West Valley Central School District

West Valley, NY

Background

The West Valley Central School District recently completed a large-scale renovation and expansion project of its existing school building. The project consisted of upgrading this building to better provide 21st century educational services to its students, and provide an improved learning and teaching environment.

West Valley Central School District sought to incorporate energy-efficient equipment and measures during the renovation. It applied for assistance through NYSERDA's New Construction Program, and, as a result, an energy analysis was completed by Wendel Duchscherer Architects and Engineers PC, a NYSERDA technical consultant. The analysis was performed in cooperation with the project architect, Thomas Associates.

Recommendations

The energy analysis recommended several measures to reduce electrical consumption at the school, including:

- High-efficiency lighting fixtures and occupancy sensors
- Direct digital-control energy-management system including an electrical demand-limiting feature

"Like a lot of schools in the state, the West Valley School buildings were not constructed with energy efficiency in mind. NYSERDA's New Construction Program helped identify some relatively easy ways to save energy and redirect those dollars into resources for our students."

–Charles Rinaldi, Superintendent, West Valley Central School

Incentives and Results

NYSERDA's $15,298 incentive to install these energy-efficient measures resulted in:

- Annual operational savings of $2,350 or 20,277 kWh
- Peak-demand energy savings of 269 kW during the summer
- Annual CO_2 emissions reduction of 8.95 tons

The improved building-control system monitors all new and existing classroom ventilators, air handlers, boilers, and hot water systems.

To find out how you can reduce your energy consumption and costs, visit NYSERDA.NY.GOV.

EES-CI-westvalley-cs-1-v1 12/11

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