

# Energy Efficiency Case Study

## Alabama SAVES 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!



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## **Max Oil Company**

This opportunity involved three convenience stores in Greenville and Evergeen Alabama. All three stores had outdated, inefficient T12 and metal halide lighting technology on the interior and exterior of the buildings. Through a comprehensive lighting upgrade, SEMCO was able to reduce lighting energy usage by 50%-70% at each store. This was achieved by installing energy efficient LED lighting in the stores coolers, retail area and canopy lighting. On top of the energy savings, the store is now better lit, providing a more inviting space for customers. The HVAC system on the company's largest store, Spirit Truck stop, was also upgraded to an 18 SEER system that will provide an additional \$6,000 in savings annually.



## **Annual Savings**

(calculations provided courtesy of SEMCO)

- Energy Savings \$27,040
- Maintenance Savings \$2,700
- Displaced Energy 270,395 kWh

## **Impact of Upgrade**

- Simple Payback 4.35 yrs
- USDA Grant of \$40,000+

## **From the Owner**

"SEMCO helped us secure a 25% grant from USDA and 1% financing through the Alabama SAVES program to fund the energy efficient LED lighting and HVAC project. These incentives along with improved lighting at each of our stores made this a no brainer for us.

-Mints McGowin

## **Environmental Impacts**

- 434 Barrels of oil saved
- 17 homes of energy used
- 20,980 Gallons of gas not burned
- 39 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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