics to measure success, which entails identifying metrics within the first month of the project, collecting data throughout the project, and issuing a quarterly report.

Primary Investigator

Maryland Energy Administration,
Annapolis, MD

Project Partners

Sentech, Inc., Bethesda, MD

Energetics, Inc., Columbia, MD

Maryland Technology Extension Service
– University of Maryland,
College Park, MD

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

For Additional Information

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