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30 June 2017

The President
Motor Traders Association of Singapore
(Fax : 6472 4930)

Our ref VE/06-2017
Your ref
DID 6553 5643 Fax 6553 5329

The President
Automobile Importer & Exporter Association, Singapore
(Fax: 6746 1555)

The President
Singapore Vehicle Traders Association
(Fax: 6747 1010)

All Motor Vehicle Dealers / Importers

All Electronic Service Agents

Dear Sir/ Madam

Emission Factor for Electric and Plug-in Hybrid Vehicles under the Vehicular Emissions Scheme

1. At Budget 2017, the Land Transport Authority (LTA) announced the introduction of the Vehicular Emissions Scheme (VES), which will run from 1 January 2018 to 31 December 2019. LTA also announced that the emission factor to be used for computing the carbon dioxide (CO₂) emissions of electric vehicles (EVs) and plug-in hybrid vehicles (PHEVs) under the VES would be announced later this year and that it would take into consideration the fact that EVs and PHEVs consume electricity which produces CO₂ at the point of power generation, even though they have no tailpipe emissions.

2. LTA has now completed its review of the emission factor, which will be fixed at 0.4 g CO₂/Wh for the duration of the VES. The fixed emission factor will provide the industry with greater certainty in planning for the importation of EVs and PHEVs, and is based on the latest 2016 Electricity Grid Emission Factor¹ published by the Energy Market Authority (EMA), which is 0.4244 g CO₂/Wh.

¹ The Electricity Grid Emissions Factor refers to the carbon intensity of electricity generation in Singapore. It is computed in accordance to the United Nations Framework Convention on Climate Change (UNFCCC) guidelines and is released annually by the EMA. More information is available on EMA's website at: https://www.ema.gov.sg/cmsmedia/Publications_and_Statistics/Statistics/18RSU.pdf

3. The emission factor of 0.4 g CO₂/Wh will also be applied to the extended Carbon Emissions-based Vehicle Scheme (CEVS), from 1 July 2017 to 31 December 2017.
4. LTA will review the fixed emission factor again when the VES expires on 31 December 2019.
5. LTA has revised the existing fuel economy labels for EVs and PHEVs to reflect the fixed emission factor and any corresponding changes in rebates/surcharges. Motor dealers will be able to download the revised fuel economy labels from VITAS from 1 July 2017 and should affix them at a prominent location on the front windcreens of cars displayed for sale.
6. Please inform your members of the above. Should you have any enquiry or require any assistance on the matter, you may contact Mr Han Hang Kwang on DID: 6553 5263 or Mr Mervyn Wong on DID: 6553 5448.
7. Thank you.

Yours sincerely



Tan Zhi Chiang
Deputy Director, Vehicle Approval & Control
Vehicle Services Group