

ELS CASE STUDY

SWARCO

QUICK FACTS

- **Project Name:** SWARCO LED Retrofit
- **Location:** James Campbell Blvd., Columbia, TN
- **Gross Square Footage:** ~107,200



PROJECT DESCRIPTION

In 2013, SWARCO contracted with Energy Lighting Services to retrofit the lighting in all three of its plants in Columbia, Tennessee. The project saved them almost 80% on their kWh usage, equating to an annual money savings of over \$37,000. That is pretty amazing.

They were able to swap out old 1000-watt metal halide canopy lights with 150-watt LED canopy lights. Believe it or not, the light output was exactly what they needed for their plant operations. It is bright, clean, and clear lighting. Of course, with LED technology, their maintenance costs just went to practically zero for the next five years at least.

Energy Lighting Services. Save energy. Save money.

ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$27,418 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



4,857 tree seedlings grown for 10 years



40 passenger vehicles driven for 1 year



187 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
\$117,253	\$34,920	\$82,333	\$27,418	25 months	33%
Annual Energy Use			Annual Energy Reduction		
Before Project: 362,759 kWh After Project: 96,078 kWh			74%		