

Siemens helps Bridgeport Hospital improve conservation efforts, energy efficiency

Background

In Bridgeport, Connecticut, Bridgeport Hospital is a private, not-for-profit acute care hospital within the Yale New Haven Health System. Every year, Bridgeport Hospital provides nearly 260,000 patient care visits from its nearly 700,000 square foot facility. Recently, Bridgeport Hospital and Siemens Industry, Inc., partnered to make energy efficiency and conservation improvements throughout the hospital.

Objectives

Bridgeport Hospital established the following objectives for this project:

- Replace outdated equipment
- Improve overall energy efficiency of the facility
- Reduce costs associated with utilities and energy
- Take advantage of flexible financial options

Solutions

Siemens is helping the hospital achieve its objectives with these facility improvements and a tax-exempt capital lease (CHEFA):

- Lighting retrofits and occupancy sensors
- Water conservation, including low flow plumbing fixtures and the elimination of once through cooled systems
- Improvements to the steam system, including replacements for the steam boiler and steam trap, repair of steam leaks and condensate pumps, insulation of the distribution system, and installation of radiator control valves
- Plug load controls
- Variable frequency drives
- Heat recovery system
- Energy management system upgrade

In addition, Siemens is making a variety of improvements to the building envelope to help improve the overall efficiency of Bridgeport Hospital.

Results

Siemens has estimated that Bridgeport Hospital will save approximately \$1,008,000 annually as a result of the conservation and energy efficiency improvements. These savings are guaranteed to the hospital through a performance contract with Siemens.

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