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press release

Regeis Health Care in the Bronx sees healthy savings from cogeneration

Metro New York's Regeis Health Care, a 150-bed facility in the Bronx, has completed a \$2.1 million multi-faceted energy conservation project highlighting cogeneration. Regeis projects it will slash its net energy costs by \$210,000 a year.

RHC in the Bronx is primarily a long-term care facility, with 75 percent of its beds dedicated to long-term care and the other 25 percent designated for short-term rehabilitation and sub-acute care. Operating round-the-clock, RHC's energy needs are tremendous. Regeis installed a 75-Kw cogeneration unit to generate electricity, which provided a significant portion of the building's thermal needs. Before installing the cogeneration system, the Bronx facility was using electricity to meet its sizeable domestic hot water needs, space heating, as well as for rooftop heating and cooling, and some kitchen equipment. With its consistent year round thermal load, RHC was a textbook candidate for cogeneration.

To further reduce its high-energy costs, the Bronx facility recently converted 100% of the entire six-story 150-bed building from electric space heating to a two-pipe gas-fired hydronic system. In addition to the cogeneration system, Regeis installed two Techochill® gas-fired chillers to handle Regeis' summer air conditioning needs.

Cogeneration is the process of using a single fuel, in this case natural gas, to generate two forms of energy, usually electricity and thermal energy. Natural gas is used to fire the engine in the cogenerator, which produces electricity as well as thermal energy that is employed to heat domestic hot water, space heating, and for other uses.

Regeis Health Care came on line in January 2003.

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