

# ELS CASE STUDY

## CUMBERLAND VIEW TOWERS

### QUICK FACTS

- **Project Name:** Cumberland View Towers
- **Location:** 1201 Cheyenne Blvd, Madison, TN 37115
- **Gross Square Footage:** ~150,000



### PROJECT DESCRIPTION

Cumberland View Towers is a non-profit organization sponsored by Kentucky-Tennessee Conference of Seventh-day Adventists. They provide affordable housing for seniors with 150 one bedroom apartments in Madison, TN.

The project had a 322% return on investment (ROI). Retrofitting to LEDs cut their energy consumption by 71.6% on their lighting system, eliminating over 200,000 kWh of electricity use annually.

### ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$24,409.36 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



**389.3 trees saved for 1 year**



**32.2 fewer cars driven for 1 year**



**166 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 |
| <b>\$62,617.41</b>   | <b>\$4,853</b>       | <b>\$57,764.41</b>  | <b>\$24,409.36</b>       | <b>322%</b>          |
| Annual Energy Use  |                      |                     | Annual Energy Reduction  |                      |
| <b>Before Project: 282,061 kWh</b><br><b>After Project: 80,197.5 kWh</b> |                      |                     | <b>71.6%</b>             |                      |