

Athens Generating Plant



First major power plant built in New York since the early 1990s.

Bechtel provided lump-sum turnkey engineering, procurement, and construction services for the Athens Generating Project. This 1,080 MW combined cycle power plant is located in Athens, New York. The project began construction in 2001 and was completed in July 2003.

PLANT CONFIGURATION

The plant consists of three Siemens-Westinghouse 501 G combustion turbine generators (CTGs), three Nooter Erickson supplementary-fired heat recovery steam generators (HRSGs), and three Siemens axial exhaust steam turbine generators (STGs) in a 1 x 1 x 1 configuration.

EMISSIONS CONTROL

A CTG inlet evaporative cooling system and supplemental firing are included. NO_x emissions are controlled by dry low-NO_x (DLN) combustors, and selective catalytic reductions (SCR) systems are included for each HRSG to reduce NO_x level to 2 ppmvd at 15 percent O₂.



Location:

New York, USA

Customer:

Athens Generating Company, LP
(PG&E NEG)

Scope of Services:

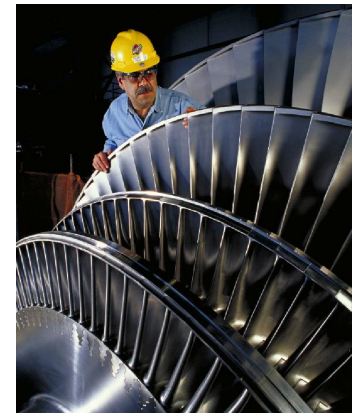
Project Management
Engineering
Procurement
Construction
Startup

Project Completion:

2003

Units and Megawatts:

- 3 x (1 x 1 x 1)
- 1080 MW



Significant Features/ Accomplishments:

- The site is surrounded by wetlands and permits were governed by preservation and disturbance limitations.