

CASE STUDY

Sapa Extrusions Inc.

PPL Electric Utilities Business Energy Efficiency Program



Project Overview

PPL Electric Utilities provided Sapa with \$344,113 in rebates toward a lighting retrofit that's projected to save the company 4,929,267 kWh annually.

BY THE NUMBERS

\$344,113

Rebates paid

4,929,267

Annual kWh savings

\$351,007

Estimated annual savings

2.5 years

Payback period

The opportunity

Sapa Extrusions Inc. located in Cressona, PA is an aluminum extrusion company looking to save money on a lighting retrofit. To achieve this, the company reached out to PPL's Business Energy Efficiency Program, who assisted Sapa through the entire application process, calculated savings and reserved funding for the project.

The project

Sapa had a total of 1,222 400W high-pressure sodium (HPS) fixtures and 1,000W metal halide fixtures replaced with 285W and 397W LED fixtures. The project was such a significant undertaking that it had to be completed in six phases, with the third phase being one of the largest single lighting retrofit in PPL's Business Energy Efficiency Program.

The results

The project is estimated to save Sapa \$351,007 annually in energy costs. These savings, paired with \$344,113 in rebates from PPL's Business Energy Efficiency Program, greatly offset the cost of the project, putting the project payback at only 2.5 years.

Sapa saved an impressive 4,929,267 kWh and will continue to save for a long time, thanks to the new lights using less energy, lasting longer and requiring less maintenance.

Sapa is currently investigating other opportunities with PPL's Business Energy Efficiency Program including exterior lighting conversions and compressed air system efficiency improvements. These energy efficiency projects help Sapa save energy and money, with the added benefits of being environmentally responsible and assisting sustainability goals for businesses.

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.

Annual savings equal to greenhouse gas emissions from:



8,302,424

miles driven by an average passenger vehicle



1,099

tons of waste recycled instead of landfilled



732

passenger vehicles driven for one year



157

garbage trucks of waste recycled instead of landfilled

Source: U.S. Environmental Protection Agency



PPL Electric Utilities