

NEW YORK POLICE DEPARTMENT - DETECTIVE BUREAU FORENSIC INVESTIGATION LABORATORY



PROJECT NAME: New York Police Department -
Detective Bureau
Forensic Investigation Laboratory
Building-Wide Utilities Upgrade

PROJECT OWNER: New York Police Department

OWNER REPRESENTATIVE: New York Power Authority (NYPA)

PROJECT DESCRIPTION:

The New York Police Department Detective Bureau Forensic Investigation Laboratory is housed in a building on Jamaica Avenue, in the Jamaica section of Queens, New York. The Police Department has had its crime lab in the building since 1997.

Specific project challenges include upgrading the existing electrical service and the HVAC systems to not interfere with the operation of the NYPD's Major Crime Lab. The Lab operates seven days a week, twenty four hours a day.

RCM, Technologies, Inc. is the Design Engineer and Construction Manager for the implementation of the Building Wide Utilities Upgrade and Energy Improvements Project. The project consists of the following:

- New Energy Efficient (4) 200 Ton Chillers
- Upgrade of Incoming Con Ed Service
- Energy Efficient Motors and Variable Frequency Drives (VFD)
- New High Efficiency Air Filters
- New Domestic Hot Water Heater
- New Building Management System
- New Air Handling Units
- New Make Up Air Unit
- New Burners and Boiler Controls
- Clean Ventilation ductwork throughout the building

PROJECT START DATE: January 2011

PROJECT DURATION: 27 Months

CONSTRUCTION COSTS: \$5,600,000

ANNUAL ENERGY SAVINGS: \$300,000

