

MEDIA RELEASE

20 August 2026

EMA Awards RFP for New Generation Capacity to Tuas Power

The Energy Market Authority (EMA) has awarded Tuas Power Generation Pte Ltd (Tuas Power) the right to build, own and operate a new Combined Cycle Gas Turbine (CCGT) generating unit. Tuas Power's CCGT is expected to provide 670 megawatts (MW) in power generation capacity and be ready for commercial operations by December 2031. This follows a Request for Proposal (RFP) launched in April 2026 under EMA's Centralised Process for new generation capacity to ensure sufficient power generation capacity to meet Singapore's future electricity needs.

New generation capacity to support electricity demand growth

2 Singapore's electricity demand is expected to grow rapidly over the next several years, driven by strong economic growth, transport electrification, and the expansion of energy-intensive sectors such as semiconductor manufacturing and data centres. EMA's projections indicate that peak electricity demand is expected to grow by between 2.4% and 4.8% annually over the next ten years. By 2031, peak demand is projected to reach between 9.6 gigawatt (GW) and 11.4 GW.

3 Singapore requires new power generation capacity to meet the demand growth. With an installed capacity of 670 MW, Tuas Power's new hydrogen-ready CCGT will be able to meet the electricity demand of up to about 1.2 million 4-room HDB households annually.

4 Mr Puah Kok Keong, Chief Executive of EMA, said, "As Singapore's electricity demand grows, planning ahead is critical. Tuas Power's new CCGT will provide the capacity we need for the growth of energy-intensive sectors. The continued industry support for the RFPs launched under the Centralised Process reflects our shared commitment to safeguard Singapore's energy security. These CCGTs powered by natural gas will provide reliable baseload power while we pursue diverse pathways to a cleaner energy future."

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

Annex: Combined Cycle Gas Turbines (CCGTs) in Singapore

-- End --

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.

Annex: Combined Cycle Gas Turbines (CCGTs) in Singapore

There are more than 20 Combined Cycle Gas Turbines (CCGTs) in the power system today. They are currently powered by natural gas.

2 By 2031, there will be five hydrogen-compatible CCGTs in the power system or under development, shown in the table below. The Keppel Sakra Cogen plant is currently operational.

Hydrogen-Ready CCGTs	Built in/To be built by
600MW CCGT Keppel Sakra Cogen Plant	2026
600MW CCGT plant by Sembcorp Industries	2026
600MW CCGT plant by YTL PowerSeraya	2027
670MW CCGT plant by PacificLight Power	2029
At least 600 MW CCGT plant by Tuas Power	2031