

ELS CASE STUDY

LEWIS HEALTH CENTER

QUICK FACTS

- **Project Name:** Lewis Health Center LED Retrofit
- **Location:** West Main St., Hohenwald, Tennessee
- **Gross Square Footage:** ~26,058



PROJECT DESCRIPTION

Lewis Health Center is an outpatient health care center located in Hohenwald, Tennessee, offering primary care, diagnostic imaging, laboratory, physical therapy and other services to residents of Lewis County. They are a subsidiary of Maury Regional Medical Center in Columbia, Tennessee.

In 2013, they contracted with Energy Lighting Services to retrofit all of the lighting on the property (interior and exterior) to LEDs. The staff and patients were very pleased with the transformation from an aesthetics perspective. Everything looks much brighter, fresher, and cleaner. The administration and board of directors were thrilled with the financial benefits.

The project had a 41% return on investment (ROI) and a \$98,498 net present value (NPV). Retrofitting to LEDs cut their energy consumption by 75% on their lighting system, saving them nearly half a million kWh annually.

Energy Lighting Services. Save energy. Save money.

ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$15,806 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



2,861 tree seedlings grown for 10 years



23 passenger vehicles driven for 1 year



110 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
\$56,333	\$0	\$56,333	\$15,806	32 months	41%
Annual Energy Use			Annual Energy Reduction		
Before Project: 208,416 kWh After Project: 51,329 kWh			75%		