



CASE STUDY

Garfield High School Garfield, New Jersey

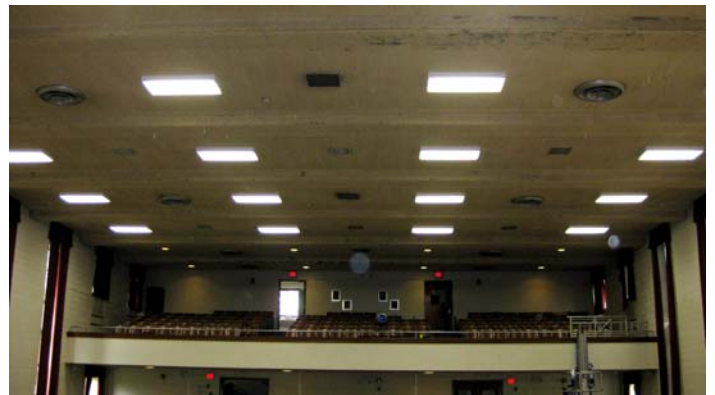
GreenTech Energy Services recently completed a lighting retrofit project for the Garfield High School that consisted of the following energy-savings solutions. Outdated 400-watt metal halide fixtures in both the old and new gymnasiums were replaced with new T5 fluorescent fixtures, providing instant on and off capability, which eliminates warm-up time. Each fixture is equipped with a clear poly carbonate lens and wire cage, enhancing the safety and durability of the lighting system. The new lighting has improved the overall aesthetics of the gyms and generated energy savings of 53%. In addition, the lighting in the auditorium was replaced with new T8 surface-mount fixtures. The new auditorium lighting improves the quality of light and saves energy as well.

			Energy savings		Energy cost savings			
Program Cost	Utility Rebate	Payback Period	KW Saved	KWH Saved	KWH Savings	Energy Savings	Operations Savings	Total Savings
\$75408	\$7005	3.6	20	97,621	\$16,596	\$16,596	\$2,262	\$18,858

BEFORE



AFTER



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