

Overview of the plan for upgrading gas turbine facilities to combined cycle system

(1) Generation facilities

Location : Soga Town, Chuo Ward, Chiba City, Chiba Prefecture

Output : 500MW × 3 Unit

Generation type : 1,500 class combined cycle

Fuel : Natural gas (LNG)

Commence date of generation : Scheduled to be operated subsequently by March 2014

Commence date of operation : Scheduled to be operated subsequently by July 2014

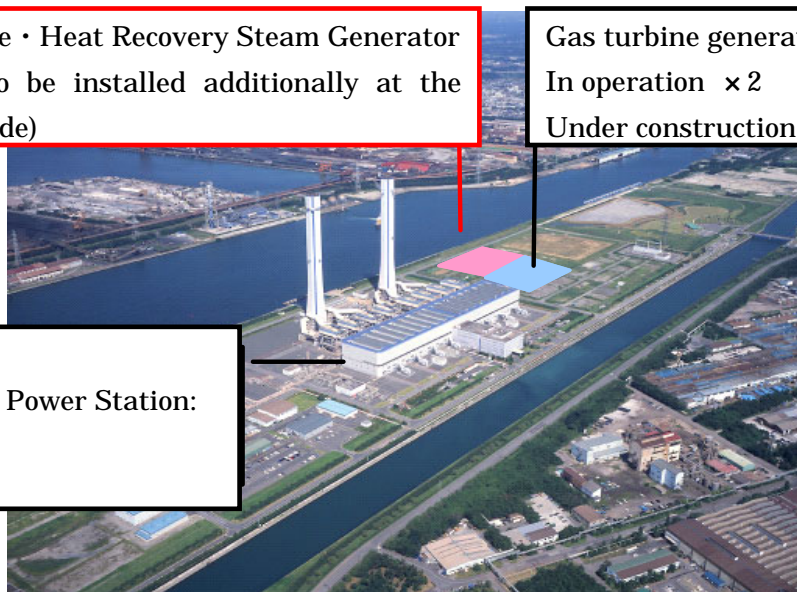
<Reference> Overview of the upgrading facilities

Item	Present	After the upgrade
Generation type	1,500 class Gas turbine	1,500 class Combined cycle
Output	1,002MW (334MW × 3 unit)	1,500MW (500 MW × 3 unit)
Thermal efficiency	39.0%	Approx. 58%
Commencement date of operation	First unit : August 2011 Second unit : September 2011 Third unit : July 2012 (Scheduled)	Scheduled to be operated subsequently by July 2014

Steam turbine · Heat Recovery Steam Generator
(Scheduled to be installed additionally at the time of upgrade)

Gas turbine generation facilities:
In operation × 2
Under construction × 1

Existing Units,
Chiba Thermal Power Station:
Left: Group 1
Right: Group 2



End