

# ELS CASE STUDY

## WAYNE MEDICAL CENTER

### QUICK FACTS

- **Project Name:** Wayne Medical Center LED Retrofit
- **Location:** Mangubat Dr, Waynesboro, Tennessee
- **Gross Square Footage:** ~65,000



### PROJECT DESCRIPTION

Providing quality health care services for more than 50 years, the hospital is licensed for 80 beds, is accredited by The Joint Commission and has approximately 180 employees.

In 2013, Wayne Medical Center contracted with Energy Lighting Services to retrofit all of the lighting (interior and exterior) to LEDs. The faculty and patients were very pleased with the transformation from an aesthetics perspective. Their campus is safer, brighter, and fresher looking. The administration and board were thrilled with the financial benefits.

The project had a 57% return on investment (ROI). Retrofitting to LEDs cut their energy consumption by 72% on their lighting system, eliminating nearly 400,000 kWh of electricity use 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 \$51,216 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



**211 acres of trees saved annually**



**47 fewer cars driven for 1 year**



**246 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
<b>\$104,023</b>	<b>\$30,088</b>	<b>\$73,935</b>	<b>\$35,797</b>	<b>24 months</b>	<b>49%</b>
Annual Energy Use			Annual Energy Reduction		
<b>Before Project: 499,186 kWh</b> <b>After Project: 181,576 kWh</b>			<b>64%</b>		