

August 26, 2011

Higashi-Niigata Thermal Power Station Minato Unit 3 Series Commence Full Operation

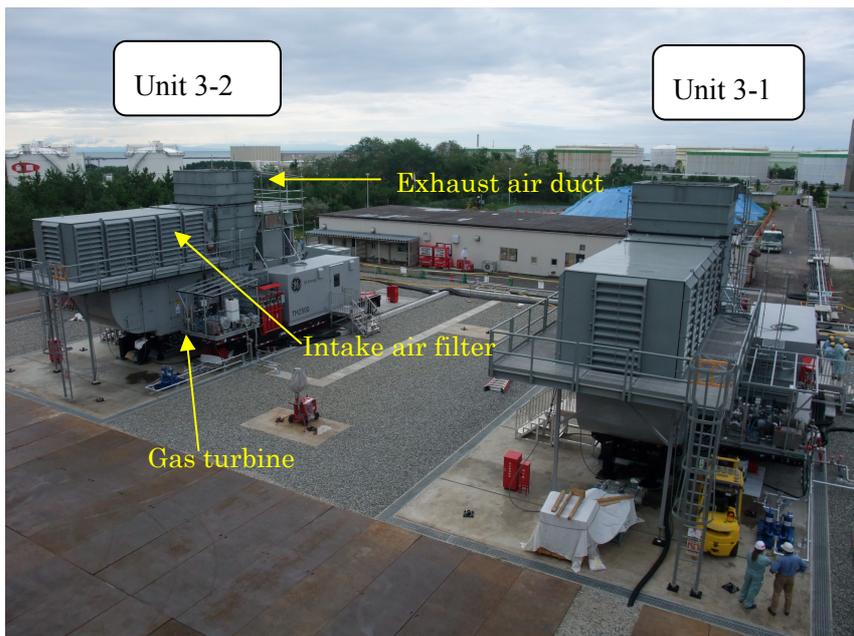
Tohoku Electric Power (hereinafter, Tohoku EPCO), today began full operation of Higashi-Niigata Thermal Power Station Minato Unit 3 series (located in Seiro-machi, Niigata-ken with an output of 26.9MW×2).

Tohoku EPCO is making efforts to assure power supply because our thermal power stations located in the Pacific coastal region have been shut down due to extensive damage by The Great East Japan Earthquake which occurred on March 11.

Construction of Minato Unit 3 series in Higashi-Niigata Thermal Power Station was one of actions being taken to secure early power supply. Tohoku EPCO introduced two movable gas turbine generators which can be installed in the Unit 3 series in a short time.

Tohoku EPCO is going to make every effort to stabilize units in operation and secure power supply.

〈Picture of the Minato Unit 3 series〉



Summary of Higashi-Niigata Thermal Power Station Minato Unit 3 Series

1. Summary of Higashi-Niigata Thermal Power Station Minato Unit 3 series

- (1) Location: 1-155, Higashiko, Seiro-machi, Kitakanbara-gun, Niigata-ken
- (2) Fuel used: Light oil
- (3) Generation system: Simple-cycle gas turbine
- (4) Output: 26.9MW ×2

〈Reference: Units in use in Higashi-Niigata Power Station〉

	Fuel	Output	Start of operation
Unit 1	Heavy oil, Crude oil, Natural gas, LNG	600MW	Apr. 1977
Unit 2	Heavy oil, Crude oil, Natural gas, LNG	600MW	Jun. 1983
Unit 3 Series	LNG	1,210MW	Dec. 1984(Half) Oct. 1985(Half)
Unit 4 series	LNG	1,700MW	Jul. 1999(Half) Dec. 2006(Half)
Minato Unit 1	Heavy oil, LNG	350MW	Nov. 1972
Minato Unit 2	Heavy oil, LNG	350MW	Nov. 1975

2. History of the Unit 3 series

- Start of construction: June 1, 2011
- Start of test operation: August 22, 2011
- Start of full operation: August 26, 2011

3. Advantages of movable gas turbine generators

- (1) Possible to set up them in a short time
- (2) Easy to compose generation system
- (3) Unnecessary for a new building to house them

