

AGENCY



FACILITY

New Police Academy

MEASURES IMPLEMENTED

Fan Scheduling

SYSTEMS USED

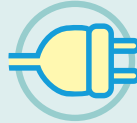


Air System



Terminal Units

FUEL SOURCE

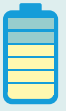


Electricity

5%

Electricity

in energy reduction



\$50,000

in annual energy cost savings



240 Metric Tons

in annual avoided GHG emissions



Project Description

Facility Description

The Police Academy is a 730,000 ft² facility run by the New York City Police Department (NYPD), built in 2014. This state-of-the-art training facility is partially serviced by roughly 40 air-handling units (AHUs), all with VFDs. The building successfully operates with a centralized BAS that communicates properly with the AHUs and the boilers.

Project Background

Although the Academy had brand new controls and HVAC equipment, most of the major AHUs ran 24/7. The Load Management team worked closely with NYPD to identify these conditions and collaborated to develop a plan to improve operation while reducing energy waste. The result was an **agreed upon schedule for a portion of the AHUs** that had routine occupancy schedules.

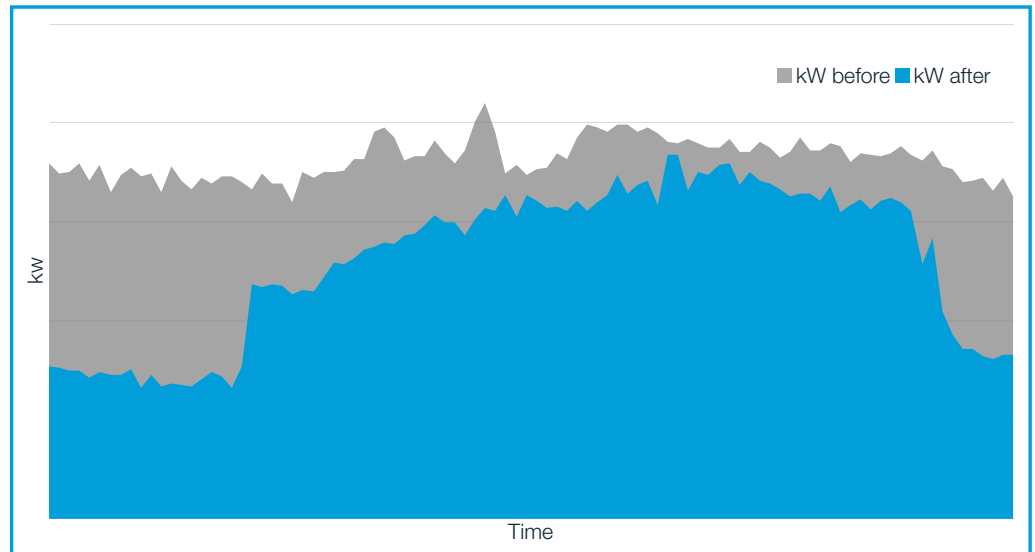
Project Results

The Load Management team and NYPD used the existing BAS contract to implement the recommendations. Because of contract limitations, DEM provided some additional funding to enable execution. In addition, the Load Management team provided guidance to NYPD to ensure that the vendor could complete the proposed work.

To Implement This at Your Facility, have...

- A consistent occupancy schedule that does not vary week to week.
- An operable centralized BAS that communicates properly with the equipment of interest.
- The ability to schedule equipment on the BAS.
- The system of interest in a state of good operation.
- A facilities team enthusiastic about optimizing their building's energy consumption!

Daily Load Profile Change



Contact Us!

If interested in implementing a similar project, please contact Elizabeth Taveras (Etaveras@dcas.nyc.gov).

For more information about this project please contact Sean McAuley (SEAN.MCAULEY@nypd.org).