



CASE STUDY

VENTNOR EDUCATIONAL COMMUNITY COMPLEX, VENTNOR, NJ

The Ventnor Educational Community Complex, a 250,000 square foot building housing the elementary and middle schools of Ventnor, NJ, hired GreenTech to design and install a lighting project. In both the old and new gyms, 400-watt metal high bays were replaced with new T5 fluorescent fixtures with reflectors and cages on the lenses. In the gym storage area, 250-watt metal high bays were replaced with 28-watt T8 fluorescents. 15-watt incandescent exit signs were replaced with new 2-watt LED exit signs. Corner and wall switch sensors were placed throughout the classrooms, kitchen, offices and storage rooms to assure that lights are turned off in unoccupied areas. And in the atrium hallway, a wireless low-voltage sensor system was installed. These upgrades dramatically cut carbon emissions and utility costs as well as operational costs. At the same time, they improved the level and quality of lighting and enhanced safety in the gyms.

Energy & Cost Savings:

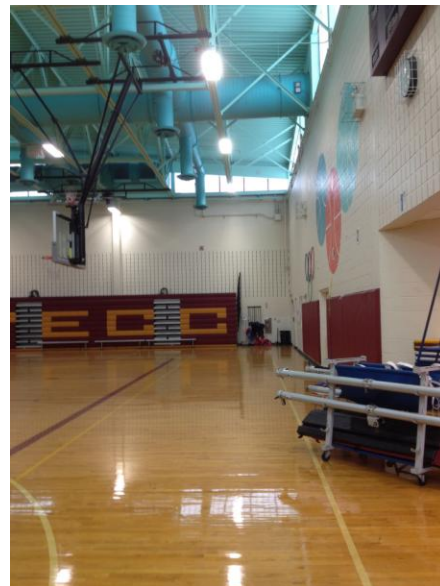
- Program Cost-----\$64,061
- Utility Rebate-----\$7,210
- Payback Period----- 3.5
- KW Saved-----12
- KWH Saved-----89,277
- Energy Cost Savings---\$14,284
- Operational Savings---\$1,922
- Total Savings-----\$16,206

Environmental Impact:

- Reduction in Carbon Dioxide (pounds)-----133,916
- Reduction in Sulfur Dioxide (grams)----- 499,952
- Reduction in Nitrogen Oxide (grams)----- 223,193



BEFORE



AFTER