

## CASE STUDY

# Allentown Kia

PPL Electric Utilities  
Business Energy Efficiency Program



## Project Overview

PPL Electric Utilities provided Allentown Kia with \$10,166 in rebates toward a lighting upgrade that's estimated to save 203,329 kWh annually.

### BY THE NUMBERS

**\$10,166**

Rebates paid

**203,329**

Annual kWh savings

**\$11,183**

Estimated annual savings

## The opportunity

For Allentown Kia, Pennsylvania's largest Kia dealership by volume, ensuring their 50,000 square-foot lot stays bright and inviting is a top priority. After learning how much they could save by upgrading the lot's high-wattage metal halides to brighter, more energy-efficient LEDs, the dealership contacted West Side Hammer Electric to complete the overhaul.

## The project

West Side Hammer Electric retrofitted all of the dealership's exterior lighting, replacing 92 metal halide lights with LED wall packs and pole-mounted luminaires. To help cut project costs, the contractor recommended applying for rebates through the PPL Business Energy Efficiency Program.

## The results

In total, the lighting upgrade is estimated to save Allentown Kia 203,329 kWh per year, equivalent to \$11,185 in annual energy costs. The dealership also received \$10,166 in rebates from PPL Electric Utilities, offsetting costs even further and reducing project payback time. In addition to cost savings, the LEDs have made the lot brighter and more welcoming for customers

## Questions?

Visit [ppllectric.com/businessrebates](http://ppllectric.com/businessrebates) or call us at **1-866-432-5501** to learn how your business or organization can save.

The annual savings are calculated based on the cost of energy at \$0.055/kWh. 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.

Annual savings equal to greenhouse gas emissions from:



**370,885**

miles driven by an average passenger vehicle



**52.7**

tons of waste recycled instead of landfilled



**32.4**

passenger vehicles driven for one year



**7.5**

garbage trucks of waste recycled instead of landfilled

Source: U.S. Environmental Protection Agency

"The new LED parking lot lights make our cars look great at night and provide a nice presentation for our customers. Plus, the energy savings lower our operating costs."

Wayne Hileman, President  
Allentown Kia



PPL Electric Utilities