



## CASE STUDY

### Parkland School District Allentown, Pennsylvania

Parkland School District in Allentown, PA contracted with GreenTech Energy Services to design and implement a lighting retrofit throughout Ironton and Kratzer Elementary Schools. Outdated HID fixtures in the gymnasiums were replaced with state-of-the-art T5 HO Fluorescent Fixtures with lens covers and cages. The new fixtures provide instant on and off, which eliminates warm-up time, and dramatically increased light levels. GreenTech also installed occupancy sensors in the classrooms and offices, resulting in significantly reducing energy usage.



#### PROJECTED SAVINGS

- Total Program Costs - \$224,649
- KW Saved - 97
- KWH Saved - 247,935
- Energy Savings - \$22,958
- Operational Savings - \$10,110
- Total Annual Savings - \$33,068
- Payback - 6.7 years

#### ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds) - 371,903
- Reduction in Sulfur Dioxide (grams) - 1,388,438
- Reduction in Nitrogen Oxide (grams) - 619,838



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