

CASE STUDY

An incentive from Duke Energy Progress allowed Wilmington Box Company to dramatically improve their lighting while lowering their monthly energy bills in their expanded facility.

The Situation:

Wilmington Box Company, an area corrugated box company, recently concluded a comprehensive lighting retrofit and replacement project in their office, warehouse and production areas that is significantly improving the light quality and decreasing energy costs and maintenance time that they incurred previously.

General Manager Hobbs Goodwin explained that Wilmington Box Company had expanded into the facility and needed improvements to the lighting that was there. The Duke Energy Progress incentive helped Wilmington Box Company offset the initial costs of their lighting upgrade. With the \$11,310 incentive, the total cost of the project was cut almost in half.

Project Details:

Prior to the upgrade, the lighting at Wilmington Box Company consisted of 400-watt metal halide lamps and high pressure sodium vapor fixtures and 4-lamp T12 fluorescent fixtures with magnetic ballasts. Wilmington Box Company worked with Southpoint Solutions, a Trade Ally of the program, to replace the lamps with 4-lamp T8 high bay fluorescent fixtures and high performance 2-lamp T8 fluorescent fixtures with electronic ballasts. These changes dramatically increased the lighting quality in the facility while creating considerable energy savings. The facility is projected to save more than 133,200 kWh per year or over \$10,600 annually. Plus, the energy savings will pay for the new system in less than three years, or less than a year and a half when factoring in the \$11,310 incentive.

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 your incentive check sent to your vendor to reduce your initial project costs and simplify your bookkeeping.



Wilmington Box Company

PROJECT HIGHLIGHTS

Customer: Wilmington Box Company, Burgaw, N.C.

Measures implemented: Lighting

Original project cost:	\$26,982
Duke Energy Progress incentive:	-\$11,310
New project cost:	\$15,672

Projected energy cost savings: \$10,657/year

Payback period (without incentive): 2.53 years

Payback period (with incentive): 1.47 years

Learn more at duke-energy.com/carolinasBusiness.

Questions? Call **1.866.326.6059**.