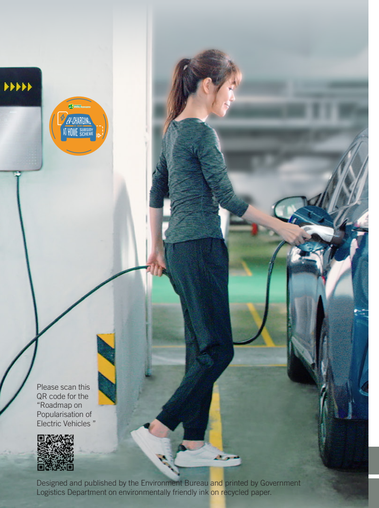
Hong Kong

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.

Roadmap on Popularisation of EVs

2020

Number of electric vehicles (EVs):
1 EV in every 8 new private cars
(made up of 2.7% of all private cars)

Existing Key Initiatives

First Registration Tax (FRT) Concessions

FRT concessions and One-for-One Replacement Scheme for e-private cars. Accumulated concessions exceeding **$7.4 billion** in 6 years since 2015

Lower Vehicle Licence Fees

Licence fees for e-private cars are lower

Free Charging

Free EV charging services at government car parks

Tax Concessions

Full FRT waiver and profits tax deduction for e-commercial vehicles

Supporting Technological Developments

$1.1 billion New Energy Transport Fund to subsidise trials and application of green transport technologies

Private Charging Facilities

NEW BUILDINGS:
Must install charging infrastructure to apply for gross floor area concessions for car parks starting from 2011.
68 000 parking spaces have been approved

EXISTING BUILDINGS:
$2 billion EV-charging at Home Subsidy Scheme open for application since end-2020 which is expected to subsidise installation of charging infrastructure for more than 60 000 parking spaces in existing private residential buildings

Public Charging Network

NEW BUILDINGS:
Install EV medium chargers at 30% of parking spaces at new government buildings

EXISTING CAR PARKS:
Allocated $120 million to add 1 000+ medium chargers at government car parks by 2022

Vision

Zero Carbon Emissions • Clean Air • Smart City

Green and Decarbonisation • Innovation and Cooperation

Multi-pronged approach to create conducive environment for popularisation of EVs

Task Force

Examine high-end development of new decarbonisation technologies globally, including new energy vehicles and fuel technology such as hydrogen fuel

Smart City

Make good use of development in technologies including Internet of Things, big data and artificial intelligence

Continue to promote the adoption of autonomous driving and technologies in smart mobility

Green Tech Fund

$200 million Green Tech Fund to fund R&D of green technologies, including EV projects

Regional Collaboration

Seize opportunities to be brought about by the EV technological development in Greater Bay Area

Electric Private Cars

No new registration of fuel-propelled private cars including hybrid vehicles in 2035 or earlier

Tax Concessions

Increased the FRT concession cap under **One-for-One Replacement Scheme** for e-private cars to **$287,500**

Extended FRT concessions and **One-for-One Replacement Scheme** to March 2024

Government Taking the Lead

EV as standard for government small and medium private cars to be procured or replaced

Public Organisations

Encourage public organisations to make reference to the government's new green procurement policy for vehicles

Electric Commercial Vehicles

Dedicated Trials

Promoting trials for electric public transport and commercial vehicles proactively, with a view to setting a more concrete way forward and timetable around 2025

Single-deck Bus

$180 million trial for single-deck e-buses to put into service progressively to test the operational performance

Double-decker

Trials for double-deckers and other types of buses under New Energy Transport Fund (NET Fund)

Public Light Bus

$80 million trial for e-public light buses to be commenced in 2023

Taxi

Explore with operators for suitable operational mode and EV models for trial

Goods Vehicle

Trial for available medium goods vehicles model under NET Fund

Other Vehicles

Funding scope of NET Fund expanded to cover motorcycles and non-road vehicles

Charging Network

Private Charging Facilities

2025 **≥150 000**

With the encouragement and incentive measures, we expect more private commercial or residential parking spaces to be equipped with charging infrastructure

Examine requiring parking spaces in new private buildings to be equipped with charging infrastructure

Public Charging Facilities

2025 **≥5 000**

(Plan to double in the future)

Public Transport

Designate charging bays for public transport at public transport interchanges of new development areas

Quick Charging Facilities

Identify sites for a territory-wide quick charging network, including exploring the feasibility to convert petrol and LPG filling stations to charging stations

Promoting Marketisation

Fees for EV charging at government car parks to be imposed from around 2025

Marketise charging services progressively with a view to promoting its sustainable development in the long run

Travelling to the Mainland

Study proposals to facilitate EV charging in the Mainland

Maintenance Services

Post-secondary Training

Work closely with post-secondary institutions to provide sufficient training, re-training and education opportunities

Collaboration with the Trade

Strengthen communication with the trade and facilitate cooperation between EV suppliers and local institutes to offer additional education programmes

Battery Recycling

Eco-responsibility

Strive to legislate a Producer Responsibility Scheme for retired EV batteries in the next few years

Green Technologies

Cover second life applications of EV batteries in the priority themes under the Green Tech Fund

Target

Before 2050

Zero Vehicular Emissions

Act in concert with Hong Kong's target to achieve carbon neutrality before 2050

Regular reviews
Strategies and targets will be reviewed roughly every 5 years to keep abreast of the latest situation