

## *Project Profile:* Gould Academy, Ordway Hall



### *Building Details*

- Location: Bethel, ME
- Primary Uses: Dining hall & conference center
- Building Height: 2 story
- Year Built: 1998
- Building Area: 102,571 sqft
- Project Completion: Dec 2013

*Detailed lighting assessment and implementation of recommended energy conservation measures has **reduced lighting energy use by 77%**.*

Efficiency Measures	
<b>Investment</b>	\$95,580
<b>Operational Savings, \$/yr</b>	\$14,060
<b>Simple Payback, years</b>	6.8
<b>Estimated Energy Savings, kWh/yr</b>	113
<b>Measured Energy Savings, MWh/yr</b>	117
<b>Environmental Impact</b> CO <sub>2</sub> , NO <sub>x</sub> , VOC emissions	Reduced 77%

### *Lighting Efficiency Strategies*

**‘State of the Art’ LED Lighting.** Designed & installed a premium efficiency LED lighting system to comprehensively replace existing of lamps & fixtures.

**Lighting Control.** Installed digital control system to reduce the operating hours of the lighting system through programmed scheduling and use of occupancy sensors. Programming included automated dimming during daytime hours to maximize use of natural light.

**Lumen Level Adjustment.** Adjust lumen level to meet the Illuminating Engineering Society of North America (IES) recommended standards.

