

# Electric Vehicle Policy in Hong Kong

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# PROMOTING ELECTRIC VEHICLES THE BENEFITS

- Improve roadside air quality will reduce public exposure and lower health risk
- Reduce carbon emissions and help combat global climate change
- Help nurture the development of environmental industries
- Promote green economy



# PROMOTING ELECTRIC VEHICLES

## THE POLICIES AND MEASURES

### KEY POLICY-RELATED EFFORTS

- Financial Secretary chairs the Steering Committee on the Promotion of EVs to provide top level policy steer
- Ultimate policy objective: zero emission buses running across the territory
- The Government has been leading by examples in using EVs
- Encouraging EV manufacturers to introduce their EVs to Hong Kong
- Dedicated website and other activities to promote the use of EVs



# PROMOTING ELECTRIC VEHICLES THE POLICIES AND MEASURES TAX INCENTIVES

- First Registration Tax of EVs is waived till March 2017
- Full profits tax deduction for the capital expenditure on EVs in the first year of procurement



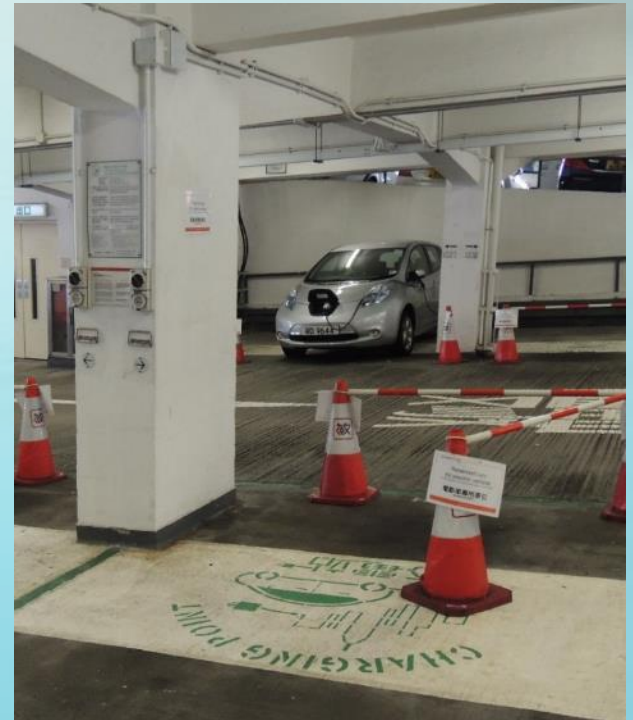
# PROMOTING ELECTRIC VEHICLES THE POLICIES AND MEASURES CHARGING OF EVs

- The Government has been working with the private sector to set up EV charging facilities
- Free charging in Government car parks
- Dedicated EMSD hotline to facilitate setting up charging facilities in private development
- Published guidelines for installation of charging facilities



# PROMOTING ELECTRIC VEHICLES THE POLICIES AND MEASURES CHARGING OF EVs

- Car parks in new development with fixed electrical installations in place are eligible for Gross Floor Area concession (i.e. “EV charging-enabling” car parks”)
- Planning guidelines recommend 30% of car parking spaces in new developments to be installed with standard chargers





# PROMOTING ELECTRIC VEHICLES THE POLICIES AND MEASURES SUBSIDIES

- A HK\$300 million **Pilot Green Transport Fund** was set up in March 2011 to subsidize public transport operators and goods vehicle owners to try out green innovative transport technologies including EVs
- Also subsidize electric shuttle buses
- Some 70 EVs approved for trial (buses, light buses, light goods vehicles, taxis)
- **Enquiries about the Fund:**  
Tel: 2824 0022, Fax: 2838 2155,  
[pgtf@epd.gov.hk](mailto:pgtf@epd.gov.hk)



# PROMOTING ELECTRIC VEHICLES THE POLICIES AND MEASURES SUBSIDIES

- HK\$180 million allocated for franchised bus companies to purchase 36 electric buses for trial to assess their performance under local conditions





# PROMOTING ELECTRIC VEHICLES THE CHALLENGES CHARGING SUPPORT

- Need to have their own chargers for top up charging overnight
  - **Consent of Property management / Incorporated owners**
- Cruising range for most EV models is still limited; drivers have “cruising range anxiety”
  - **Public chargers for opportunity charging**
- EV drivers would like to have more chargers, particularly faster charging
  - **More medium chargers**  
(reduce charging time by up to 60%)
- No unified charging protocol for quick charging
  - **Multi-standard quick chargers**  
(reduce charging time by up to 90%)



# PUBLIC CHARGING INFRASTRUCTURE FOR OPPORTUNITY CHARGING

- HK has over 1100 chargers set up by public and private sectors, covering 18 districts at various types of buildings
- Of which over 160 are medium chargers and over 40 quick chargers
- More medium and multi-standard quick chargers are coming



# GROWTH OF ELECTRIC VEHICLES

- 28 EVs in 2009 to **2246** in May 2015

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	2009	2015 May
Private cars	4	2010
Motorcycles	17	126
Buses	2	9
Light buses	1	5
Light goods vehicles	4	58
Medium goods vehicles	0	2
Taxis	0	36
<b>Total</b>	<b>28</b>	<b>2246</b>

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# PROMOTING ELECTRIC VEHICLES

- The Government will continue to promote the use of EVs
- However, we should use public transport as far as possible instead of private cars to reduce road congestion, which can also lead to poor roadside air quality
- The Government will closely monitor the growth of EVs and encourage the private sector to set up public chargers, and will consider the need to further expand the charging network in a timely manner



# SETTING UP CHARGERS

EMSD Hotline: 3757 6222

## EV FURTHER INFORMATION

Website:

[http://www.epd.gov.hk/epd/english/environment\\_inhk/air/prob\\_solutions/promotion\\_ev.html](http://www.epd.gov.hk/epd/english/environment_inhk/air/prob_solutions/promotion_ev.html)

(search: “Promotion of Electric Vehicles in Hong Kong”)

EPD Email : [ev@epd.gov.hk](mailto:ev@epd.gov.hk)



**Thank You**

