

## MEDIA RELEASE

8 SEPTEMBER 2023

**EMA Grants Conditional Approvals  
for 2 Gigawatt (GW) of Electricity Imports from Indonesia**  
*Singapore now 1GW away from meeting target of importing 4GW of low-carbon  
electricity by 2035.*

The Energy Market Authority (EMA) is granting Conditional Approvals to five projects to import a total of 2 gigawatt (GW) of low-carbon electricity from Indonesia into Singapore. The projects are managed by:

<b>Company</b>	<b>Import Capacity</b>
Pacific Medco Solar Pte Ltd, formed by PacificLight Renewables Pte Ltd, Medco Power Global Pte Ltd and Gallant Venture Ltd	0.6GW
Adaro Solar International Pte Ltd., formed by PT Adaro Clean Energy Indonesia	0.4GW
EDP Renewables APAC	0.4GW
Vanda RE Pte Ltd, formed by Gurin Energy Pte Ltd and Gentari International Renewables Pte Ltd	0.3GW
Keppel Energy Pte Ltd	0.3GW

2. The Conditional Approvals build on multiple Memoranda of Understanding (MOU) between Indonesia and Singapore in the area of energy cooperation, namely:

- i. A new MOU on Low-Carbon Energy and Cross Border Electricity Interconnection, signed between Indonesia's Minister of Energy and Mineral Resources Arifin Tasrif and Singapore's Second Minister for Trade and Industry Dr Tan See Leng in Jakarta on 8 September 2023;

- ii. The MOU on Renewable Energy Cooperation signed on 16 March 2023; and
- iii. The MOU on Energy Cooperation signed on 25 January 2022.

3. These MOUs affirm both countries' commitment to facilitate cross-border electricity trading projects and interconnections between Indonesia and Singapore, and investments in the development of renewable energy manufacturing industries, such as solar photovoltaics (PV) and battery energy storage systems (BESS) in Indonesia.

4. The projects will facilitate the setting up of solar PV and BESS manufacturing plants in Indonesia. These projects aim to progressively install approximately 11 GWp of PV plants and approximately 21 GWh of BESS, and aim to commence commercial operations from end 2027.

5. Conditional Approval(s) are granted when EMA preliminarily assesses that the proposed electricity imports projects are technically and commercially viable. The Conditional Approval(s) facilitate companies in obtaining the necessary regulatory approvals and licences for their projects.

6. As the next step, the companies will be conducting their marine survey on the proposed route for their subsea power cables, as approved by the Indonesian authorities. The companies will also be supporting the efforts of Original Equipment Manufacturers on their development of PV and BESS manufacturing plants in Indonesia.

7. These five Conditional Approvals follow the earlier Conditional Approval granted to Keppel Energy in March 2023 to import 1GW of low-carbon electricity from Cambodia. Together, the 3 GW of Conditional Approvals bring Singapore closer to its ambition to import up to 4 GW of low-carbon electricity by 2035.

8. Low-carbon electricity imports through regional power grids are a key enabler in Singapore's efforts to decarbonise its energy supply, while accelerating renewable energy development in the region, facilitating economic growth, and diversifying energy sources away from fossil fuels.

9. EMA will continue to review electricity import proposals that EMA has received, with a view to granting more conditional approvals.

Annex A: Information on the Singapore Energy Transition

Annex B: How Does the Request-for-Proposal Process Work?

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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](http://www.ema.gov.sg) for more information.

**ADVANCING SINGAPORE'S ENERGY TRANSITION TOWARDS A MORE SUSTAINABLE FUTURE**

Climate change is a global existential threat and Singapore is doing its part to reduce emissions for a more sustainable future. As announced by Minister for Finance Mr Lawrence Wong at Budget 2022, Singapore will raise our climate ambition to achieve net zero emissions by 2050.

2 The power sector has a key part to play as it accounts for about 40% of Singapore's carbon emissions<sup>1</sup>. We need to significantly reduce the power sector's emissions, while ensuring that the power system remains secure, reliable, and sustainable. Singapore is therefore harnessing natural gas, solar, regional power grids, and low-carbon alternatives to transform its energy supply, while promoting energy efficiency to reduce demand. Electricity imports are illustrative of how Singapore is tapping on regional power grids to meet energy demand.

**Regional Power Grids**

3 To address Singapore's land constraints, the country is looking to regional power grids for clean energy sources. Regional power grids can accelerate renewable energy development in the region and facilitate economic growth while diversifying energy sources away from fossil fuels.

4 By 2035, Singapore plans to import up to 4 GW of low-carbon electricity, comprising around 30% of its electricity supply. The imports will be obtained through a competitive RFP process, while maintaining energy security by diversifying import sources and ensuring backup supplies.

5 EMA is working with various partners on electricity import trials to refine technical and regulatory frameworks, including the Lao PDR-Thailand-Malaysia-Singapore Power Integration Project (LTMS-PIP) project importing up to 100 MW of renewable hydropower from Lao PDR to Singapore via Thailand and Malaysia.

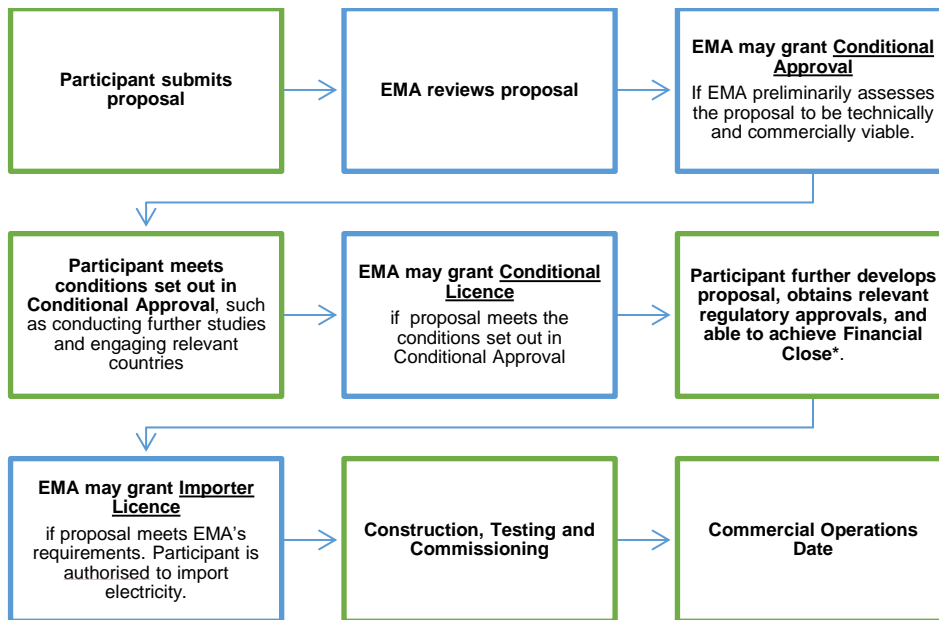
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<sup>1</sup> Source: [National Climate Change Secretariat](#)

6 In March 2023, EMA granted Conditional Approval to Keppel Energy Pte. Ltd. to import 1 gigawatt (GW) of low-carbon electricity from Cambodia to Singapore. Based on Keppel Energy's proposal, the imported electricity will harness hydropower, solar energy and potentially wind power, supported by battery energy storage systems (BESS) or pumped storage hydropower (PSH). It will be transmitted from Cambodia to Singapore via new subsea cables of more than 1,000 km. Keppel Energy will also explore ways to scale and hybridise imported electricity with renewable energy sources in Lao PDR.

**How does the Conditional Approval Process Work?**

Below diagram outlines the steps involved in the provision of Conditional Approval. More details are available at <https://go.gov.sg/imports-rfp>.



*\*Financial close refers to the stage at which all necessary financing for the project has been secured, all conditions have been met, and all parties have signed the required documentation for project developer to start drawing down the financing to fund the project.*

Legend:

**Participant's action**

**EMA's action**