

BELMONT ABBEY COLLEGE



SNAPSHOT



Energy Savings

61%

Light Fixture Power

Various reductions, multiple fixtures

Annual kWh Saved

1,146,698 kWh

Annual CO₂ Saved

806 metric tons

Simple Payback Period

INSTANT Payback (thanks to financing)

Total 10 Year Savings

\$1,287,828.87 dollars

Utility Rebates

\$187,088.00 dollars



Before



BeforeAfter

After

PROJECT SUMMARY: Located just 10 miles west of Charlotte, North Carolina, Belmont Abbey College has been rated one of the top Catholic colleges in America. Mike Abba, Director of Facilities, recently made the decision to upgrade all of Belmont Abbey College's interior lighting to modern, energy efficient LED.

“Reducing greenhouse gases requires honesty, courage and responsibility.” -Pope Francis from his recent climate change encyclical, *Laudato Si*.

In partnership with the LED lighting experts at NetZero USA, Belmont Abbey College is on track to reduce their carbon emissions from lighting related energy consumption by 806 metric tons each year, setting a strong example for others to follow.

This two-phase lighting project involved retrofitting light fixtures with various LED lighting products that were installed directly into existing fixtures, a method that cuts down on both cost and waste.

In total, nearly 2,000 metal halide and fluorescent light fixtures were upgraded for energy efficiency, saving an average of 62% electricity consumption and over \$84,000 dollars on lighting costs each year.