



CASE STUDY

PACKAGING CORPORATION OF AMERICA

Trexlerstown, 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 160,000-square-foot manufacturing plant in Trexlertown, PA. Prior to the retrofit, the lighting was dim and uneven throughout the plant, with foot candles measuring far below PCA's stringent standards. GreenTech replaced outdated 250 and 400 watt metal halide high bay fixtures with new shatterproof T8's, retrofit eight-foot T12 fixtures with four-lamp T8's, and installed occupancy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

- EPACT Tax Savings.....\$24,517
- Payback Period..... 1.3
- KW Saved 87
- KWH Saved.....607,726
- Energy Savings..... \$71,104
- Operational Savings..... \$3,693
- Total Savings..... \$74,797



ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds).....965,943
- Reduction in Sulfur Dioxide (grams)..... 3,606,186
- Reduction in Nitrogen Oxide (grams).....1,609,905

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