

MEDIA RELEASE

3 January 2025

EMA Awards New Generation Capacity to PacificLight Power for 2029

The Energy Market Authority (EMA) has awarded PacificLight Power Pte Ltd (PLP) the right to build, own, and operate a new hydrogen-ready Combined Cycle Gas Turbine (CCGT) generating unit. The generating unit is expected to be at least 600-megawatts (MW) in generation capacity, and ready to commence operations in 2029. This follows a Request for Proposal (RFP) launched under EMA's Centralised Process for new generation capacity in June 2024 to ensure sufficient power generation capacity to meet Singapore's future electricity demand.

New generation capacity required to meet electricity demand growth

2 Singapore's electricity demand has been steadily rising over the years, fueled by electricity-intensive industries such as advanced manufacturing, the digital economy, and electrification of the transport sector. EMA's projections indicate Singapore's power system peak demand growing at a Compound Annual Growth Rate (CAGR) of 3.7% to 5.7% over the next six years, reaching between 10.1 gigawatts (GW) and 11.8 GW by 2030.

3 Additional power generation capacity will be required in 2029 to meet the projected growth in electricity demand and ensure the power system's reliability. PLP was selected from a total of six proposals submitted to develop the hydrogen-ready CCGT generating unit.

4 "With rising energy demand, it is imperative to ensure adequate generation to power our daily lives. We look forward to the new hydrogen-ready generation capacity from PacificLight Power. EMA will continue to work with the industry to ensure the reliability and security of the power system, as we transition towards a low-carbon energy future", said Mr Puah Kok Keong, Chief Executive of EMA.

Centralised Process for New Generation Capacity

5 In July 2023, EMA established the Centralised Process for facilitating and guiding private investments in new generation capacity. This is to ensure that Singapore has adequate generation capacity to meet future electricity demand and to ensure energy reliability during the energy transition. Under this process, EMA will forecast electricity demand and available generation capacity on a rolling 10-year basis and, if projections indicate insufficient generation capacity, EMA will launch RFPs to invite the private sector to build, own and operate the new generation capacity required.

6 More information on the Centralised Process is available at <https://go.gov.sg/ema-consultation-centralised-process>.

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About the Energy Market Authority

The Energy Market Authority (EMA) is a statutory board under the Singapore Ministry of Trade and Industry. Through our work, we seek to build a clean energy future that is resilient, sustainable, and competitive. We aim to ensure a reliable and secure energy supply, promote effective competition in the energy market and develop a dynamic energy sector in Singapore. Visit www.ema.gov.sg for more information.