

ELS CASE STUDY

H.G. HILL FOOD STORES

QUICK FACTS

- **Project Name:** H.G. Hill LED Retrofit
- **Location:** Dickerson Pike, Nashville, Tennessee
- **Gross Square Footage:** ~36,500



PROJECT DESCRIPTION

Oeser Food Stores, Inc. is an owner and operator of an H.G. Hill Food Store in Nashville, TN. In 2012, Oeser Foods hired ELS to complete an energy efficient lighting upgrade. This project, while rare, included the use of high output T8 fluorescent bulbs as well as LEDs.

Store coolers, freezers, and walk-ins were retrofitted with high efficiency LED tube lamps. This not only made his food cases look better, but delivered a quality light without heat, saving the store thousands of dollars every year. How? Since the coolers and freezers don't have to work hard to compensate for the extra heat generated by the lights, they now only have to work to cool the food. The refrigeration systems run much less, saving electricity.

Energy Lighting Services. Save Energy. Save Money.

ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$15,340 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



850 tree seedlings grown for 10 years



7 passenger vehicles driven for 1 year



33 tons of carbon dioxide gas

KEY PROJECT RESULTS					
Total Cost w/o Incentives	Financial Incentives	Net Cost of Project	Projected Annual Savings	Simple Payback Period	Return on Investment
\$19,204	\$6,556	\$12,648	\$15,340	30 months	39%
Annual Energy Use			Annual Energy Reduction		
Before Project: 100,169 kWh After Project: 53,480 kWh			46%		