

# ELS CASE STUDY

## KING'S DAUGHTERS MEDICAL CENTER

### QUICK FACTS

- **Project Name:** King's Daughters Medical Center
- **Location:** 427 US-51, Brookhaven, MS 39601
- **Gross Square Footage:** ~400,000



### PROJECT DESCRIPTION

King's Daughters Medical Center is an hospital foundation started in 1886. KDMC's missions is to provide quality heath and wellness in a Christian environment.

The project had a 147% return on investment (ROI). Retrofitting to LEDs cut their energy consumption by 32% on their lighting system, eliminating over 419,782 kWh of electricity use annually. Over 11,000 LED lamps and fixtures were installed during the course of this project.

### ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$63,086.41 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



**1036 trees saved for 1 year**



**133 fewer cars driven for 1 year**



**691 tons of carbon dioxide**

KEY PROJECT RESULTS				
Total Cost w/o Incentives	Financial Incentives	Net Cost of Project	Projected Annual Savings	Return on Investment
<b>\$338,470.64</b>	<b>\$50,000</b>	<b>\$288,470.64</b>	<b>\$63,086.41</b>	<b>147%</b>
Annual Energy Use			Annual Energy Reduction	
<b>Before Project: 1,306,238 kWh</b> <b>After Project: 886,456 kWh</b>			<b>32%</b>	