

CASE STUDY

LTM Collision Center

PPL Electric Utilities
Direct Discount Program



Project Overview

PPL Electric Utilities provided Lancaster Toyota Collision Center with a \$4,687 rebate toward a lighting upgrade that is estimated to save \$2,459 annually on their utility bill.

BY THE NUMBERS

\$4,687

Rebates paid

36,056

Annual kWh savings

\$2,459

Estimated annual savings

1.9 years

Estimated payback period with rebates

The opportunity

Looking to replace their outdated exterior lighting, LTM Collision Center reached out to a participating contractor, A1 Energy, about a retrofit. The contractor recommended upgrading to energy-efficient LEDs as a way to lower costs and make the auto shop eligible for rebates through the PPL Electric Utilities Direct Discount Program.

The project

A1 Energy replaced 18 metal halide lights in the auto shop's parking lot with 16 LEDs. The upgrades included area lights, security arm-mounted lights and bullet flood lights. Compared to the metal halides, the new LEDs are much brighter, last far longer and use 65–75 percent less energy.

The results

The upgrades are estimated to save 36,056 kWh a year, cutting LTM's annual energy costs by \$2,459. Overall, the auto shop has reduced their total energy use by 13 percent. On top of that, they received a \$4,687 rebate from PPL Electric Utilities, putting the project's payback period at just under two years.

Savings equal to greenhouse gas emissions from:



65,768

miles driven by an average passenger vehicle



9.3

tons of waste recycled instead of landfilled



5.7

passenger vehicles driven for one year

Source: U.S. Environmental Protection Agency

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.



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