

MEDIA FACTSHEET

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New Playbook to Guide Singapore Businesses on Reducing Scope 2 Emissions

To guide businesses towards their decarbonisation goals, the Energy Market Authority, the Energy Research Institute @ Nanyang Technological University, Singapore (NTU Singapore) and Enterprise Singapore are developing a playbook with actionable strategies to reduce Scope 2 carbon emissions. Scope 2 refers to indirect greenhouse gas emissions associated with companies' purchase of electricity, as well as steam, heat or cooling.

2 Titled "Powering a Sustainable Future: A Playbook on Scope 2 Emissions Reduction for Singapore Businesses", it will include three sections covering:

- A. An overview of Singapore's efforts to decarbonise;
- B. The role of the private sector in reducing carbon emissions; and
- C. Actionable strategies which companies can adopt in the near-, mid-, and long-term to reduce Scope 2 emissions.

3 The playbook will provide businesses with a comprehensive resource on Singapore's existing policies towards decarbonisation and insights on the importance of managing Scope 2 emissions. These include practical solutions for developing sustainability strategies that enhance energy efficiency and lower electricity-related carbon emissions.

4 Adopting such solutions can help businesses tap into new business opportunities, reduce costs, and enhance resilience against climate risks while supporting Singapore's sustainability goals. The playbook also aims to guide small and medium enterprises in understanding the regulatory requirements for sustainability reporting, such as mandatory climate reporting for listed enterprises from Financial Year 2025.

5 For businesses whose main emissions contributions are from electricity consumption (i.e. Scope 2 emissions), understanding of where Scope 2 emissions originate and how Scope 2 emissions can be reduced is key to accelerating their decarbonisation journey. To ensure that the recommendations are practical, evidence-based, and aligned with the local business landscape, the playbook will be developed based on Singapore's policies to manage emissions, combined with an in-depth analysis of case studies, research and assessments on strategies for Scope 2 decarbonisation.

6 A version of the digital playbook will be launched in conjunction with the Singapore International Energy Week (SIEW) 2024 from 21 to 25 October 2024. This release includes the first two sections which will set the context for the full playbook, giving an overview of Singapore's Scope 2 related emissions, Singapore's current state of policies and regulations towards decarbonisation, and the business case for reducing carbon emissions. This version can also be accessed at <https://go.gov.sg/playbook-scope-2-emissions-reduction-for-sg-businesses>. The full playbook will be available in the first quarter of 2025.

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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 forge a progressive energy landscape for sustained growth. 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.

About Enterprise Singapore

Enterprise Singapore is the government agency championing enterprise development. We work with committed companies to build capabilities, innovate and internationalise. We also support the growth of Singapore as a hub for global trading and startups, and build trust in Singapore's products and services through quality and standards. Visit www.enterprisesg.gov.sg for more information.

About Nanyang Technological University, Singapore

A research-intensive public university, Nanyang Technological University, Singapore (NTU Singapore) has 35,000 undergraduate and postgraduate students in the Business, Computing & Data Science, Engineering, Humanities, Arts, & Social Sciences, Medicine, Science, and Graduate colleges.

NTU is also home to world-renowned autonomous institutes – the National Institute of Education, S Rajaratnam School of International Studies and Singapore Centre for Environmental Life Sciences Engineering – and various leading research centres such as the Earth Observatory of Singapore, Nanyang Environment & Water Research Institute and Energy Research Institute @ NTU (ERI@N).

Under the NTU Smart Campus vision, the University harnesses the power of digital technology and tech-enabled solutions to support better learning and living experiences, the discovery of new knowledge, and the sustainability of resources.

Ranked amongst the world's top universities, the University's main campus is also frequently listed among the world's most beautiful. Known for its sustainability, NTU has achieved 100% Green Mark Platinum certification for all its eligible building projects. Apart from its main campus, NTU also has a medical campus in Novena, Singapore's healthcare district.

For more information, visit www.ntu.edu.sg

About the Energy Research Institute @ NTU

Energy Research Institute @ NTU (ERI@N) focuses on cutting-edge innovations, research translation, strategic partnerships, and industry collaboration to accelerate decarbonization and sustainable energy transition. ERI@N distinguishes itself through interdisciplinary research excellence directed towards translation outcomes of industry relevance with focus on systems-level research for tropical megacities. The Institute integrates research across NTU as a whole in the context of the energy challenge, and then helps translate outcomes into industry and practice. Apart from Interdisciplinary Research Programmes, Flagship Programmes and Standards Development that cover energy value chain from energy generation to innovative end-solutions, the Institute also hosts the EcoLabs Centre of Innovation for Energy, which accelerates deep-tech energy innovation capabilities in Singapore to support the nation's future energy transition. Visit www.ntu.edu.sg/erian for more information.

For media enquiries, please contact:

Ms Leonie Tan
Senior Executive, Corporate Communications

Energy Market Authority

Tel: 9186 5878

Email: Leonie_Tan_from.TP@ema.gov.sg

Mr Lester Kok

Senior Assistant Director, Corporate Communications Office

Nanyang Technological University, Singapore

Tel: 9741 5593

Email: Lesterkok@ntu.edu.sg