



Carbon Neutrality

Presented by Estates Office

December 2024

Climate Targets of Hong Kong

Background

- In September 2020, President Xi Jinping announced that China would endeavor to achieve the peak of carbon emissions before 2030 and carbon neutrality before 2060
- The Chief Executive of HKSAR announced in the 2020 Policy Address that Hong Kong would strive to achieve carbon neutrality before 2050

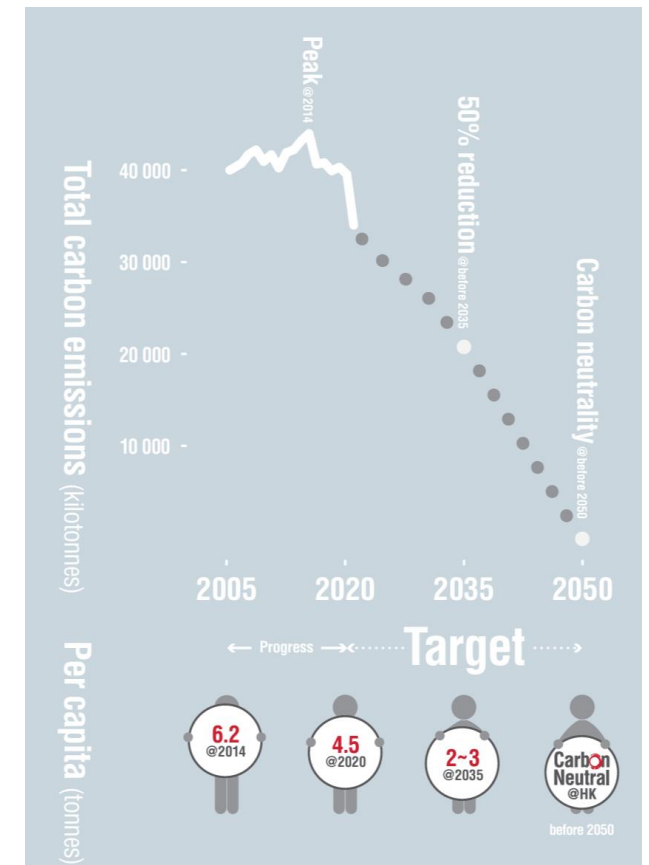
Climate Targets of Hong Kong

Interim target

- Reduce Hong Kong's carbon emissions by **50% before 2035** compared to 2005 level

Carbon Neutrality target

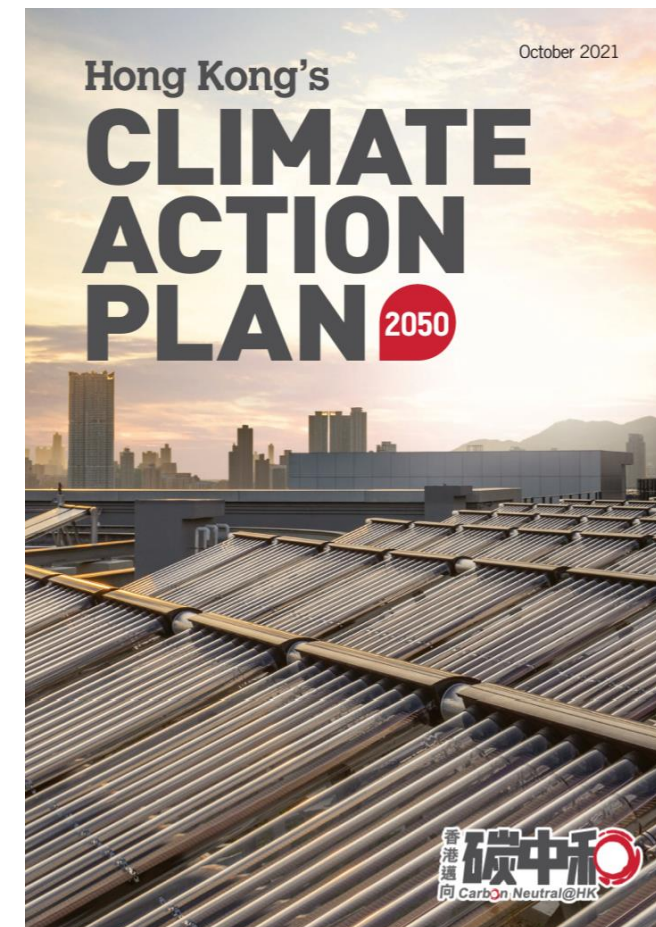
- Achieve **carbon neutral by 2050**



Hong Kong's Climate Action Plan *(October 2021)*

Strategies

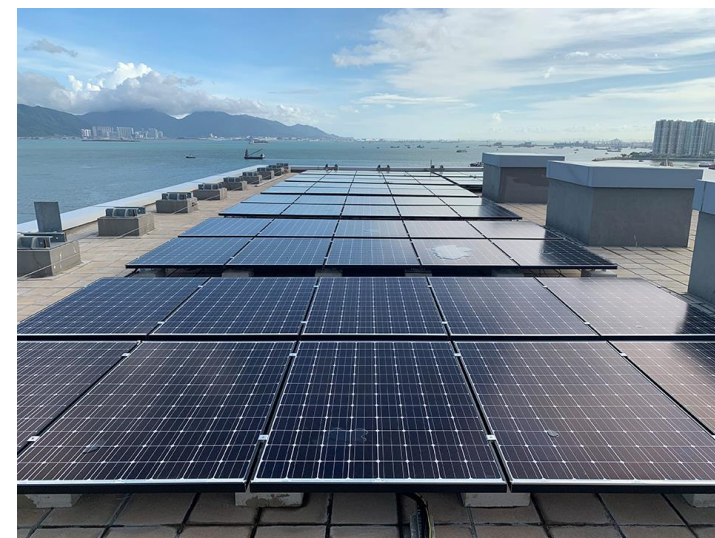
- Allocate **HK\$240 billion** to combat climate change in the next 15 to 20 years
- Work with different sectors to promote **low-carbon life style**
- Develop Hong Kong into a **green financial hub** in the region
- Facilitate the development of **green industry**
- Facilitate the application of **decarbonization technologies and green R&D**
- Incorporate climate change-related content into the **curricula of tertiary institutions**



Hong Kong's Climate Action Plan *(October 2021)*

Net-zero Electricity Generation, Energy Saving and Green Buildings

- By 2050, reduce electricity consumption of
 - new and existing **commercial buildings** by 30% to 40%
 - new and existing **residential buildings** by 20% to 30%
- **Cease using coal** for daily electricity generation in 2035
- Trial of **new energy** and cooperation with neighbouring areas to increase the supply of zero carbon electricity
- Strengthen the promotion of **green buildings** in private sectors
- Use **smart technologies** to enhance energy saving management



Hong Kong's Climate Action Plan *(October 2021)*

Green Transportation

- Promote adoption of **new energy transportation**
- Take forward measures to set forth in the **EV roadmap**
- Test out **hydrogen fuel cell electric buses and heavy vehicles**
- **Cease new registration of fuel-propelled and hybrid private cars in 2035 or earlier**
- Progressively adopt **new energy ferries**



Hong Kong's Climate Action Plan *(October 2021)*

Waste Reduction

- Implement **waste charging** in 2023 *(postponed)*
- Encourage waste reduction and recycling by strengthen **community recycling facilities**
- Regulate **disposable plastic tableware** in phases
- Develop adequate **waste-to-energy facilities** to move away the reliance on landfills



Carbon Neutrality Targets

Target Year for Carbon Neutrality

2050

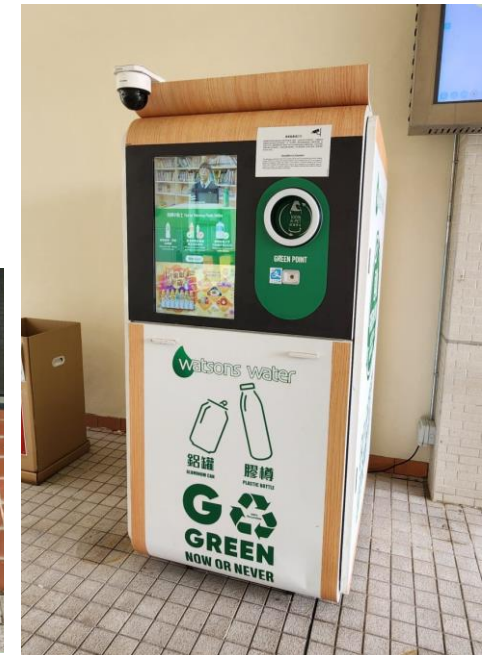
Interim Target

Reduce 50% by 2035

EO's Efforts to Carbon Neutrality

Waste reduction

- Improve **recycle facilities** on campus to encourage waste recovery
- Conduct **waste audit** to identify waste reduction opportunities
- Promote **ditching single-use disposables** (e.g. lunchbox lending program)
- Organize various **green events** to promote waste reduction (e.g. recycle day, clothing swaps)



EO's Efforts to Carbon Neutrality

Energy saving & green buildings

- Current KPIs:
 - *To reduce 15% of carbon emissions per capita by 2025/2026 based on 2018/2019 level*
 - *To reduce 5% of electricity consumption per capita by 2025/2026 based on 2018/2019 level*
- Replace major building services systems with **energy efficient equipment** to reduce energy consumption.(e.g.high efficient air conditioning system/VSD fans&pumps/lifts with power regeneration)
- Convert to **LED lighting** progressively
- Integrate **smart building control** for energy management
- Explore the feasibility of installation of **energy saving devices with latest technology** (e.g. energy optimizers)
- Achieve **green building certification** for new buildings (e.g. BEAM Plus)
- Use **sustainable/eco-friendly building materials**



EO's Efforts to Carbon Neutrality

Renewable energy on campus

- Expand **PV panel system** on campus to maximize renewable energy generation
- Explore the **application of other renewable energy equipment** on campus (e.g. solar-wind hybrid lamps)



EO's Efforts to Carbon Neutrality

Green transportation

- Improve **electric vehicle (EV) charging infrastructure** on campus to prepare for the transition to EVs



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