

# Energy Efficiency Case Study

## AlabamaSAVES 1% Fixed Rate Capital

The project was financed through an innovative 1% fixed rate loan and subsidy program available through the state called Alabama SAVES. The program allows for finance terms of up to 10 years and is often times structured so that the energy savings generated from the project are greater than the monthly loan payment.

## About Semco

If your business is interested in cutting energy costs or financing an energy efficiency project through Alabama SAVES, SEMCO can help you. We help businesses save energy through providing turnkey energy saving solutions like LED lighting, heating and cooling controls and more. Just reach out below for additional information!

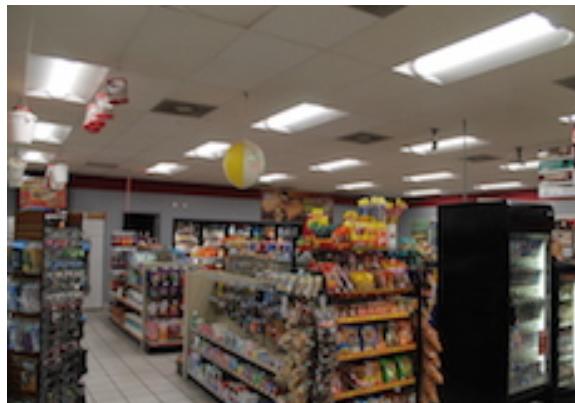


www.thesemco.com  
P.O Box 4724  
Gulf Shores, AL 36547  
(251) 752-8548



## **Gibson Oil Company**

This project included a comprehensive lighting upgrade at each of Gibson Oil's 7 stores in Alabama. The stores inefficient metal halide canopy lighting and T12 fluorescent lighting in the coolers and stores were upgraded with new energy efficient CREE LED fixtures. The project not only cut lighting energy costs by more than 70%, but will also minimize lighting maintenance costs for more than 10 years. It is projected that this will save the company more than \$480,000 over the same time frame. The project was financed through the states revolving loan and subsidy program, Alabama SAVES. Annual energy savings will exceed the annual finance payment, generating immediate positive cash flow for Gibson Oil.



## Annual Savings

(calculations provided courtesy of SEMCO)

- Energy Savings \$43,683
- Displaced Energy 438,578 kWh
- Displaced Demand 69 kw

## Impact of Upgrade

- Simple Payback 4.28 yrs
- \$5,000 in annual positive cash flow

## From the Owner

"The lighting upgrade is going to help us cut between 15%-20% in over all energy costs and our stores now look better than they've ever looked. SEMCO made every part of this process simple and clear. We are very happy with the results."

-Sam Gibson

## Environmental Impacts

- 993 Barrels of oil saved
- 3.5 Acres of forest preserved
- 48,612 Gallons of gas not burned
- 54.8 House holds powered (1 yr.)
- 92 Cars taken off the road (1 yr.)



# ADECA and Abundant Power Information



## ADECA Overview

The overall mission of the Energy Division, as the State Energy Office, is to increase energy efficiency, reduce energy consumption, promote energy efficiency and renewable energy technologies, make energy efficiency more affordable for businesses and low-income households, especially those with vulnerable populations such as elderly, disabled and young children, with the increasing costs of home energy.

## Abundant Power Overview

Abundant Power is a financial services company focused on designing and delivering energy efficiency (“EE”) solutions and programs. They designed and manage a statewide energy revolving loan fund for commercial and industrial properties in the State of Alabama called AlabamaSAVES. The fund was initially capitalized with \$25 million through the federally supported State Energy Program and was structured to bring in over \$50 million of additional private capital through credit enhancements. The program funds energy efficiency and renewable energy projects for existing businesses. For more information, please see [www.AlabamaSAVES.com](http://www.AlabamaSAVES.com)

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