



**St. Barnabas Hospital**  
*New York, NY*  
**Investment Grade 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 among 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. This includes such large academic medical centers such as New York – Presbyterian, Montefiore, and Mount Sinai Health System.

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 CONCORD-ENGINEERING.COM



**CONSTRUCTION COST:**

\$18 Million

**YEAR COMPLETED:**

2013

**INVESTMENT GRADE COMBINED HEAT & POWER PLANT 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.

