

November 7, 2019

Electric Power Development Co., Ltd.

**Japan – Australia Hydrogen Energy Supply Chain Pilot Project starts construction of  
Brown Coal Gasification and Gas-Refining Facility**

Electric Power Development Co., Ltd. (headquartered in Chuo-ku, Tokyo; Toshifumi Watanabe, President, hereafter “J-Power”) is undertaking the pilot project to develop an international hydrogen supply chain from liquefaction of hydrogen produced with brown coal in the Latrobe Valley of Victoria, Australia, to transportation of the same to Japan. J-Power today held the Cornerstone Laying Ceremony at the construction site of the Brown Coal Gasification and Gas Refining Facility at Loy Yang to be managed by J-Power.

At the ceremony, attendees included Toshiyuki Shirai, Director for Agency for Natural Resources and Energy from the Japanese Government, Tim Pallas, Minister for Economic Development, representing the Victorian Government and other project partners, as well as other significant local and state stakeholders.

This pilot project will include the demonstration of brown coal gasification and gas-refining, hydrogen liquefaction, shipbuilding and operation of a specialised liquefied hydrogen carrier, and identification of a future commercialisation pathway for the commercial phase of a hydrogen supply chain. J-Power will be responsible for the Brown Coal Gasification and Gas-Refining Facility using the coal gasification expertise they have accumulated over 20 years.

This pilot project is being delivered with the full support of Agency for Natural Resources and Energy, New Energy and Industrial Technology Development Organisation (NEDO) and the Victorian and Australian Governments, by a consortium in Japan (CO<sub>2</sub>-free Hydrogen Energy Supply Chain Technology Association; consisting of Kawasaki Heavy Industries, Ltd. (KHI), J-Power, Iwatani Corporation (Iwatani), Shell Japan Limited, Marubeni Corporation (Marubeni) and JXTG Nippon Oil & Energy Corporation)) and in Australia (consisting of KHI, Hydrogen Engineering Australia Pty Ltd (HEA), J-Power, J-Power Latrobe Valley Pty Ltd (JPLV), Iwatani, Marubeni, Sumitomo Corporation and AGL).

J-Power will contribute to the sustainable utilisation of brown coal in Australia and the establishment of a hydrogen society through this pilot project.