

# Recommendations

## Recommendation 1

**6.14** The Committee recommends that the Australian Government develop a national EV strategy to facilitate and accelerate EV uptake and ensure Australia takes advantage of the opportunities, and manages the risks and challenges, of the transition to EVs.

Addressing these risks and challenges will require effective national standards and regulation in regards to charging infrastructure and electricity grid integration, building and construction, public safety, consumer protection, processes for disposal and/or re-use of batteries, and skills training.

## Recommendation 2

**6.15** The Committee recommends that the Australian Government should take a national leadership position in establishing an inter-governmental taskforce to lead the development and implementation of a national EV strategy.

## Recommendation 3

**6.18** The Committee recommends that the Australian Government consider establishing national EV targets for light passenger vehicles, light commercial vehicles and metropolitan buses.

## Recommendation 4

**6.20** The Committee recommends that the Australian Government consider establishing a national EV target for the Government fleet.

## Recommendation 5

**6.28** The Committee recommends that the Australian Government coordinate with operators in the charging infrastructure industry to develop a comprehensive plan for the rollout of a national public charging network.

## Recommendation 6

**6.31** The Committee recommends that the Australian Government introduce more stringent vehicle emissions standards, and establish a new CO<sub>2</sub> standard, informed by those implemented in other developed countries and the findings of the Ministerial Forum on Vehicle Emissions.

## Recommendation 7

**6.34** The Committee recommends that any national strategy by the Australian Government should develop a consumer education campaign to raise awareness of the capabilities and benefits of EVs.

## Recommendation 8

**6.37** The Committee recommends that the Australian Government work with the state and territory governments to bring a Formula-E Championship race to Australia.

## **Recommendation 9**

**6.39** The Committee recommends that the Australian Government develop and implement a comprehensive 10-year EV manufacturing roadmap, also covering research and development, vehicle and system design and manufacture batteries, telematics, supply chain and component manufacturing.

## **Recommendation 10**

**6.43** The Committee recommends the Australian Government coordinate federal, state and local government EV fleet, truck and electric bus procurement through the inter-governmental EV taskforce (Recommendation 2).

## **Recommendation 11**

**6.47** The Committee recommends that the Australian Government works with state and territory governments through the COAG Industry and Skills Council to establish national training arrangements for automotive service technicians in relation to electric vehicles.

## **Recommendation 12**

**6.48** The Committee recommends that the Australian Government, in conjunction with industry stakeholders, fund apprenticeships and traineeships in the local EV and associated manufacturing sector.

## **Recommendation 13**

**6.50** The Committee recommends that the Australian Government work closely with electricity market agencies, states and other relevant stakeholders to prepare a 10-year plan detailing priority electricity network infrastructure upgrades needed to manage demand from EVs.

## **Recommendation 14**

**6.55** The Committee recommends that the Australian Government work closely with the Australian Energy Market Operator (AEMO) to:

- Expedite the establishment of a register of distributed energy resources (DER);
- Develop a strategy for AEMO to access and direct the DER to charge or provide electricity to the grid to meet operational requirements.

## **Recommendation 15**

**6.59** The Committee recommends that the Australian Government work with state and territory governments, through COAG and the Building Ministers Forum, to explore necessary amendments to the National Construction Code to render all new dwellings 'electric vehicle charger ready'.

## **Recommendation 16**

**6.60** The Committee recommends that the Australian Government work with Standards Australia to amend AS/NZS3000:2018 *Electrical installations: Wiring Rules* to the following effect:

Where a smart load management system is not implemented, assume all the electric vehicle chargers will be running at full capacity all the time. Where a smart load management system is implemented, assume electric vehicle charging load will be effectively limited by the parameters of this system.

## **Recommendation 17**

**6.62** The Committee recommends that the Australian Government work closely with Standards Australia to establish a series of national standards in relation to EVs.

