



Marina Thermal Facility CCHP Plant Expansion

PROJECT INFORMATION

CONCORD DIVISION

Power & Infrastructure

PROJECT LOCATION

Atlantic City, NJ

MARKET

Utility

SERVICES

ME and I&C Engineering

CONSTRUCTION COST

\$40 Million

REFERENCE

Frank DiCola
President
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PROJECT SUMMARY

Concord was the Engineer of Record for the construction of the original Marina Thermal Facility which has been successfully operating since 2003. Cooling capacity 8,000 tons and 100MMbtu high temperature hot water and 8MW emergency diesel generators.

As part of the first expansion project, 5,200 tons of chilled water cooling capacity including additional chillers, pumping capacity, cooling towers and system controls was added. The distribution network was extended to serve the new construction at the Borgata site; this included over 8,400 linear feet of chilled water and hot water supply and return piping as well as electrical duct bank extension to serve the new areas.

This second expansion project consisted of one 7.5MW natural gas-fired Solar Taurus™ 70 gas turbine generator set manufactured by Solar Turbines, a waste heat recovery unit with an ammonia based selective catalytic reduction system and two 900-ton hot water absorption chillers.