

# Unit Ventilator Controls, Night Setback and Lighting

## Reduce Energy Consumption And Utility Cost



**Onteora Central School District** buildings are located on Route 28 in Boiceville, NY with locations in West Hurley and Woodstock as well. The District is a five facility school district totaling 328,176 square feet. The facilities are used for the education of the local school age population from pre-kindergarten through grade twelve. The New York State Energy Research and Development Authority co-funded a comprehensive energy audit conducted by Optimized Energy Services, Inc. to help reduce building operational costs and save energy.

### Project Objectives

The objective of the comprehensive energy audit was to identify energy efficient alternatives to existing lighting, building heating, building domestic hot water production, making improvements to the existing building envelope and analyzing the existing building HVAC controls throughout the facility. Through NYSERDA's Technical Assistance program, the school district received a matching grant to have an engineering study completed for the evaluation of energy efficiency opportunities.

### Measures Recommended

NYSERDA's study concluded that through eight recommended energy conservation measures that included: energy efficient lighting, lighting controls, pipe insulation, oxygen trim control for boilers, steam trap replacement, energy management system improvements, condensate tank repairs, envelope, and unit ventilator control improvements to the facility that could reduce electrical consumption by 27% and reduce facility utility costs by over 22%.

- Cost of Recommended Measures - \$548,876
- Energy Savings - \$91,207
- Simple Payback Years - 6.0 years

### About the Technical Services Program

NYSERDA's Technical Assistance programs identify opportunities for New York businesses to increase competitiveness by using energy more efficiently and improving productivity. This project was funded under NYSERDA's New York Energy Smart program, which helps utility customers take advantage of opportunities to save energy that are emerging as a result of the newly deregulated, competitive utility industry. For more information about this and other NYSERDA programs, call Mr. Scott Smith, Sr. Project Manager. Phone: (518) 862-1090 x3344, [sas@nyserdera.org](mailto:sas@nyserdera.org), or visit our website at [www.nyserdera.org](http://www.nyserdera.org)