



更新版

香港電動車普及化路線圖

摘要

2026年2月

中華人民共和國香港特別行政區政府
環境及生態局

碳中和
Carbon Neutrality



掃描二維碼參閱
《香港電動車普及化
路線圖更新版》

願景

零碳
排放

清新
空氣

智慧
城市



政策推動



統籌協調

透過高層跨政策局/部門工作小組，善用市場力量，建立全面的電動車充電網絡



試驗研發

新能源運輸基金資助新能源商用車試驗；低碳綠色科研基金資助研發環保技術，包括電動車項目



政府牽頭

- ★帶頭採用電動車
- ★更新技術指引

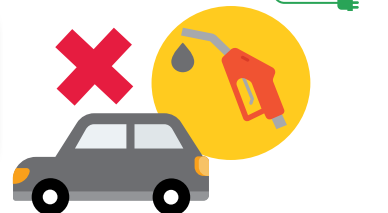


區域合作

藉ChaoJi試驗，助力國家創新充電技術「引進來、走出去」

電動私家車

2035
年或以前



停止新登記燃油私家車，
包括混合動力車



技術成熟

電動私家車技術已經成熟，未來發展將由市場主導。政府將主力完善配套，便利使用者



完善配套

建設以高速充電樁為骨幹的公共充電網絡，提供維修培訓以及建立電池回收設施



便利車主

完善充電資訊平台，和推動更多付款方式，便利車主

電動商用車

循序漸進 逐步推進

達規模化應用的車種

- 專營巴士
- ★1.8億元電動單層巴士試驗計劃
- ★資助專營巴士營辦商購置約600輛電動巴士

的士

- ★為電動的士提供50支專用高速充電樁
- ★資助的士車主購置3 000輛電動的士
- ★推出5,000萬元電動輪椅的士資助計劃

輕型客貨車和電單車

- ★物色更多型號，和完善充電網絡，提升滲透率

未達規模化應用的車種

成立工作小組

- ★協助引入切合本港使用的電動車型號

研究放寬最高車輛總重

- ★引入更多型號，以更切合運作需要

建設以高速充電樁為骨幹的公共充電網絡

- ★高速充電站設大型充電位

充電網絡

- ★與電力公司研究優化本港充電網絡設施及探討為電動車充電設立分時段用電價目

充電網絡

2035
年

充電設施可支援約80萬輛電動車

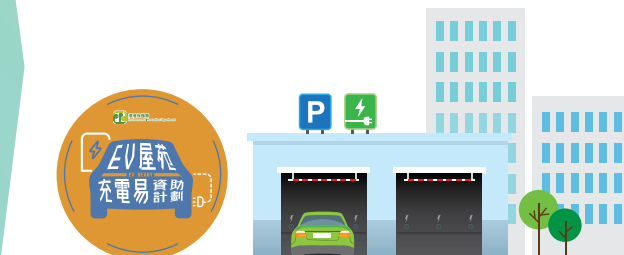
充電停車位

2027
年中

約20萬個

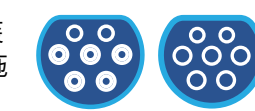
2035
年

27-30萬個



充電標準

- ★於港珠澳大橋香港口岸附近安裝符合國標及歐標的快速充電設施
- ★成立工作小組籌備ChaoJi試驗

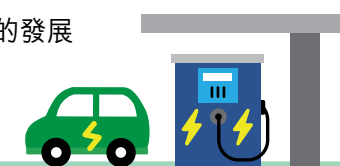


高速公共充電網絡

2035
年

約1萬支高速充電樁可支援
約50萬輛電動車

- ★3億元高速充電樁鼓勵計劃
- ★逐步將油站改建為高速充電站
- ★在現有油站加裝高速充電樁
- ★政府停車場實施電動車充電收費，推動充電服務市場化
- ★在規劃新發展區時推行更廣泛使用電動車及提供電動車充電設施
- ★2千萬元商用車專用高速充電樁計劃
- ★支持專營巴士營辦商開放巴士車廠充電設施予公眾使用
- ★支持其他充電方式的發展



現時成果



電動車數目

4年增4倍至
逾14萬輛



充電停車位

4年增4倍至
逾14萬個



公共充電樁

4年增2.5倍至
近16 500支

推廣試驗



新能源運輸基金資助了
超過220項
電動車試驗
涉及撥款 超過1.74億元



私人充電網絡

- ★私人發展項目總樓面面積豁免安排下已有超過9.5萬個停車位獲批
- ★透過35億元「EV屋苑充電易資助計劃」，超過7.7萬個停車位已配備電動車充電基礎設施



公共充電網絡

- ★已售出三幅土地，預計
- ★推出3億元高速充電樁鼓勵計劃，目標
- 當中兩個
2026
年初
高速充電站
開始啟用
- 2028
年
提供3 000支
高速充電樁

維修培訓

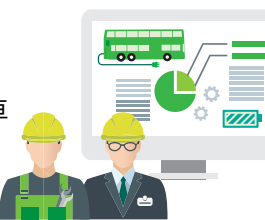


制定指引

電動車維修工作指引

維修培訓

提供專業電動車
維修培訓課程，
培訓技工



電池回收

回收推廣

2026
年

首座大型電動車電池回收設施啟用，退役電池轉化為再生「黑粉」，促進綠色產業發展



準備立法規管

就電動車電池推行生產者責任計劃諮詢立法會

目標

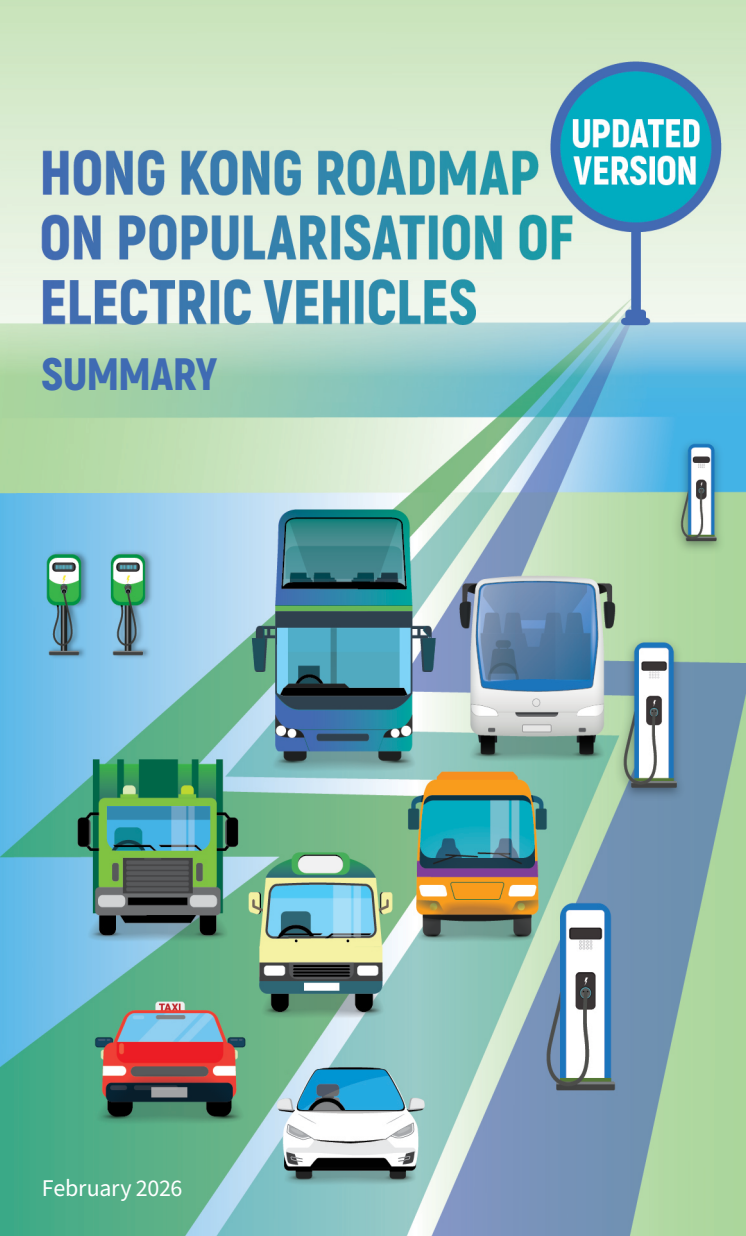
2050
年前



車輛
零排放



以配合
碳中和目標



Vision



Policy Promotion

- Coordination**
Develop a comprehensive electric vehicle (EV) charging network through a high-level inter-bureaux/departmental working group and market forces
- R&D Trials**
New Energy Transport Fund to subsidise trials of new energy commercial vehicles; Green Tech Fund to fund R&D of green technologies including EV projects
- Government-led**
 - ★ Lead by examples in adopting EVs
 - ★ Update technical guidelines
- Regional Collaboration**
Help our Country's innovative charging technology "bringing in and going global" through the ChaoJi trial

Current Achievements



Electric Private Cars



Cease new registration of fuel-propelled private cars, including hybrid vehicles

- Technological Advancement**
Electric private car technology is mature, and future development will be market-driven. The Government will focus on improving supporting infrastructure to facilitate users
- Improving Infrastructure**
Build a public charging network with fast chargers as backbone; provide maintenance training, and establish battery recycling facilities
- Facilitating Car Owners**
Improve charging information platform and promote more payment methods to facilitate car owners

Electric Commercial Vehicles

- Taking a pragmatic and gradual approach to promote application**
 - Types reaching large-scale application**
 - Franchised Buses**
 - ★ \$180 million electric single-deck bus trial scheme
 - ★ Subsidise franchised bus operators to purchase about 600 electric buses
 - Taxis**
 - ★ Provide 50 dedicated fast chargers for electric taxis
 - ★ Subsidise taxi owners to purchase 3 000 electric taxis
 - ★ Introduce a \$50 million subsidy scheme for electric wheelchair-accessible taxis
 - Van-type Light Goods Vehicles and Motorcycles**
 - ★ Identify more models and improve the charging network to drive market penetration
 - Types not yet reached large-scale application**
 - Setting up working group**
 - ★ Facilitate the introduction of more EV models suitable for use in Hong Kong
 - Exploring relaxation of gross vehicle weight**
 - ★ Introduce more models to fit operational needs
 - Building a public charging network with fast chargers as the backbone**
 - ★ Provide large charging bays at fast charging stations
 - Charging Network**
 - ★ Work with power companies to explore ways to optimise Hong Kong's charging network infrastructure and consider introducing time-of-use electricity tariffs for EV charging

Promotion and Trials

- The New Energy Transport Fund has subsidised **more than 220 EV trials** involving funding support exceeding \$174 million

Charging Network

- 2035** Charging infrastructure will be able to support around **800 000 EVs**
- Parking Spaces with Charging Facilities**
mid 2027 around **200 000** → **2035** **270 000-300 000**
- Fast Public Charging Network**
2035 around **10 000** fast chargers to support around **500 000** EVs
 - ★ \$300 million Fast Charger Incentive Scheme
 - ★ Gradual conversion of petrol filling stations (PFSs) into fast charging stations
 - ★ Retrofit existing PFSs with fast chargers
 - ★ Implement fee-paying for EV charging services in government car parks to promote marketisation
 - ★ Promote the wider use of EVs and provide EV charging facilities when planning new development areas
 - ★ \$20 million fast charger scheme dedicated for commercial vehicles
 - ★ Provide support to the franchised bus operators for opening up the charging facilities in bus depots for the use of the general public
 - ★ Support the development of alternative charging methods
- Charging Standard**
 - ★ Install quick charging facilities compliant with GB and IEC standards near the Hong Kong-Zhuhai-Macao Bridge Hong Kong Port
 - ★ Set up a working group to prepare for ChaoJi trial

Private Charging Network

- ★ **Over 95 000 parking spaces** have been approved under the gross floor area concessions for private development projects
- ★ Through the \$3.5 billion "EV-charging at Home Subsidy Scheme", **over 77 000 parking spaces** have been equipped with EV charging-enabling infrastructure

Public Charging Network

- ★ Three plots of land have been sold
- ★ \$300 million Fast Charger Incentive Scheme has been launched
- early 2026** with two fast charging stations expected to commence operation
- 2028** with a target of providing 3 000 fast chargers

Maintenance and Training

- Compiled Guidelines**
Practice Guidelines for EV Maintenance
- Maintenance and Training**
Offer professional EV maintenance training courses to mechanics

Batteries Recycling

- Promoting Recycling**
2026
The first large-scale EV battery recycling facility expected to commence operation, turning retired batteries into recycled black mass, promoting the development of green industries

- Preparing for Legislation**
To consult the Legislative Council on the PRS on EV batteries

Target

- Before 2050**
Zero Vehicular Emissions
to support the **Carbon Neutrality Goal**