



WAWA, INC.

Wawa, Pennsylvania



LIGHTING CASE STUDY

FSG performed a multi-site LED retrofit for WAWA convenience stores.

CHALLENGE

WaWA was seeing its utility budget increasing between 12 and 15 percent over each of the previous five years. It turned out lighting accounted for 30 percent of electric usage. Wawa tested and evaluated three competitive LED solutions in refrigerated coolers in several of its stores.

SOLUTION

Facility Solutions Group (FSG), installed 4000K Immersion LED lighting in refrigerated cooler and freezer cases in 590 locations, totaling more than 10,000 doors. Thirty-three-watt 70-inch LED light fixtures replaced 82-watt fluorescent T8 lamps including ballasts in between 12 and 14 cooler doors per store, while 27-watt 60-inch LED fixtures were used in Wawa's two-, three- or four-door freezers. Scott Boorse, energy and petroleum operations manager for Wawa added it was important not to impact Wawa's peak sales times during the lighting retrofits.

RESULT

Wawa has reduced refrigerated cooler/freezer electricity and maintenance expense by a combined 78 percent since its adoption of GE's Immersion LED refrigerated display lighting. Annual cost savings per store average \$2,000 equating to \$1.2 million across Wawa's entire 600-store chain, including locations in Pennsylvania, Maryland, New Jersey, Delaware and Virginia. Ultimately, the company will experience project payback after only 26 to 28 months.

Owner

WaWa, Inc.

Contract Type

Lighting

Contract Amount

\$1,200,000.00

Electrical Contractor

FSG Electric

Cost Savings

\$1,200,000.00/Year

Number of Fixtures

Replaced

10,000

