

## What would encourage you to purchase an EV?

The biggest hurdle currently is the Road Tax which calculation seem completely outdated using just power rating which would make any decent electric vehicle unattractive relative a standard 1.5-2.0 litre petrol car. Another hurdle is charging availability.

I propose the following ideas to drive EV adoption:

1. Create a EV COE category. Over the coming years the COE for different categories can then be tuned to gradually increase the EV%. Singapore is unique in that with the 10 year COE where we have the chance in a short time completely change the vehicle mix. We could leapfrog other countries quickly if this is tuned right.
2. Calculate EV road tax based on EV efficiency, how many km/kWh you get. This will penalize bigger inefficient cars which will then pollute more at the power plant relative to its travelled distance.
3. Develop standard EV charging model in HDB estates carparks and on public roads at set \$/kwh price which also includes an EV tax to compensate for government petrol tax shortfall relative increased electricity use tax.

Specific parking lots within estates get chargers added. The IU with cashcard will get deducted gradually as the car is being charged using same sensor type as in car park gantries. All the user needs to do is to park and plug in the charging cable, rest goes automatically. The same type of chargers will get popular and can be placed at various locations such as businesses and malls. The businesses can then set its own kwh pricing to cover cost and make profit. The new IU can have more advanced features like charger location, fleet management etc.

For those staying in landed and can charge at home a charging point licence fee can be charged or tiered high kwh usage pricing can be used to compensate for the tax shortfall.

4. Avoid get overly fixated with car-lite society to not encourage EV adoption. We can do both at the same time. We need individual vehicles regardless how good public transport is and those vehicles 'left' should be as environmentally friendly as possible. The vehicle mix can again be controlled via the COE, for example EV COE can go up gradually while the total COEs(whole car population) actually goes down.

Thank you.

Regards

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