

CASE STUDY

## CLARKSTOWN CENTRAL SCHOOL DISTRICT, NY

**TECHNOLOGY TYPE** 

ENERGY SAVINGS PERFORMANCE CONTRACT GUARANTEED ENERGY SAVINGS RENEWABLE ENERGY

**FACILITY SIZE** 

1.5 MILLION SQ FT (17 BUILDINGS)

**ESPC ENERGY PROJECT SIZE** 

\$7.2

ENERGY CONSERVATION MEASURES IMPLEMENTED DISTRICT WIDE

14

**ESPC ANNUAL ENERGY SAVINGS:** 

\$463,000

AMERESCO 🏈

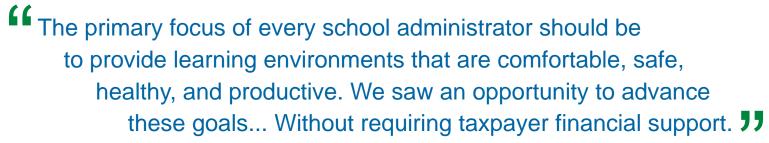
## **SUMMARY**

In 2003 Ameresco began a comprehensive energy savings and building improvement program (ESPC) by the Clarkstown Central School District (CCSD) representing over \$7 million of building improvements.

## SERVICES PROVIDED

Following a detailed analysis of the district's energy use and facilities, Ameresco designed and implemented 14 energy conservation measures for CCSD. These measures included lighting improvements, boiler replacements, HVAC upgrades, and the installment of solar panels.

- · Energy management system installed to monitor and control usage
- · Roof replacements with insulating layer
- · Replaced motors on mechanical equipment
- Installed vending machine controls to power-down the machines when not in use
- Cogeneration system



Frank Stefanelli
Director of Facilities, Clarkstown Central School District

## **CUSTOMER BENEFITS**

Through the energy infrastructure agreements made by Ameresco, CCSD was able to enhance the learning environment for students and staff. The use of an Energy Savings Performance Contract provided guaranteed funding from energy savings, instead of increasing school taxes.

- · New energy efficient building equipment
- Upgrades to 17 district buildings
- Funding provided by guaranteed energy savings, not increased taxes
- Assistance in obtaining Energy Star Certification
- Installed WeatherBug weather station with supplemental curriculum software
- Two \$5,000 scholarships awarded by the Ameresco Better Schools Partnership

For the full story, visit: ameresco.com

