



KLEEN ENERGY POWER PROJECT GENERATOR DELIVERY

CLIENT: KLEEN ENERGY LLC
LOCATION: MIDDLETOWN, CT
SERVICE DATE: JUNE 1, 2010

Frank Lill and Son was selected to perform all of the critical mechanical construction, which consists of two (2) Siemens STG6 – 5000 – F4 that exhaust into two (2) Voght Heat Recovery Steam Generators that produce steam to drive a 230 MW Siemens Condensing Steam Turbine. Steam from the turbine will exhaust into a field erected steam condenser that will be cooled with water from a wet cooling tower. Several extraction ports are provided on the steam turbine to provide for feedwater heating and deaeration. The scope of work also includes the supply and erection of all high pressure and high energy piping.

Erection of all Balance of Plant Equipment including Feedwater Heaters, Boiler Feedwater Pumps, Circulating Water Pumps, Condensate Pumps, Steam Sampling Equipment and Lube Oil Systems is also part of the scope of work.

Site work activities began in the spring of 2007 and involved the removal of over 1 million cubic yards of rock and soil from the site. Mobilization for the erection of the major mechanical components and high energy piping on this fast track project occurred in December of 2008. The

Gas Turbines and Generators were received in February of 2009 and the facility is scheduled for completion in the Spring of 2010.



TWO SIEMENS GAS TURBINES INSIDE OF BUILDING



SIEMENS GENERATOR ON FOUNDATION