



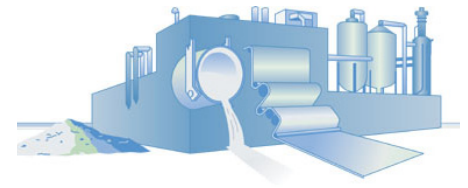
INDUSTRIAL TECHNOLOGIES PROGRAM

New Jersey Industrial Energy Program

New Jersey is home to energy-intensive industrial manufacturing sectors such as chemical, computer and electronic, and transportation equipment manufacturing. In 2007, industrial manufacturing in the state contributed to approximately 10 percent of New Jersey’s gross domestic product and 20 percent of the state’s energy usage, consuming 452.1 trillion Btu. The Center for Advanced Energy Systems (CAES) at Rutgers and its project partners will establish the New Jersey Industrial Energy Program (NJIEP) to inform industrial facilities about the U.S. Department of Energy’s (DOE’s) Industrial Technologies Program’s (ITP’s) *Save Energy Now* industrial energy efficiency resources and

adopting ITP’s goal by reducing the state’s industrial energy intensity 2.5 percent each year of the three-year project period, or 7.5 percent overall. NJIEP will also provide industrial companies with energy assessments, energy management training, outreach and marketing services, and implementation assistance.

The project aims to establish partnerships among DOE, state and local government, universities, end users, utilities, and nongovernmental organizations (NGOs) to reduce industrial energy intensity. After the three-year federal funding period, the initiative will be supported by state and private funds.

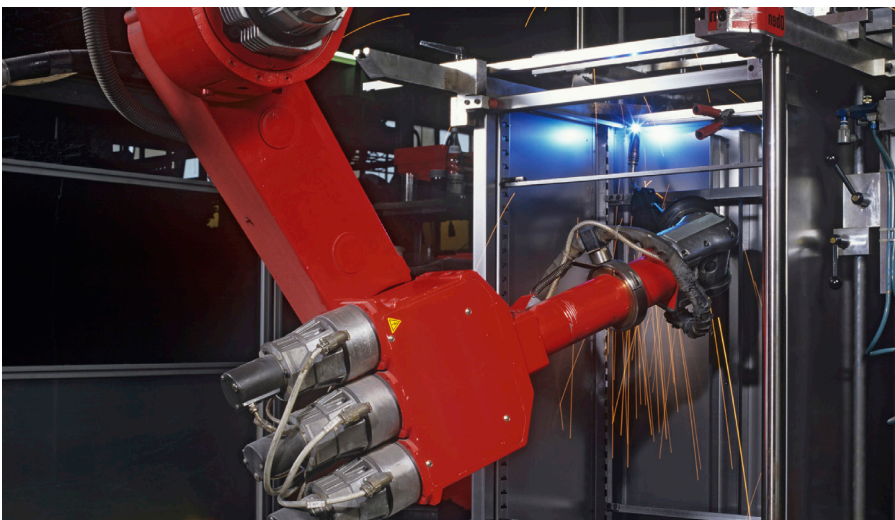


Benefits

- Projected fuel savings of 151.7 billion Btu over the three-year project period
- Projected electricity savings of 13,680 MWh over the three-year project period
- Increased energy efficiency educational opportunities through training sessions and outreach services.

Applications in Our Nation’s Industry

This project will establish partnerships among DOE, state and local governments, universities, end users, utilities, and NGOs to reduce industrial energy intensity in New Jersey and provide companies with site assessments, energy efficiency training, marketing and outreach services, and implementation assistance.



Project Description

The project will focus primarily on energy assessments while also providing marketing and outreach services, energy efficiency training, implementation services, and benchmarking. The project aims to reduce the industrial energy intensity in New Jersey by

- Providing free onsite energy assessments, incorporating university-based Industrial Assessment Center practices
 - Preassessment information gathering will be performed electronically, by fax, or by mail to allow CAES to prepare for the upcoming assessment
 - The site assessments will usually be completed in one day; however, multiple days may be necessary depending on the size of the facility
 - Assessment reports will be submitted and follow-up conducted to provide recommendations to plant managers and receive feedback about the program.
- Offering project implementation services following site assessments
 - Offer technical support to identify barriers and aid in project implementation
 - Provide follow-up to encourage a high rate of successful implementation and allow client feedback
 - Develop metrics to gauge implementation success and provide guidance.
- Providing marketing and outreach services including

- A Web site and electronic newsletter to promote the project; publish assessment and recommendation data; and highlight developments, case studies, and BestPractices
- BestPractices manuals available online and through NGOs to share the commonly recommended energy efficiency practices based on specific industries
- Conferences to promote the project, build relationships, share information, and solicit additional clients.
- Offering energy efficiency training opportunities to business owners, plant managers, facility engineers, and others interested in energy conservation.

Progress and Milestones

The project's planned tasks include

- Conducting at least one site assessment during each month of the three-year project period, for a total of 59 assessments
- Performing assessment follow-ups six months after each site assessment
- Offering nine implementation service opportunities, once every two to four months, during the three-year contract period
- Offering 12 training and conference opportunities throughout the three-year project period.

Primary Investigator

Center for Advanced Energy Systems of Rutgers, The State University of New Jersey, Piscataway, NJ

Project Partners

New Jersey Board of Public Utilities, Office of Clean Energy, Newark, NJ

New Jersey Business & Industry Association, Trenton, NJ

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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