



SBH Health System St. Barnabas Hospital Combined Heat & Power Plant Study



ABOUT THE CLIENT

SBH Health System (St. Barnabas Hospital) is ranked as the #1 hospital for quality in primary care. This is according to the latest ranking amount the 41 institutions participating in the HealthFirst Quality Incentive Program. Receiving a 4-star ranking, SBH was ranked as the #1 hospital for HealthFirst Medicare when compared with all participating hospitals.

INVESTMENT GRADE COMBINED HEAT & POWER STUDY

Concord developed an Investment Grade Combined Heat and Power & Central Plant Study. The evaluation included comprehensive utility data analysis and plant arrangement and piping & instrument diagrams suitable for contractor pricing. The new plant included both a dual fuel capable industrial combustion turbine generator by Solar Turbines, duct fired Heat Recovery Steam Generator, gas compressor, and associated electrical and natural gas interfaces with the utilities.

In addition, a new dual-fuel steam plant comprised of three 30,000 pph boilers was designed to provide 100% of the campus steam to replace the existing aging infrastructure. Sound attenuation, compliance with the New York City Building Code and a constrained footprint within a dense urban environment were significant considerations for the new plant design.