

Save Energy Now for Maryland Industry

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

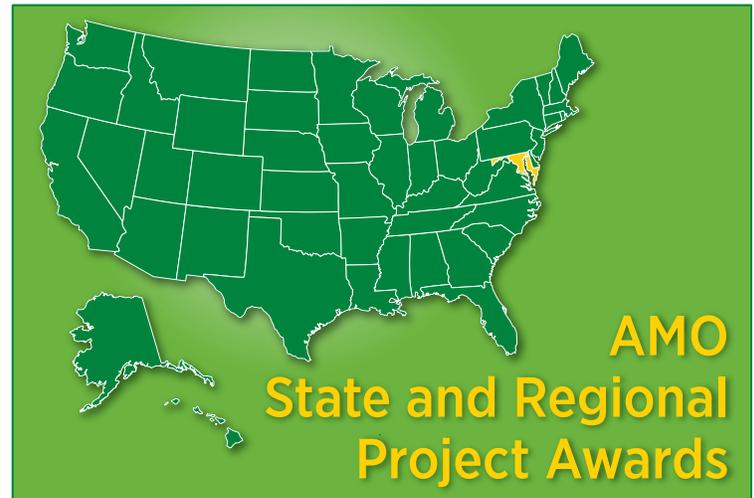
To support the industrial sector, the Maryland Energy Administration (MEA) team has created a state *Save Energy Now* program that offers local access to U.S. Department of Energy (DOE) Advanced Manufacturing Office (AMO) tools, training, and energy assessments. In addition, MEA is working to tap into the 2,000 gigawatt hours (GWh) of combined heat and power (CHP) resource potential estimated to be available in Maryland. MEA has combined its resources with the University of Maryland to offer assessments, training, and implementation support for efficiency projects and technology applications.

Progress and Milestones

Activity Description	Goal	Completed to Date
Assessments	10	12
Identified Energy Savings (Trillion Btu)	-	.042
Implemented Energy Savings (Trillion Btu)	-	-
Trainings	-	8
Individuals Trained	-	189
Pilots / Demonstrations	-	-
Plants Impacted	-	-

(As of June 2011)

In support of the project goals, MEA developed its *Save Energy Now* program to facilitate the delivery of energy efficiency resources to the industrial sector. In addition to the development of the new program, MEA developed a website (<http://energy.maryland.gov/SEN/>) that is updated with event information, such as upcoming trainings and webinars, as well as presentations from past training events. The website has received monthly hits from 100–200 unique visitors. The website also contains a map of the CHP installations in Maryland.



Project Description

Funding Amount: \$733,765

Funding Source: American Recovery and Reinvestment Act

Program Period: 11/3/2009 to 3/31/2011



Project Success Highlights

- Held six AMO BestPractices training webinars and two CHP webinars attended by a total of 189 participants; the recordings have been posted on the Maryland *Save Energy Now* website (<http://www.energy.state.md.us/SEN/>).
- Shared incentives information and encouraged companies to utilize Maryland's Jane E. Lawton Loan for energy efficiency projects; two companies have expressed interest to apply.
- Maintained an email mass marketing list to market the webinars and Maryland *Save Energy Now* program. To date the list contains approximately 430 contacts, mostly within the state of Maryland.

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

2 Year Project Benefits

- Contributes to the Governor's goal of reducing per-capita electricity usage and peak demand 15% by 2015.
- Capitalizes on the state's energy efficiency and CHP potential, contributing to the *Save Energy Now* goal of a 25% reduction in energy intensity in the industrial sector in 10 years.
- Expands the *Save Energy Now* program, offering CHP and waste heat recovery opportunities to Maryland industries.

The program assessed energy reduction opportunities within the industrial sector through in-depth energy audits. Utilizing MEA and the Maryland Manufacturing Assistance Program, 12 assessments were completed at six unique companies. A post-assessment survey was developed to evaluate the actions that manufacturing plants would take after receiving recommendations from the assessments.

MEA also developed a training program through AMO BestPractices webinars on lighting, compressed air, DOE software, and utility incentives, as well as two webinars on CHP systems. A total of eight training webinars were conducted, reaching 189 participants. Evaluation of the effectiveness of the training webinars was elicited through participant surveys following the utility incentives and CHP sessions. Results of these surveys indicated that participants increased their knowledge of energy efficiency utility incentive programs available in Maryland and the benefits of using CHP, respectively.

The Maryland *Save Energy Now* program has successfully collaborated with trade allies, utilities, the Public Service Commission, consultants, and industrial partners to provide trainings, assessments, and outreach activities to the industrial sector in Maryland. The program has sustained outreach efforts that brought increased awareness of energy efficiency best practices, new technologies, and available incentives and resources in the state via roundtable discussions and face-to-face workshops. As a result of these successes, the program's efforts have received positive feedback from clients.

"Save Energy Now Maryland delivered more than what it promised. I am pleased that the team that worked with our company. I will be happy to be involved in any future projects with them."

- John Raad
Facility Manager of the GM Transmission Plant in White Marsh

Applications in Our Nation's Industry

This project will establish and strengthen the partnership between MEA, the Maryland Technology Extension Service (MTES), the local Industrial Assessment Centers (IACs), 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 *Save Energy Now* program will have been established, which will not only contribute to AMO's goal for industry, but will also help meet the Governor's goal of reducing per-capita electricity usage and peak demand.

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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