

ELS CASE STUDY

INDIAN LAKE PENINSULA CHURCH

QUICK FACTS

- **Project Name:** Indian Lake Peninsula Church
- **Location:** 235 Indian Lake Rd, Hendersonville, TN
- **Gross Square Footage:** ~70,000



PROJECT DESCRIPTION

Indian Lake Peninsula Church is located in the heart of Hendersonville, TN. They are community driven and offer pre-school classes, as well as Special Needs classes.

The project had a 71.46% return on investment (ROI). Retrofitting to over 600 high quality LED lamps & fixtures, their energy consumption was cut by 37% on their lighting system, eliminating over 27,000 kWh of electricity use annually.

ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$6,146.43 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



55.6 trees saved for 1 year



7.1 fewer cars driven for 1 year



37 tons of carbon dioxide gas

KEY PROJECT RESULTS				
Total Cost w/o Incentives	Financial Incentives	Net Cost of Project	Projected Annual Savings	Return on Investment
\$40,615.29	\$0	\$40,615.29	\$6,146.43	71.46%
Annual Energy Use			Annual Energy Reduction	
Before Project: 75,307 kWh After Project: 47,510 kWh			37%	