

CASE STUDY

Weis Markets

PPL Electric Utilities Business Energy Efficiency Program



Project overview

PPL Electric Utilities provided Weis Markets with more than **\$71,000 in incentives** to offset the cost of installing LED fixtures with energy-efficient smart features. These improvements are expected to save the company 1,261,282 kWh annually.

✓ Just the facts

\$71,532.88
Incentives paid

981,347
Annual kWh savings

300% minimum
increase in light levels

\$91,265.27
Estimated annual savings

The opportunity

Weis Markets is a leading supermarket chain that has served the mid-Atlantic area since 1912. Founded on self-reliance and committed to sustainability, the family-owned company has weaved those principles into all aspects of its business, including design. Weis Markets chose PPL Electric Utilities to help it upgrade lighting throughout its 1.5 million-square-foot distribution center in Milton, Pennsylvania.

Fluorescent light fixtures caused high wattage output but low light levels at the Milton Distribution Center, making it difficult for associates to fill orders for the company's 196 stores. The PPL Electric Business Energy Efficiency Program provided technical expertise, support and rebates to help Weis Markets offset the cost of a lighting overhaul complete with automated energy-saving features.

The project

The new LED lighting retrofit included:

- Installation of 864 RAB H17XLB fixtures
- Installation of 26 RAB T34FA-2X4 fixtures
- Adjustable light output of 150W, 200W or 250W, with the lowest level providing appropriate light levels
- Dimming and motion-activated features to automatically shut off lights in unoccupied areas of the warehouse

The results

The new light fixtures will provide adequate lighting for the distribution center, even at the lowest setting of 150W. The wattage output is significantly lower than that of its previous fluorescent fixtures, and overall, the LED retrofit saves Weis Markets a total of 1,261,282 kWh annually. These upgrades are expected to provide a 300% minimum increase in light levels.

Annual kWh savings is equal to:



CO₂ emissions from **99,147** gallons of gasoline consumed



Greenhouse gas emissions avoided by: **306** tons of waste recycled instead of landfilled



Carbon sequestered by: **5.7** acres of U.S. forests preserved from conversion in one year

Source: U.S. Environmental Protection Agency

"The LED retrofit at the Milton Distribution Center has proved to be a project that was worth its investment. The new LED lighting is a night-and-day difference from the fluorescent tube fixtures that were replaced. Associates are pleased with the lighting upgrade because it now provides them with sufficient light to easily view products when they are picking orders for stores."

—Cooper Electric, contractor



Questions?

Visit ppl electric.com/BusinessRebates or call us at **1-866-432-5501** to learn how your business or organization can save.

The costs of energy efficiency programs are recovered through customer rates in accordance with Pennsylvania Act 129 of 2008. PPL Electric Utilities assumes no responsibility for the performance of the equipment or equipment warranty, the quality of the work, labor and/or materials supplied, and/or the acts or omissions of any contractor.



PPL Electric Utilities