

Preparations for Environmental Impact Assessment of Replacement Plan
for Takehara Thermal Power Station New Unit 1

Electric Power Development Co., Ltd. (J-POWER, president: Masayoshi Kitamura) plans to replace the No. 1 and No. 2 units (with output of 250,000 kW and 350,000 kW respectively) of Takehara Thermal Power Station (Takehara City, Hiroshima Prefecture) with a new No. 1 plant (output 600,000 kW). And the Company is beginning preparations for an environmental impact assessment.

(1) Current status of Takehara Thermal Power Station, and background of future plans

Three power units currently operate at the Takehara Thermal Power Station, with combined output of 1,300,000 kW. The current No. 1 unit went into operation in July 1967, and has now operated for over 43 years. The No. 2 unit went into operation in June 1974, and has been in operation for over 36 years. The Company is now required to take appropriate measures on the advanced age of these plants. In addition, we plan to update these facilities to take a more proactive approach to dealing with the problem of global warming.

(2) Plans for New Takehara Thermal Power Station New Unit No. 1 (replacement)

Our plan is to build a single new coal-fired thermal power unit with the same power output capacity as the existing No. 1 and No. 2 units (a combined 600,000 kW) by 2020, while keeping the existing No. 1 and No. 2 units in operation. The new, state-of-the-art plant will increase energy efficiency and reduce carbon dioxide (CO₂) output, helping lower the environmental burden by reducing output of sulfur oxides (SOx) and nitrogen oxide (NOx).

(3) Future developments

Going forward, we plan to submit by year-end an environmental impact assessment methods report, outlining the survey, measurement, and assessment methods to be used in assessing the environmental impact of this plan.

Summary of plans for the Takehara Thermal Power Station New Unit No. 1 (replacement)

Location:	Tadanoumi-Nagahama, Takehara City, Hiroshima Prefecture
Power output:	600,000 kW
Power generation type:	Steam power
Fuel:	Coal (from overseas)
Start of construction:	2014 (scheduled)
Start of operations:	2020 (scheduled)