

# Poquoson Schools



## CASE STUDY

Location: **Poquoson, VA**

Application: **School Gymnasiums**



### Essentials Series 4.0 (ES4)

The ES4 delivers superior performance, quality and versatility in low bay and high bay applications. Designed with an even higher efficacy and a best-in-class thermal management, the Essentials Series 4.0 provides the highest reliability and best lumen maintenance in the industry while providing the lowest TCO.

### RESULTS

Poquoson Schools replaced 400W metal halides with the same number of Essentials Series High Bays in two school gymnasiums. The upgrade results were dramatic, with everything from lower maintenance costs to instant ON / OFF capabilities.

**60%**  
ENERGY REDUCTION

**2.6x**  
BRIGHTER

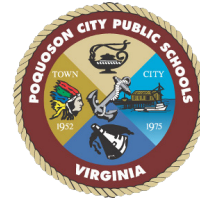
**2,861**  
REDUCED WATTAGE

## OVERVIEW

Two gymnasiums in the Poquoson, VA, school district used Essentials Bay Series fixtures to replace 400W metal halides headed into the fall 2012 school year. At Poquoson High School (pictured below), the installation tripled light levels while also reducing power consumption from 6,045 to 3,184 watts.

The results were most dramatic at Poquoson Middle School. Existing 400W metal halide high bays were replaced on a one-for-one basis with Essentials Bay Series 2-module and 4-module fixtures. Power

consumption dropped by more than 60 percent while dramatically elevating light levels. The schools are also benefiting from lower maintenance costs and the instant ON / OFF capabilities of the new fixtures.



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