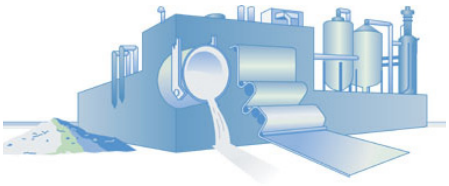
Louisiana *Save Energy Now* Initiative

Louisiana's Industrial Assessment Center (IAC), the IAC will partner with the Louisiana Department of Natural Resources (LDNR) to deliver a state Save Energy Now Program. The goal is to increase the energy and carbon dioxide emissions savings already achieved through over 200 assessments performed by the IAC.

The program will increase the number of no-cost assessments offered and assist clients in developing energy-management plans. The team will utilize the existing IAC infrastructure, client connections and State Energy Office to extend the benefits of the existing program to more industrial facilities in the state.

Not only will the project team expand the deployment of IAC assessments in Louisiana, but it will also bring additional, free U.S. Department of Energy (DOE) resources to its stakeholders through *Save Energy Now* Workshops. The workshops will offer tools, training, printed materials, and workbooks on key energy-intensive manufacturing systems to targeted industries. The results of these efforts will be published on the University of Louisiana at Lafeyette's website managed by IAC students.



Benefits

- Increased the number and types of industrial energy assessments conducted in Louisiana
- Reduced Louisiana's annual industrial energy consumption by more than 2.5 percent
- Implemented energy savings per plant at $82,000 per year
- Predicted carbon dioxide emissions reduction of approximately 100,000 tons per year for each plant by the end of year three.

Applications in Our Nation's Industry

This project will strengthen IAC's ability to provide services that improve the State of Louisiana's industrial efficiency. The project will also build a strong partnership between the state and university, which supports long-term sustainability in regard to state support and professional education and training.

Project Description

The overall objective of this project is to collaboratively achieve a 2.5-percent annual reduction in energy intensity among Louisiana's industrial facilities. To accomplish this, 20 additional assessments will be provided over an 18-month period, along with the existing DOE/IAC funded assessments. All selected plants will have an annual energy bill of more than $50,000; 23 will exceed $100,000 and one will have an annual energy bill of more than $2 million.

After the assessment is complete, the client may request support in developing an energy-management plan. Each plan will include information on the facility's corporate structure, energy-reduction goals, and energy-efficiency maintenance plan.

For the larger plants one of the senior team members will lead the plant through a three-day assessment in his/her certified area – steam, pumps or compressed air systems. In addition, teams comprised of students and one project lead will perform training assessments. These assessments will be utilized as both a teaching tool and an efficiency project.

The project will also include new equipment technology demonstrations aimed at deploying the latest technology and proving its cost-effectiveness. Specific tasks include:

- Conducting 20 IAC one-day assessments inside the state and six assessments with other nearby areas (through use of IAC grant funds)
- Deploying DOE resources through free Save Energy Now Workshops on steam and other energy-intense manufacturing processes
- Training plant managers to develop energy-management plans in two, half-day training sessions
- Coordinating technology demonstrations for industry with ongoing University of Louisiana at Lafayette classes and *Save Energy Now* Workshops.

Progress and Milestones

The project's planned tasks include

- Offering three-day training assessments under steam training assessment protocols during the first 12 months
- Hold up to six three-day training assessments in subsequent years
- Conducting a minimum of five free Save Energy Now Workshops each year, at least two in conjunction with a technology demonstration
- Performing four annual technology demonstrations of new equipment and equipment accessories
- Conducting client follow-up on implementation at nine- and eighteen-month intervals
- Transitioning the program's funding to 50-percent client-funded in the third year and 100-percent client-funded in the fourth year

Primary Investigator

Louisiana State Energy Office, Baton Rouge, LA

Project Partners

COMM Engineering, Lafayette, LA

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