

CASE STUDY

Incentives from Duke Energy Progress enabled the Town of Morrisville to complete a lighting retrofit project in four public buildings, improving lighting quality while lowering energy costs.

The Situation:

The Town of Morrisville, a suburb of Raleigh, N.C., recently completed a lighting retrofit throughout four community service buildings including two fire stations, an aquatic center and a public works building. By making some relatively small changes, the town significantly lowered their energy costs and improved the lighting quality in these facilities.

The Duke Energy Progress incentive helped the Town of Morrisville to offset the initial costs of their project. With the \$9,181 incentive, the total cost of the project was cut by more than half, allowing them to use those resources elsewhere and start reaping benefits immediately.

Project Details:

Before the upgrade, lighting in all four facilities consisted of inefficient fluorescent fixtures and incandescent bulbs. Both fire stations also had incandescent exit signs. The town worked with Hi-Lite Electric, a Trade Ally of the program, to replace the outmoded lighting. The project resulted in the replacement of 280 multi-lamp T12 fixtures with multi-lamp T8 high bay fluorescent ones. Five incandescent exit signs were retrofitted with LED signs, and all incandescent light bulbs were replaced with more energy-efficient compact fluorescent lights. These changes increased the lighting quality while creating combined energy savings of 120,470 kWh per year or over \$9,638 annually. That means the energy savings will pay for the new lighting in less than two years.

Your Business Can Benefit Too:

Today, more than ever, energy efficiency is a smart business decision. Duke Energy Progress offers incentives for a variety of new construction and retrofit projects, including lighting, HVAC, motors and refrigeration, that can cover up to 75 percent of the incremental project cost. Our network of Trade Allies, such as contractors, vendors, engineers and architects, can guide you through your energy-efficiency project and the incentive process. You can even elect to have the incentive check sent to your vendor to reduce initial project costs and simplify your bookkeeping.



PROJECT HIGHLIGHTS

Customer: Town of Morrisville, N.C.

Measures implemented: Lighting

Original project cost:	\$16,488
Duke Energy Progress incentive:	-\$9,181
New project cost:	\$7,307

Projected energy cost savings: \$9,637/year

Payback period: 1.71 years

Learn more at duke-energy.com/carolinabusiness.

Questions? Call **1.866.326.6059**.