

# New York State Office of Parks, Recreation and Historic Preservation

Staatsburgh, NY, Dutchess County

## Background

The New York State Office of Parks, Recreation and Historic Preservation office building performed a complete rehab of the former Staatsburgh Public Elementary School. The 30,000 square foot building, originally constructed in the early 1900s is now an office building with public assembly space (the former auditorium) and houses the regional New York State Park Police. LEED Silver was achieved.

SAIC was retained by NYSERDA to evaluate electric energy efficiency opportunities for renovation under the New York Energy Smart New Construction Program.

## Recommendations

SAIC provided technical assistance to investigate the energy efficiency conservation measures for financial incentives through NYSERDA's New Construction Program.

Among the energy efficiency improvements implemented in the building were:

- Envelope - High Performance Windows, Foam Board Wall Insulation, Open Cell Foam insulation at Roof Deck
- Lighting - Reduced lighting power density, including daylighting sensors, high efficient light fixtures, occupancy sensors.
- HVAC – High performance geothermal water sourced heat pump system with heat recovery ventilators.
- Other - Point of use (tankless water heaters)

## Incentives and Results

NYSERDA's incentive of \$59,775 helped the New York State Office of Parks, Recreation and Historic Preservation defray a portion of the implementation cost to install the efficiency improvements. In total, New York State Office of Parks, Recreation and Historic Preservation investment could result in:

- Annual Energy savings of more than 82,276 kWh
- Peak demand savings of 9.5 kW in the summer
- Annual Energy Cost savings of almost \$7,450
- Simple payback (after incentive) of 19 years for project

The New York State Office of Parks, Recreation and Historic Preservation is 45% above ASHRAE 90.1-2004.



***“NYSERDA was instrumental, through its technical assistance, in transforming what was perceived as a complicated process into one with a clear and measurable benefit to our State Parks.”***

*-Patrick Kozakiewicz*