

Energy-efficient bill of health for New York- Presbyterian Hospital

Case Study

Sector:
Healthcare

Customer:
New York-Presbyterian
Hospital

Location:
New York, NY

Measures Implemented:

- Lighting
- Heating and cooling
- Motors
- Transformers
- Demand response

Energy Savings:
50 million kWh and
\$4 million annually

Background

With the merger of New York Hospital and Presbyterian Hospital in 1998, the New York-Presbyterian Hospital was formed and became the core of an extensive healthcare network that includes 32 hospitals, six long-term facilities, 12 home healthcare agencies, three specialty institutes, 97 ambulatory care centers, and other support buildings. The merger had several goals including improved healthcare, enhanced clinical services, and lower costs for services through improved efficiencies—all of which benefit the greater New York metropolitan area as well as areas of Connecticut and New Jersey.

Realizing the benefits of improved efficiency, hospital officials contacted the New York State Energy Research and Development Authority (NYSERDA) to improve energy efficiency at several of its facilities. As a result, New York-Presbyterian Hospital has taken part in several NYSERDA energy efficiency programs.

Recommendations

New York-Presbyterian Hospital contracted with 10 energy service providers. The companies provided energy feasibility studies, rate analysis, retro-commissioning, compressed air survey, steam and condensate analysis, cogeneration demonstration and aggregation studies, and assisted the hospital in implementing recommendations from these studies.

Recommendations adopted at various hospital facilities include: energy-efficient, variable-speed motor, transformer, pump, and lighting systems; variable-volume air conditioning and new HVAC systems; and participation in Demand Response programs. NYSERDA participated with the hospital on 24 projects.

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