

< Attachment >

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

(1) Generation facilities

Location : 9 Higashi Wada, Kamisu-city, Ibaraki Prefecture

Output : 416MW × 3 Unit

Generation type : 1,300 class combined cycle

Fuel : City gas

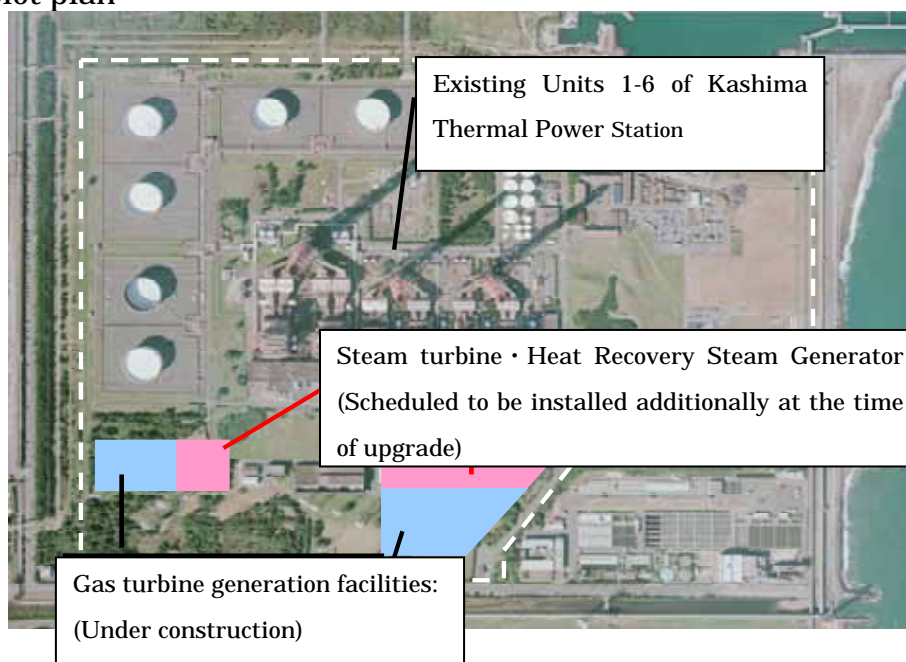
Commence date of generation : Scheduled to be operated subsequently by
March 2014

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	1,300 class Gas turbine	1,300 class Combined cycle
Output	804MW (268MW × 3 unit)	1,248MW (416 MW × 3 unit)
Thermal efficiency	37.1%	Approx.57%
Commence date of operation	July 2012 (Scheduled)	Scheduled to be operated subsequently by July 2014

(2) plot plan



END