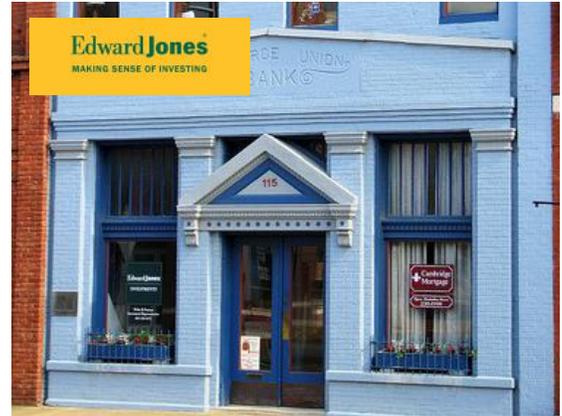


# ELS CASE STUDY

## EDWARD JONES

### QUICK FACTS

- **Project Name:** Edward Jones LED Retrofit
- **Location:** Main St., Gallatin, Tennessee
- **Gross Square Footage:** ~1,830



### PROJECT DESCRIPTION

Wilda Dodson is a Financial Advisor with Edward Jones Investments in historic downtown Gallatin, Tennessee. In January 2013, Energy Lighting Services was hired to help consult on an LED retrofit to replace all of their fluorescent T12 lights with LEDs. Her office is in a building that was built in the 1800s, proving that energy efficient lighting isn't just for new construction or commercial buildings from the twentieth century and beyond. Nineteenth century buildings can benefit from LEDs as well.

The project had a 91% return on investment (ROI) and simple payback period (SPP) of 11 months. Dodson commented after the project about how much nicer the lights seemed to her office staff and clients. The light was not as harsh, according to Dodson. Retrofitting to LEDs cut their energy consumption by 75% on their lighting system. In addition, they have only had to climb a ladder once to replace one bulb that went out, where before they were replacing bulbs and ballasts on a weekly basis before the LED retrofit.

Energy Lighting Services.

*NOTE: This project was a self-installation. Energy Lighting Services merely conducted the energy use audit and sourced the project materials for*

### ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$645 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



**117 tree seedlings grown for 10 years**



**1 passenger vehicles driven for 1 year**



**5 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>\$1,820</b>	<b>\$662</b>	<b>\$1,158</b>	<b>\$645</b>	<b>11 months</b>	<b>91%</b>
Annual Energy Use			Annual Energy Reduction		
<b>Before Project: 9,047 kWh</b> <b>After Project: 2,596 kWh</b>			<b>71%</b>		