

Singapore to phase out unabated coal power by 2050

4 November 2021 – Singapore has joined the Powering Past Coal Alliance (PPCA) at the 26th Conference of Parties (COP-26) to the United Nations Framework Convention on Climate Change (UNFCCC) in Glasgow, one of 28 new members and one of the first countries in Asia to do so. Singapore has also signed the Global Coal to Clean Power Transition statement initiated by the UK COP26 Presidency.

Powering Past Coal Alliance (PPCA)¹

2 Singapore's membership of the PPCA, reflects its efforts to progressively phase out the use of unabated coal. Under the PPCA Declaration, Singapore has committed to continue phasing out the use of unabated coal in its electricity mix by 2050, and to restrict direct Government finance of unabated coal power internationally. Since independence, Singapore's reliance on coal has been marginal, and makes up less than 2 per cent of its power generation capacity today.

3 Minister for Sustainability and the Environment Grace Fu announced Singapore's membership to the PPCA at the COP-26 Energy Day Presidency Event on 4 November 2021. She said, "The burning of coal is putting billions of people at immediate risk. This is why Singapore has decided to join the Powering Past Coal Alliance, one of the first countries in Asia to do so. Singapore is fully committed to accelerating the transition to a low-carbon future. We will transform our industry, economy, and society to be more energy and carbon efficient, and to adopt more low-carbon energy in support of the goals of the Paris Agreement."

4 As part of our energy transition and other initiatives under the Singapore Green Plan 2030, Singapore aims to use low-carbon energy sources across our economy. To further decarbonise the power sector, Singapore will harness and tap on these four switches to transform our energy supply - natural gas, solar, regional power grids, and emerging low-carbon alternatives.

¹ The Powering Past Coal Alliance (PPCA) was launched by Canada and the UK at COP23, and is a coalition of national and sub-national governments, businesses and organisations working to advance the transition from unabated coal power generation to clean energy. For more information on the PPCA, visit <https://www.poweringpastcoal.org/about/who-we-are>

B) Global Coal to Clean Power Transition

5 In addition to its membership in the PPCA, Singapore has signed the Global Coal to Clean Power transition statement. This is a commitment to international efforts and collaboration to shift away from unabated coal power generation in the 2040s (or as soon as possible thereafter), cease issuances of new permits, and end direct Government support for new unabated coal-fired power generation projects worldwide. The Global Coal to Clean Power Transition statement was initiated by the UK COP-26 Presidency as a declaration to accelerate international momentum for global energy transition.

6 Although Singapore is a small city-state with limited options to deploy renewable energy at scale, our commitment to phase out coal complements our plans to transition to a low-carbon future, set out under the Long-Term Low-Emissions Development Strategy (LEDS).

7 Effective international cooperation is needed to tackle climate change, a complex global challenge, and every country must do its part. Singapore seeks to work with international and regional partners to enable effective collaborations, strengthen consensus and in turn galvanise collective global climate action.

Annex A Transcript of Video Message by Minister Grace Fu's announcing Singapore's membership to the PPCA

Annex B Factsheet for Singapore's Long-Term Low-Emissions Development Strategy

Annex C Singapore Green Plan 2030

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TRANSCRIPT OF VIDEO MESSAGE BY MINISTER GRACE FU ANNOUNCING SINGAPORE'S MEMBERSHIP TO THE POWERING PAST COAL ALLIANCE (PPCA)

Scheduled for broadcast at the COP26 Energy Day Presidency Event, 4 Nov, 2355HRS (Singapore Time)

Partners of the Powering Past Coal Alliance,
Greetings from Singapore.

It is clear to all of us that the burning of coal is putting billions of people at immediate risk. This is why Singapore has decided to join the Powering Past Coal Alliance today, one of the first countries in Asia to do so.

2 Singapore's membership to the PPCA expresses our long-term commitment to clean energy and tangible climate action. We have been an early mover in the shift away from coal. The fact is that our reliance on coal has been marginal since the day of our independence in the 1960s. Since the start of the century, we shifted almost entirely to cleaner natural gas for power generation. Today, coal makes up less than 2% of Singapore's power generation capacity.

3 We intend to do better. As part of our energy reset, we are putting solar panels on our rooftops and reservoirs. As a small-island nation, we have limited options to deploy renewable energy at scale. We are pursuing the importation of clean energy, and investing in clean energy R&D, such as hydrogen. We are fully committed to accelerate the transition to a low-carbon future in support of the goals of the Paris Agreement.

4 We will continue to nurture the growth of our clean energy companies. This will also support the energy transition for the countries in our region and contribute to new economic opportunities. We are working with financial institutions to develop a vibrant green finance ecosystem to support Asia's transition towards greater sustainability.

5 Through this Alliance, we look forward to forging new collaborations and contributing to global climate action. We look forward to working with you closely.

**FACTSHEET FOR SINGAPORE'S LONG-TERM LOW-EMISSIONS
DEVELOPMENT STRATEGY**

1. On 31 March 2020, Singapore submitted its Long-Term Low-Emissions Development Strategy (LEDS) to the United Nations Framework Convention on Climate Change (UNFCCC).

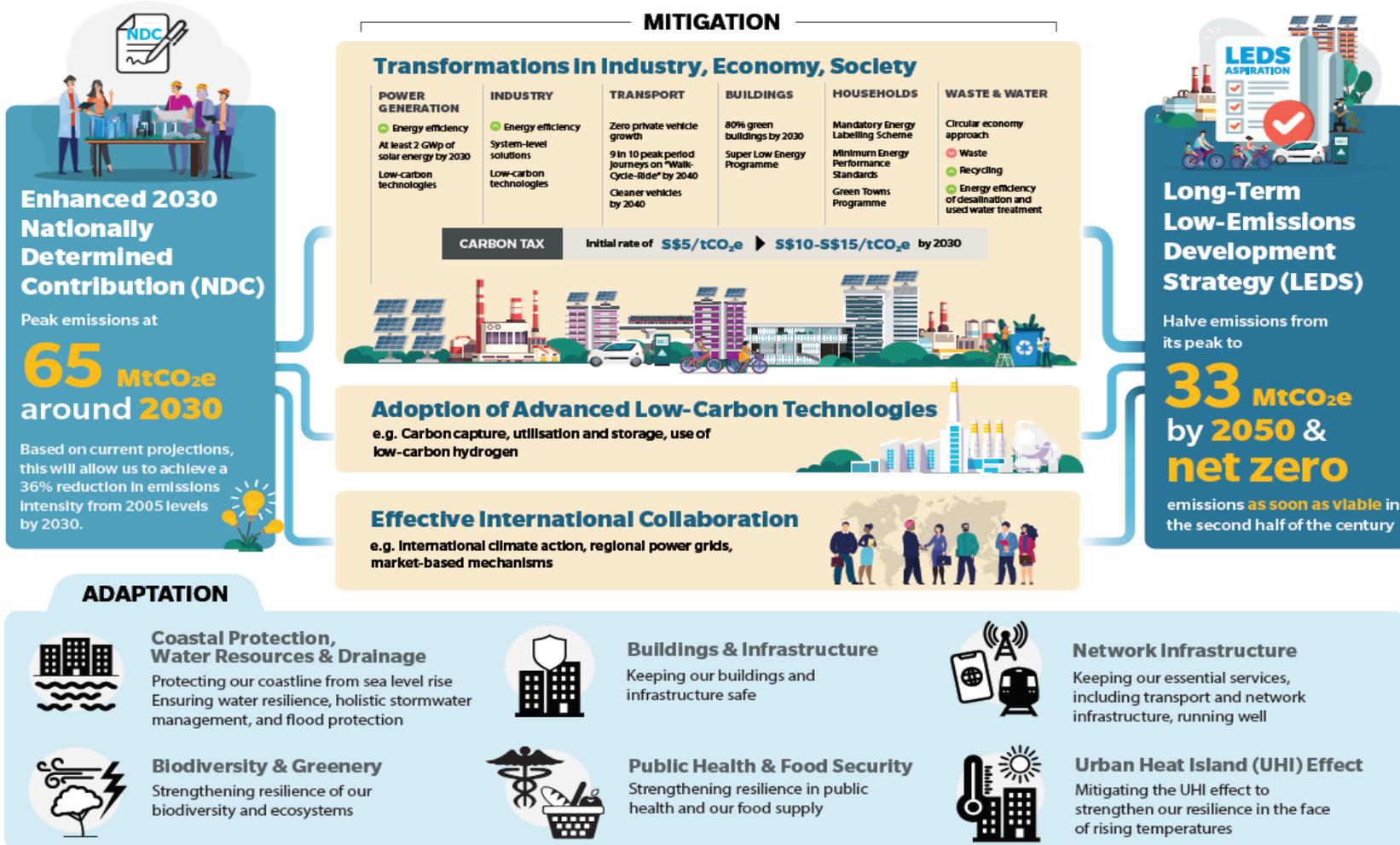
2. Singapore's LEDS sets out our aspiration to halve our emissions from its peak to 33MtCO_{2e} by 2050, with a view to achieving net zero emissions as soon as viable in the second half of the century.

3. Singapore will take concrete actions across all sectors to facilitate the low-carbon transition, building on our long-standing emphasis on sustainable development. The Government's strategy to achieve our LEDS aspiration will have three thrusts.

- a. Transformations in industry, economy and society, e.g. more renewable energy, greater energy efficiency, reducing energy consumption;
- b. Adoption of advanced low-carbon technologies, e.g. carbon capture, utilisation and storage (CCUS), use of low-carbon hydrogen; and
- c. Effective international collaboration, e.g. international climate action, regional power grids, market-based mechanisms.

Infographic: Charting Singapore's Low-Carbon Future

Charting Singapore's Low-Carbon Future



For more details on Singapore's LEDS, please refer to this [link](#).

SINGAPORE GREEN PLAN 2030



The Singapore Green Plan 2030 is a national sustainability movement which seeks to rally bold and collective action to tackle climate change.

It is a living plan which will evolve as we work with Singaporeans and partners from all sectors to co-create solutions for sustainability. Let's work together to make Singapore a green and liveable home.

City in Nature

Green, Liveable and Sustainable Home for Singaporeans

- ✔ Plant 1 million more trees, and have every household within a 10-minute walk from a park by 2030
- ✔ Develop over 130 ha of new parks, and enhance around 170 ha of existing parks with more lush vegetation and natural landscapes by end-2026
- ✔ Add 1000ha of green spaces by 2035

Sustainable Living

Strengthen Green Efforts in Schools

- ✔ Introduce an Eco Stewardship Programme to enhance environmental education in all schools
- ✔ Work towards two-thirds reduction of net carbon emissions from schools sector by 2030
- ✔ At least 20% of schools to be carbon neutral by 2030

Green Commutes

- ✔ 75% of trips during peak periods to be on mass public transport by 2030
- ✔ Triple cycling path network to 1,320km by 2030, from 460km in 2020
- ✔ Expand rail network to 360km by early 2030s, from around 230km today

Green Citizenry:

Reduce waste and consumption

- ✔ Reduce amount of waste to landfill per capita per day by 20% by 2026, and 30% by 2030
- ✔ Reduce household water consumption to 130 litres per capita per day

Energy Reset

Cleaner-energy Vehicles

- ✔ New diesel car and taxi registrations to cease from 2025, with all new car and taxi registrations to be of cleaner-energy models from 2030
- ✔ Further revise road tax structure to bring down road tax for mass-market electric cars
- ✔ Target 60,000 electric vehicle (EV) charging points by 2030, with 7 EV-Ready Towns by 2025

Greener Infrastructure & Buildings

- ✔ Green 80% of Singapore's buildings (by Gross Floor Area) by 2030
- ✔ 80% of new buildings (by Gross Floor Area) to be Super Low Energy buildings from 2030
- ✔ Best-in-class green buildings to see 80% improvement in energy efficiency (over 2005 levels) by 2030

Sustainable Towns & Districts

- ✔ Reduce energy consumption in HDB towns by 15% by 2030

Green Energy

- ✔ Quadruple solar energy deployment to 1.5 gigawatt-peak by 2025
- ✔ Tap on cleaner electricity imports, and increase R&D on renewable energy and emerging low-carbon technologies

Green Economy

Sustainability as New Engine of Jobs and Growth

- ✔ New Enterprise Sustainability Programme to help local enterprises adopt sustainability practices
- ✔ Develop Singapore to be a carbon services hub, and a leading centre for green finance in Asia and globally
- ✔ Develop Jurong Island to be a sustainable energy and chemicals park
- ✔ Leverage opportunities in sustainable industries to create good jobs for Singaporeans

New Investments to be Carbon and Energy Efficient

- ✔ Seek new investments to be among the best-in-class in energy/carbon efficiency

Resilient Future

Safeguarding our Coastlines against Rising Sea Levels

- ✔ S\$5b dedicated to coastal and drainage flood protection measures
- ✔ Formulation of coastal protection plans for City-East Coast, North-West Coast (Lim Chu Kang and Sungei Kadut) and Jurong Island by 2030

Safeguarding Food Security

- ✔ Produce 30% of our nutritional needs locally and sustainably by 2030, through developing land and sea space and skilled workers, funding support, and promoting R&D

Keeping Singapore Cool

- ✔ Moderate the rise in urban heat, such as with cool paint and by increasing greenery

Green Government

Public sector will lead by example

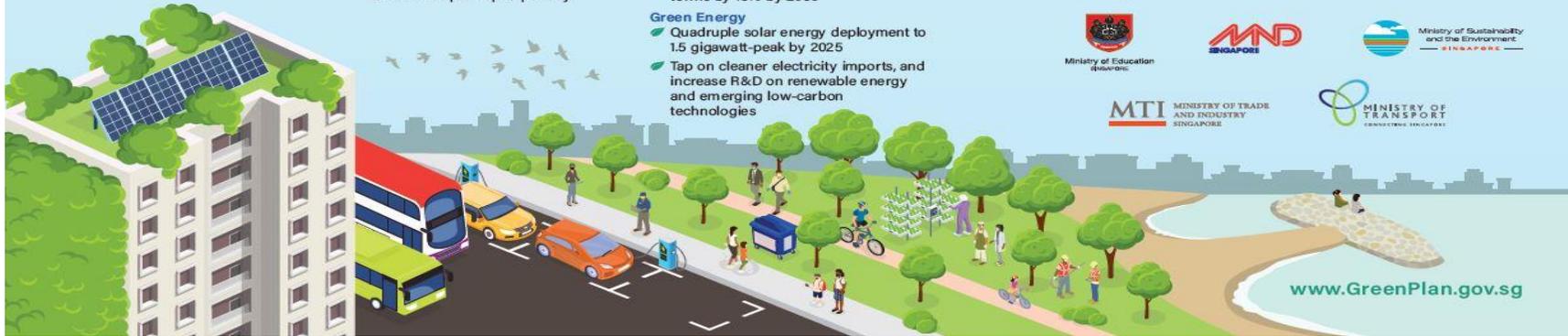
- ✔ Be exemplary in taking sustainability action, including to peak public sector carbon emissions around 2025, ahead of national target
- ✔ Encourage and enable citizens and businesses to adopt sustainability practices, such as through green procurement

Jointly led by:






www.GreenPlan.gov.sg



For more information on the Singapore Green Plan 2030, please refer to this [link](https://www.greenplan.gov.sg)