



## CASE STUDY

### BEHR PROCESS CORPORATION

Allentown, Pennsylvania

Behr Process Corporation, a manufacturer of interior and exterior residential paint, is based in Santa Ana, California. GreenTech Energy Services recently completed a lighting retrofit project for its 307,700-square-foot warehouse in Allentown, PA. Outdated 400-watt metal halide fixtures were replaced with new T5 fluorescent fixtures, providing instant on and off capability, which eliminates warm-up time. Each fixture was equipped with sensors that turn lights off when rooms are unoccupied. The new lighting has generated energy savings of \$101,882, yet the light candle readings have remained the same throughout the facility.

#### PROJECTED SAVINGS

- Program Cost - \$219,406
- EPACT Tax Savings - \$110,772
- Payback Period - 1 year
- KW Saved - 161
- KWH Saved - 1,198,611
- Energy Savings - \$101,882
- Operational Savings - \$6,582
  
- Total Savings - \$108,464
- Estimated 10-year Savings - \$1,240,810



#### ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds) - 1,797,917
- Reduction in Sulfur Dioxide (grams) - 6,712,222
- Reduction in Nitrogen Oxide (grams) - 2,966,528



**BEFORE**



**AFTER**

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