

Advancing Singapore's Energy Transition

APEC 58th New and Renewable Energy Technologies (EGNRET) Meeting
4-5 April 2023
Hawaii, United States

Do Not Circulate Further Without EMA's Prior Approval



Singapore Green Plan 2030

- Climate change is an existential threat for all of us, especially for a small island state like Singapore. Singapore is committed to reducing our emissions and advancing global climate action.
- The **Singapore Green Plan 2030** (Green Plan) was launched two years ago which sets out ambitious and concrete targets for Singapore over the next 10 years, to strengthen Singapore's commitments under the UN's 2030 Sustainable Development Agenda and Paris Agreement.
- The Green Plan is a **long-term and living plan and a whole-of-nation effort** to advance Singapore's national agenda on sustainable development.

Singapore's climate action



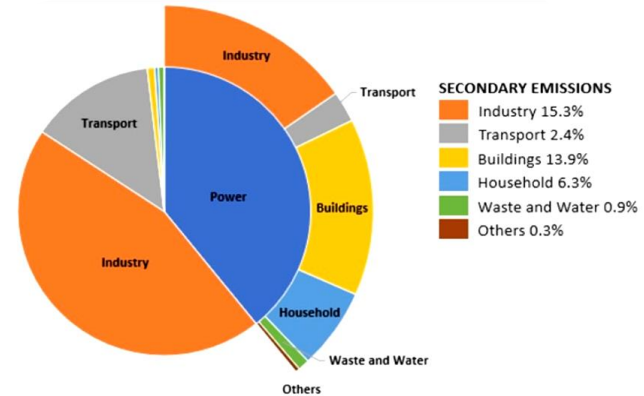
Achieve Net Zero Emissions by 2050

- Deputy Prime Minister Lawrence Wong
at the Singapore International Energy
Week 2022 -

- With the power sector contributing about 40% of Singapore's carbon emissions, it is important for the sector to **shift to low-carbon electricity to power our economy.**

EMISSIONS PROFILE (2019)

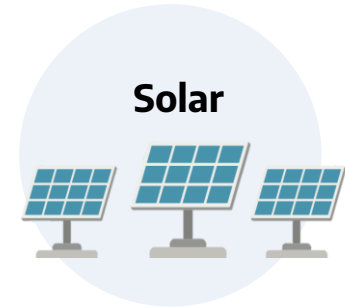
Total emissions: 51.6 MtCO₂e



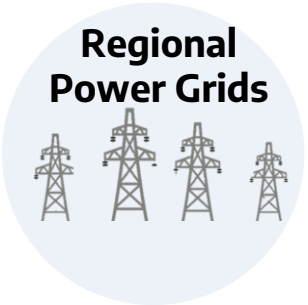
Source: NCCS's published Singapore's 2019 Emissions Profile

Maximising the Deployment of Domestic Renewable Energy Resources

- As of the first half of last year Singapore is already one of the most solar dense cities in the world and we are on track to achieve our solar panel deployment target of at least 2GW peak by 2030.
- We launched Southeast Asia's largest energy storage system (285 MWh) on Jurong Island in February 2023.



Enhancing Energy Trade



- Regional power grids can help accelerate the development of renewable energy projects, promote supply diversification, strengthen grid stability and bring greater energy security to the region.



- Hydrogen could play a major role in the future supply mix and is gaining global interest.
- On 25 Oct 2022, Singapore launched the **National Hydrogen Strategy** to develop hydrogen a major decarbonisation pathway to support Singapore's international climate commitment to achieve net zero emissions by 2050.
- Singapore actively seeks out other low-carbon options by keeping updated on the technological and commercial viability of such alternatives.

Singapore International Energy Week (SIEW)



SIEW 2022 BY THE NUMBERS



- SIEW is Singapore’s flagship energy event with **2 key objectives:** (i) to profile Singapore’s energy thought-leadership and (ii) provide opportunities for our energy community to network and engage with the global energy industry. Anchor events at SIEW 2022 included the Singapore Energy Lecture by DPM Lawrence Wong, the SIEW Opening Keynote Summit (SOK) by Min(T&I), and the Singapore Energy Summit (SES).
- The 16th SIEW 2023 will be held from 23-27 October at Marina Bay Sands Singapore

Thank you.