

Figure 2 Long-term time series of number of hot nights in Hong Kong (1884-2022)

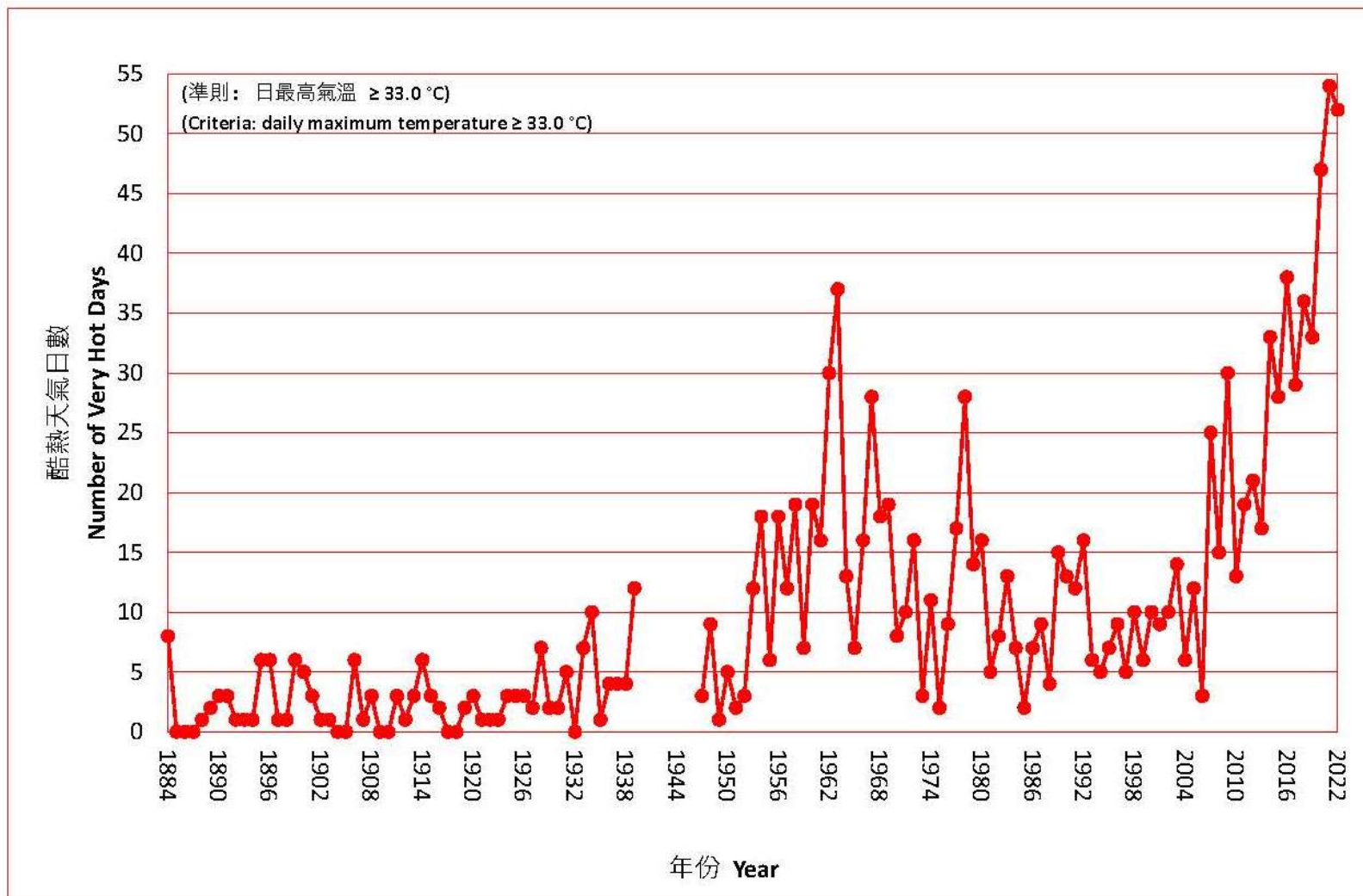


Figure 3 Long-term time series of number of very hot days in Hong Kong (1884-2022)

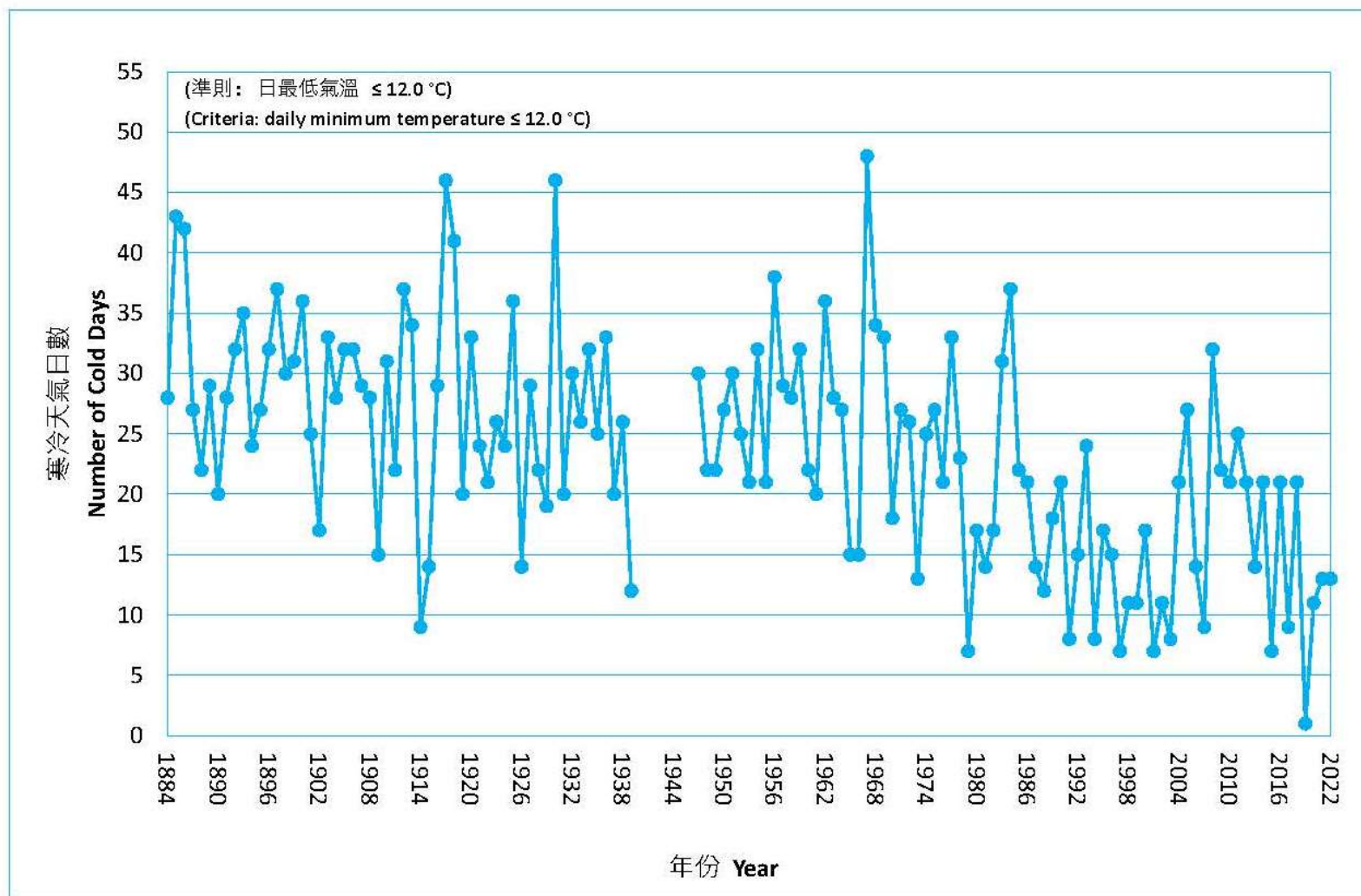


Figure 4 Long-term time series of number of cold days in Hong Kong (1884-2022)

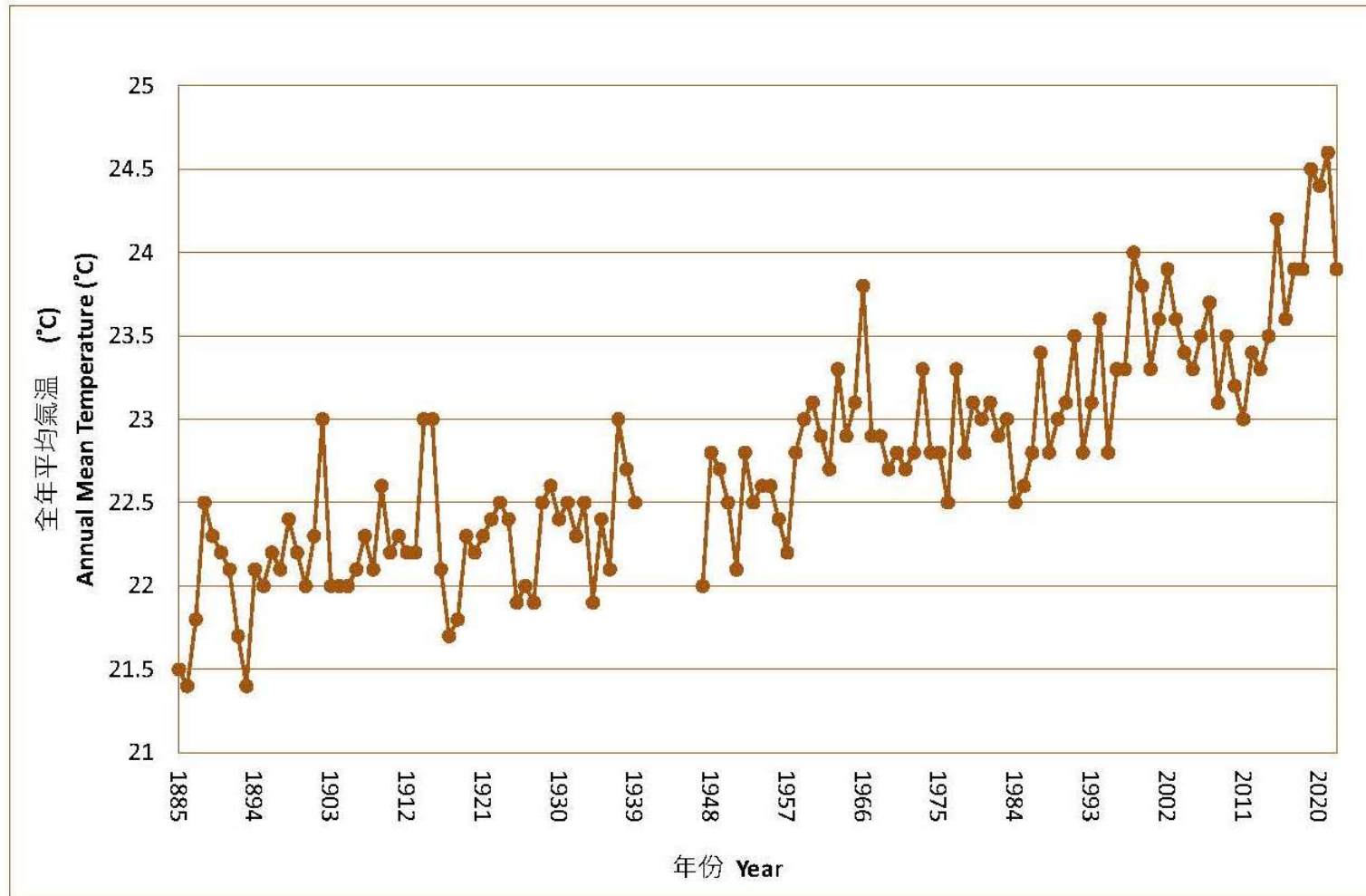


Figure 5 Long-term time series of annual mean temperature in Hong Kong (1885-2022)

Hong Kong's
**CLIMATE
ACTION
PLAN** **2050**





Strategy and Overall Target

Steering Committee
on Climate Change and
Carbon Neutrality

Climate budget
In the next 15 to 20 years
devote about \$240 billion

Office
of Climate Change
and Carbon Neutrality

Advisory committee

Public engagement



Four Decarbonisation Strategies



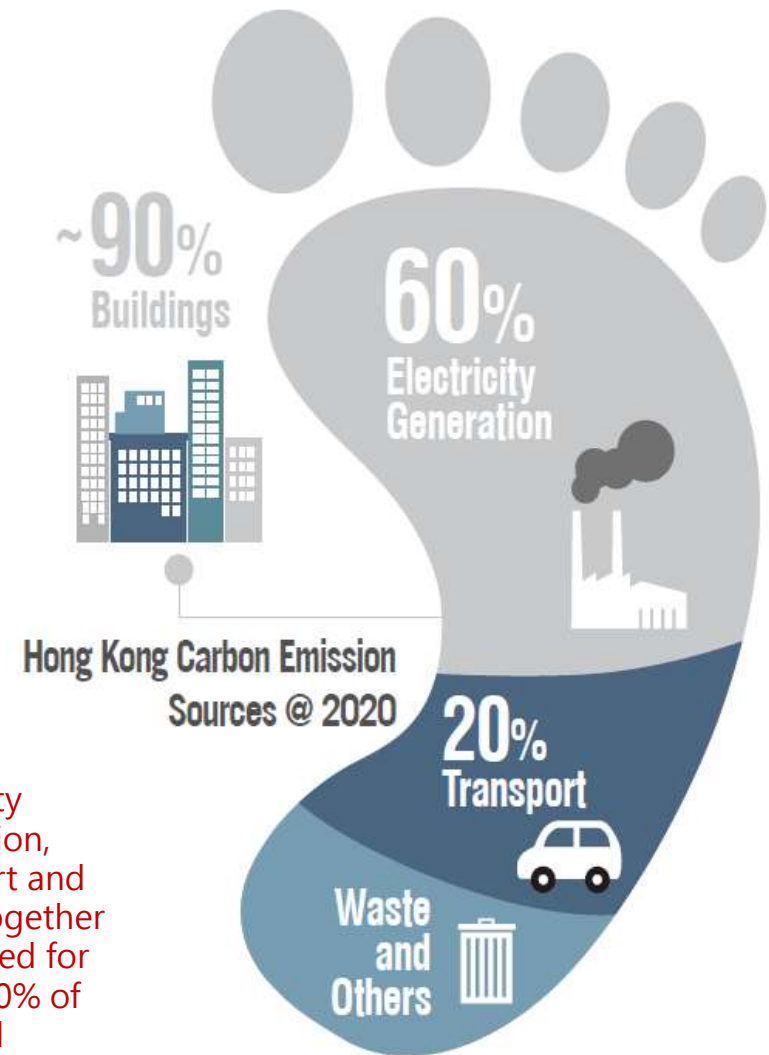
Net-zero Electricity
Generation

Energy Saving and
Green Buildings

Green Transport

Waste Reduction

Sources of Carbon Emissions in Hong Kong



Electricity
generation,
transport and
waste together
accounted for
about 90% of
the total
emissions

Reduce coal for electricity generation

The share of coal in the fuel mix for electricity generation had been reduced from around half in 2015 to less than a quarter in 2021



Net-zero Electricity Generation



Cease using coal

Phase out coal for electricity generation



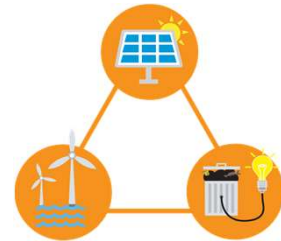
Renewable energy (RE)

Increase RE share to 7.5-10% of fuel mix by 2035, and increase to 15% subsequently

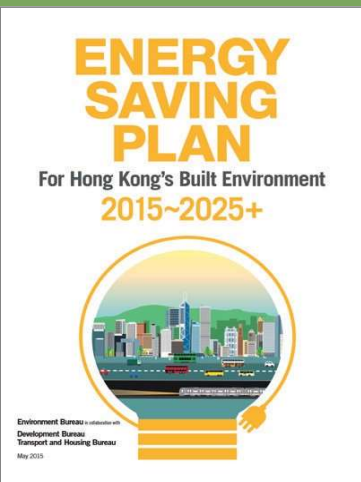


Zero-carbon energy

Trial of new energy
Regional cooperation



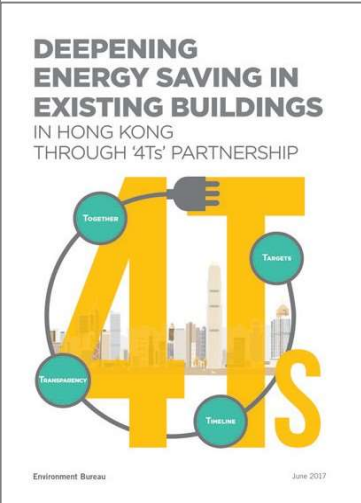
Net-zero carbon emissions before 2050



Electricity Saving

About 2.1 billion kWh of electricity saved in 2020 compared with 2015 (-4.7%)

Electricity consumption of government buildings reduced by 7.8% in five years (from 2015-16 to 2019-20)



Energy Saving and Green Buildings

Ambitious energy saving targets



Electricity Consumption (Compared with 2015)



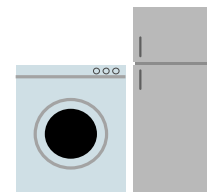
(Reduce by 30-40% subsequently)



(Reduce by 20-30% subsequently)

Strengthening Regulation

Enhance energy performance of buildings
Explore setting minimum energy efficiency requirement for specified appliances



Smart Management

Use of smart technologies
District cooling systems incorporated in development projects



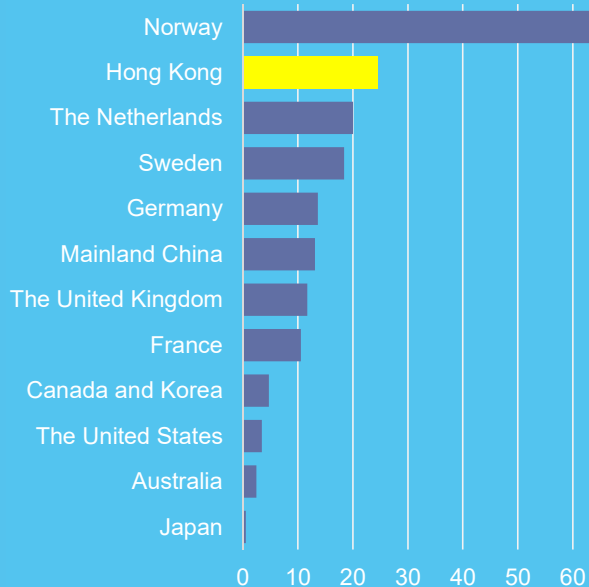
Hong Kong
**ROADMAP ON
 POPULARISATION
 OF ELECTRIC
 VEHICLES**
 March 2021



Please scan this QR code for the "Roadmap on Popularisation of Electric Vehicles"

Designed and published by the Environment Bureau and printed by Government Logistics Department on environmentally friendly ink on recycled paper.

Electric private car market shares of major economies



(%)

@2021

Green Transport

2022



Almost half of newly registered PCs is an **EV**

2023

Hydrogen Vehicles

Test out hydrogen fuel cell electric buses and heavy vehicles

2035

Electric private cars

Cease the new registration of fuel-propelled and hybrid private cars in 2035 or earlier

2035

New energy ferries

Progressively adopt new energy ferries

2050

Zero vehicular emissions before 2050



GREEN@COMMUNITY

Strengthen Community Waste Reduction and Recycling Support

As of June 2022

- 11 Recycling Stations
- 32 Recycling Stores
- 120+ Recycling Spots are in operation

Hundreds of thousands of public to visit and participate in clean recycling every month

Achievement of the whole community recycling network >14 000 tonnes of recyclables

Waste Reduction



Implement municipal solid waste charging



Regulate disposable plastic tableware in phases



Develop adequate waste-to-energy facilities



Achieve carbon neutrality in waste management

Opportunities

Green Economy

Green Finance

Technology and Innovation

Carbon-neutral Community



HKSAR Government's Green Bond Reports



Hong Kong-Shenzhen Innovation and Technology Park in Lok Ma Chau Loop



Development of Northern Metropolis

Hong Kong 2030+: Towards a Planning Vision and Strategy Transcending 2030

Adaptation

Strengthening infrastructure

Combating sea-level rise
and marine protection

Combating extreme rainstorms
and tropical cyclones

Combating extreme droughts
and safeguarding water supply

Combating extreme heat



Resilience

Contingency Plan for Natural Disasters

Inter-departmental Steering Committee chaired by the CS to handle substantial natural disaster

Warning and Monitoring

Established early alert systems in areas vulnerable to flood risk and disseminate messages to mobile users

Contingency Plan for Transport System

Handle various emergency situations at major transport infrastructure



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