

BUSINESS HIGHLIGHTS

(Period: April 2008 to June 2010)

Five Key Approaches

J-POWER is carrying out the following “Five Key Approaches” under a management plan covering the five-year period from fiscal 2008 to fiscal 2012.

1. Steady Growth in Power Generation Facilities

May	2008	Began construction on the Ohma Nuclear Power Plant (1,383 MW) in Aomori Prefecture, J-POWER's first nuclear power plant
July	2009	Commenced operations at Isogo New No. 2 Thermal Power Plant (600 MW) in Kanagawa Prefecture



External view of the Ohma Nuclear Power Plant (rendering)



Callide A Power Station

2. Technological Innovation and New Project Development

November	2008	The Japan-Australia joint demonstration project for coal-fired CCS technology using the OxyFuel method entered full-scale operation at the Callide Power Station in Australia.
July	2009	Established a new company, Osaki CoolGen Corporation, jointly with The Chugoku Electric Power Co., Inc. in order to undertake a large-scale demonstration test of oxygen-blown coal gasification combined cycle (IGCC) technology and CO ₂ separation and capture technology

3. Enhancing the Value of Business Assets

February	2010	Increased output at Onikobe Geothermal Power Plant in Miyagi Prefecture from 12.5 MW to 15.0 MW and resumed operations
May	2010	Completed comprehensive upgrade work at Tagokura Power Plant No. 3 in Fukushima Prefecture to raise output from 390 MW to 395 MW, and resumed operations



Upgrade of Tagokura Power Plant No. 3



Birchwood Coal-Fired Thermal Power Plant

4. Global Business Expansion

May	2008	Acquired equity interest in Birchwood Power Station in the U.S. (coal-fired, 242 MW)
June	2009	Acquired equity interest in two gas-fired power plants (160 MW) in Long Island, NY, USA
August	2009	Acquired equity interest in Gemeng International Energy Co., Ltd. in China, where coal-fired thermal power is the main power source
November	2009	Concluded power purchase agreement for seven SPP projects* in Thailand (gas-fired, total 780 MW)
June	2010	Commenced operations at Orange Grove Power Plant (gas-fired, 96 MW) in the U.S., J-POWER's first new greenfield development project in North America

5. Power Generation as the Core of a Diversified Business

August	2008	Agreed to acquire equity interest in the Narrabri Coal Project in Australia
March	2009	Started wastewater sludge fuel conversion business** at the Hiroshima City Seibu Water Resources Reclamation Center
April	2010	Commenced operations at Irouzaki Wind Farm (34 MW) in Shizuoka Prefecture



Irouzaki Wind Farm

* The Small Power Producer Program was initiated by the government of Thailand in 1992 to promote (1) greater use of renewable and by-product energy, and (2) efforts to reduce oil imports and oil consumption.

** The integrated sewage sludge-based biofuels recycling project includes the construction of biofuel processing facilities and the processing of mixed combustion in our coal-fired power plants.