

CASE STUDY



# Hartwick College

## LED EXTERIOR LIGHTING



Old Lighting



New Lighting

### Existing Conditions

Ongoing LED exterior lighting upgrades for Hartwick's 10-15 Year old campus exterior lighting system. Upgrades driven by maintenance issues, high energy costs, campus revitalization and requested improved evening/night visibility for safety and student foot travel.

### New Conditions

Many exterior LED lighting updates and renovations. This phase of updates included replacing walkway lined metal halide bollard lighting with decorative post top LED pole lights. The light fixture quantity was reduced by 50% and the existing bollard bases were reconditioned and used to reduce project labor and material costs. Also included in this phase were new light pole installations, area light replacements and new LED wall packs. 70% energy savings with vastly improved nighttime light levels, light quality and visual appeal.

## SAVINGS & REBATES

**Annual kWh Savings:** 46,157

**kW Savings:** 10.55

**Annual Dollar Savings:** \$5,538.92

**Utility Rebates:** \$6,000.50

**Project ROI:** 38.5%

