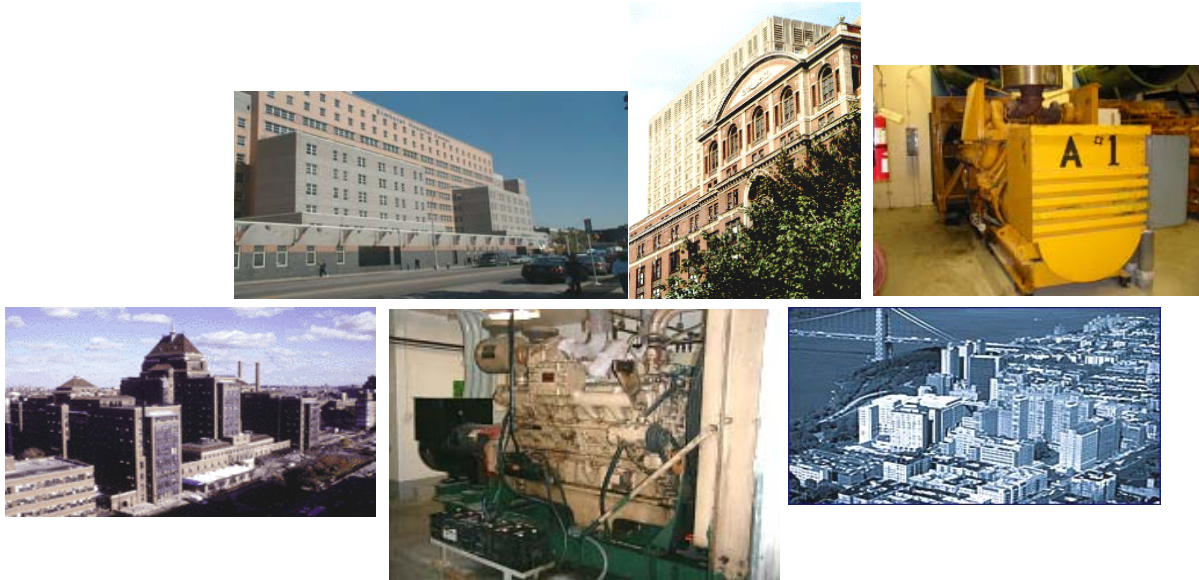


Emergency Power Upgrades Multiple Facilities NYC Health & Hospitals Corporation



Client/Owner: Dormitory Authority of State of New York & NYC HHC
Project Location: Locations in Brooklyn, Bronx, Staten Island

Greenman-Pedersen, Inc. (GPI) conducted comprehensive condition assessments of the emergency power systems at seven (7) of NYC Health & Hospitals Corporation's acute care, diagnostic and treatment and long-term care facilities. Reports were issued that summarized the findings and provided recommendations to enhance system reliability, rectify code deficiencies and allow additional areas and loads within each facility to be supported by the emergency power systems. The facilities included Kings County Hospital, Jacobi Medical Center, North Central Bronx Hospital, East New York Diagnostic and Treatment Center, McKinney Nursing and Rehabilitation Center, Seaview Hospital and Coney Island Hospital.

GPI subsequently provided detailed engineering and design services for the emergency power system modifications and upgrades at these facilities that included replacing emergency diesel generators, transfer switches, fuel systems and electrical distribution infrastructure, providing detailed phasing requirements, as well as integrating redundant design features at select facilities that would allow partial or substantial operation of the emergency power system coincident with select equipment failure, such as a diesel generator that did not start or assume load.

The designs for these facilities were completed within the framework of a \$30 million construction budget, and the modifications and upgrades involved electrical, mechanical, and structural engineering and design as well as architectural, environmental and cost estimating services. Bid and construction administration services were provided through the commissioning of the modified and upgraded systems.