

# Golisano Hall

Oneonta, NY, Otsego County

## Background

Hartwick College, a liberal arts and sciences college with a student population of 1,500, has constructed a LEED Certified 37,500 square foot academic and office building with lecture halls, faculty offices, and common study areas.

Burt Hill provided services as the project engineer and architect. LeChase Construction Services provided construction management.

Novus Engineering, PC was retained by NYSERDA to evaluate electric energy efficiency opportunities for the new building under the New Construction Program.

## Recommendations

Novus analyzed the proposed energy efficient measures for the building compared to a baseline building that met the current code requirements. The results of the analysis demonstrated the integrative impact of all measures of the enhanced building for a whole building energy savings result and incentive value for the project.

A summary of the key design features that will reduce energy requirements follows:

- Enhanced wall and roof insulation
- High performance glazing
- High efficiency lighting
- Occupancy sensor control for lighting and HVAC
- Exhaust air heat recovery
- High efficiency chiller
- Building Automation System



***Golisano Hall at Hartwick College is the first LEED-certified building in Otsego County. Hartwick College could not have met the stringent LEED requirements without the consulting expertise of NYSERDA.***

***Hartwick College is a higher education leader in green building design. Golisano Hall signifies the college's commitment to sustainability, and it represents a successful collaboration with NYSERDA.***

*-Margaret Arthurs, Director of Corporate, Foundation, and Government Relations*

### Incentives and Results

NYSERDA's incentive of \$59,163 will help Hartwick College defray a portion of the implementation cost to install the efficiency improvements and assistance in LEED Certification. In total the college's investment could result in:

- Annual electrical energy savings of more than 72,453 kWh
- Peak demand savings of 63.8 kW in the summer and 27.9 kW in the winter
- Annual electrical energy cost savings of almost \$23,748
- Simple payback (after incentive) of 8.14 years for project

Golisano Hall was calculated to be approximately 33% above the NYS Energy Conservation Construction Code and ASHRAE Standard 90.1 code.



To find out how you can reduce your energy consumption and costs, visit [NYSERDA.NY.GOV](http://NYSERDA.NY.GOV).