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CASE STUDY

PACKAGING CORPORATION OF AMERICA

Hanover, Pennsylvania



Packaging Corporation of America (PCA) is a world-class manufacturer of containerboard and corrugated packaging. PCA contracted with GreenTech Energy Services to install a lighting retrofit in its 60,000-square-foot manufacturing plant in Hanover, PA. GreenTech replaced outdated 400 watt metal halide high bay fixtures with new T5 fluorescent lights, retrofit obsolete T12 fixtures with T8's, replaced 20-watt incandescent exit signs with 2-watt LED signs, and installed occupancy sensors throughout the office areas and warehouse. The project not only enhanced the plant's aesthetics, but significantly reduced energy costs and consumption.

PROJECTED SAVINGS

- Project Cost.....\$53,961
- EPACT Tax Savings.....\$9,296
- Utility Rebate.....\$3,903
- Payback Period.....2.7
- KW Saved10
- KWH Saved.....69,084
- Energy Savings.....\$10,086
- Operational Savings.....\$1,619
- Total Savings.....\$11,705

ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds)..... 103,627
- Reduction in Sulfur Dioxide (grams)..... 386,872
- Reduction in Nitrogen Oxide (grams).....172,711



"We are extremely happy with the job – it exceeded all our expectations in terms of lighting output and quality. Our goal was to meet PCA specs, which we did, but we weren't prepared for how evenly and well lit the place would look."

*Dave Jones, Production
Manager, PCA*