

ACT GOVERNMENT

Overcoming barriers to EV fleet procurement and fleet rollout plan update

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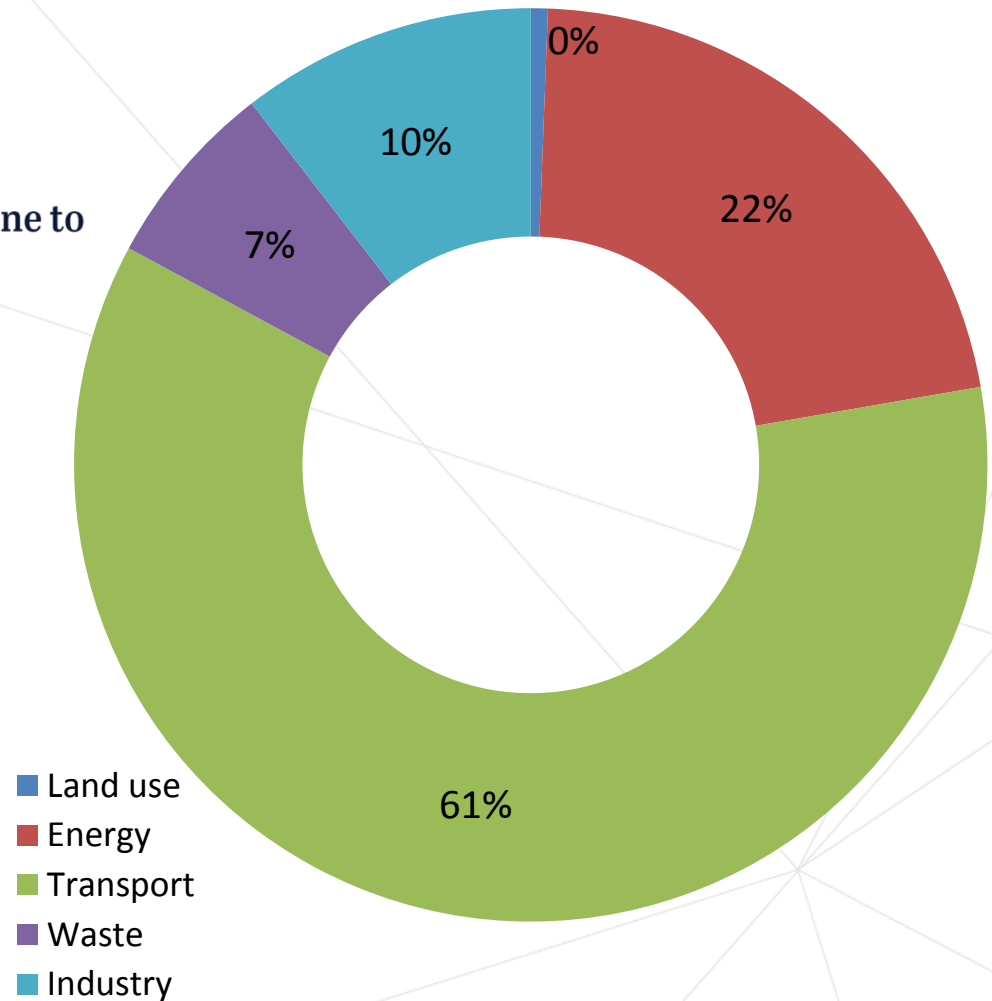


ACT – projected emissions in 2020

ACT brings forward zero net emissions deadline to 2045

The new targets

- 40 per cent below 1990 levels by 2020
- 50-60 per cent below 1990 levels by 2025
- 65-75 per cent below 1990 levels by 2030
- 90-95 per cent below 1990 levels by 2040
- Net zero emissions by 2045, previously 2050 and 2060

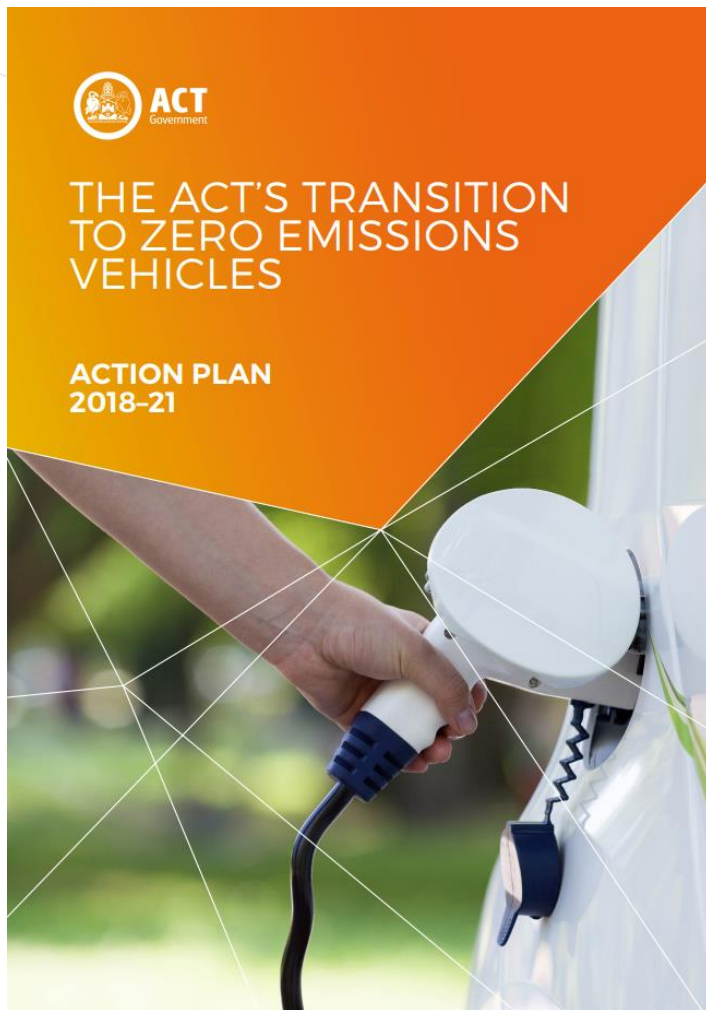


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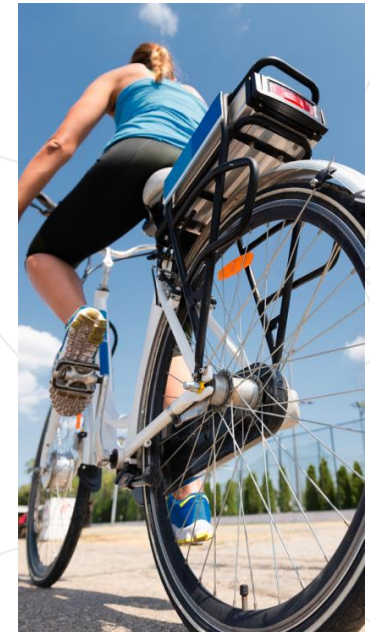
Fleet Rollout Plan



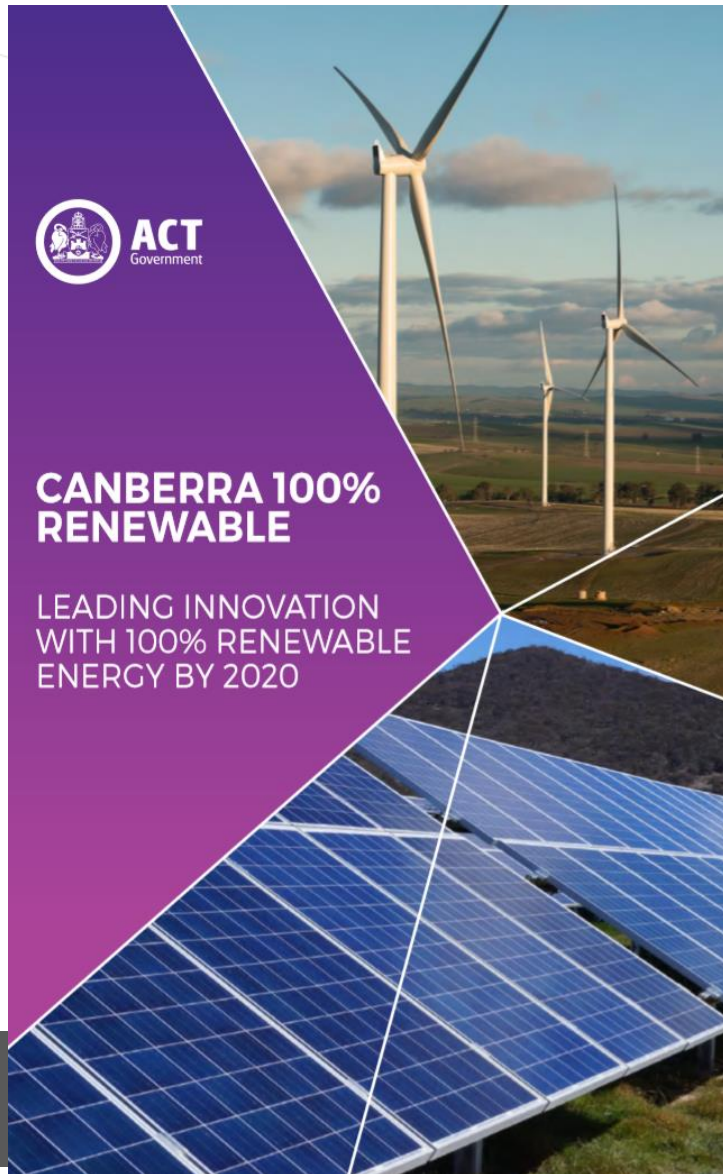
Zero Emissions Vehicles Action Plan 2018-2021



*"The actions outlined in this paper are the first steps in supporting the **rapid uptake of zero emissions vehicles in the ACT** as part of the broader plan to ensure Canberra grows into a highly sustainable and liveable city."*



The ACT is well placed to benefit from EV's



- 100 % of electricity generation will be from renewable sources by 2020.
- 100% renewable energy means that EVs charged in the ACT are **cleaner to drive than in most places around the world**, producing absolute no tailpipe emissions.

ACT future actions on zero emissions vehicles

- 50% of newly leased passenger fleet vehicles to be zero emissions by 2019-20 (where fit for purpose)
- All newly leased passenger fleet vehicles to be zero emissions from 2020-21 (where fit for purpose)



Finalising approaches to funding charging stations

- Once funding approach is finalised, **ACT Government will be installing 50 charging stations in 2019.**
- First orders have been made for 2 x chargers and 2 x Hyundai Ioniq Electric for the fleet.



Trials of the new Hyundai Ioniq with Health



Strategic locations for new EV infrastructure



A number of variables, including:

- Where leases are coming to an end
- Sites that may not require significant electrical works
- Locations that will house staff in the long-term

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Barriers/challenges to EV procurement



Financial viability

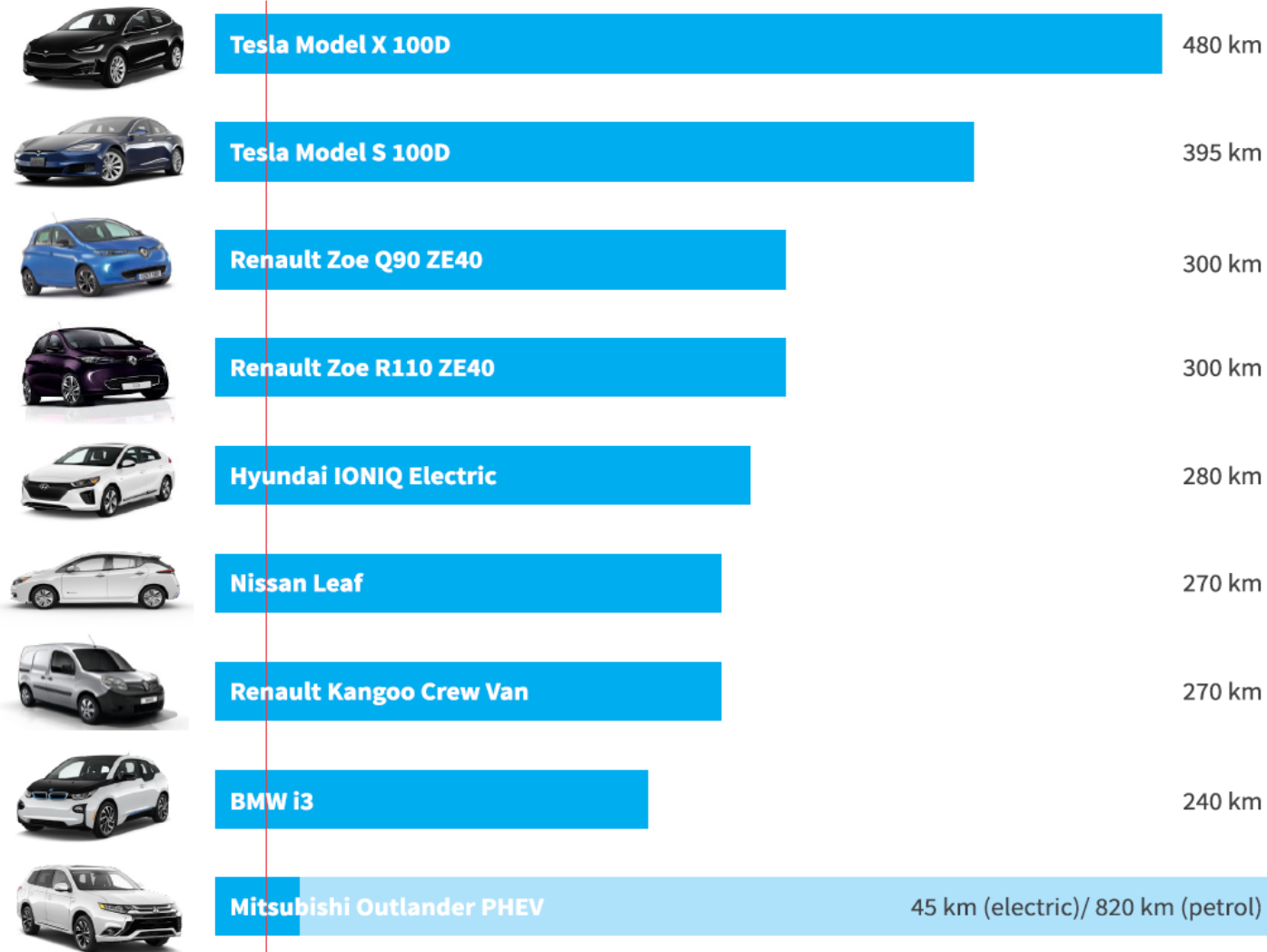
- Purchase value
- Residual value
- Running costs
- Total cost of ownership
- Leasing or buying outright
- Vehicle to grid capabilities of new EVs



Unfamiliarity



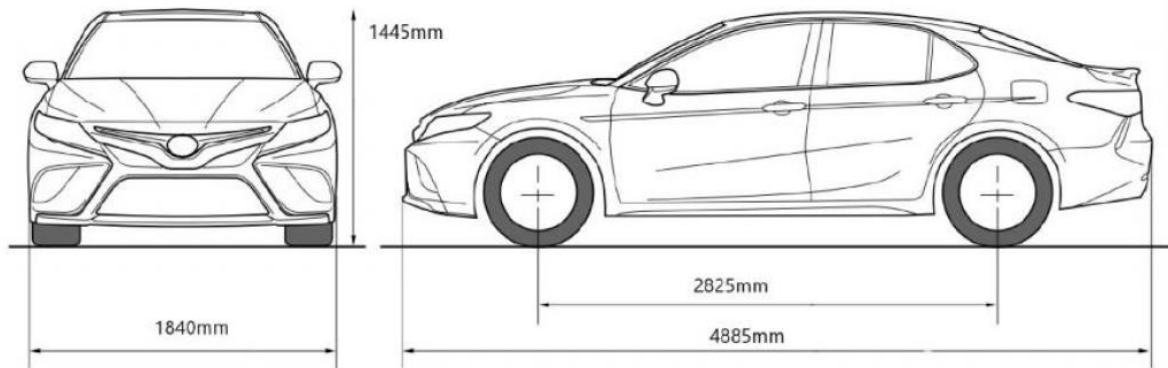
Range anxiety



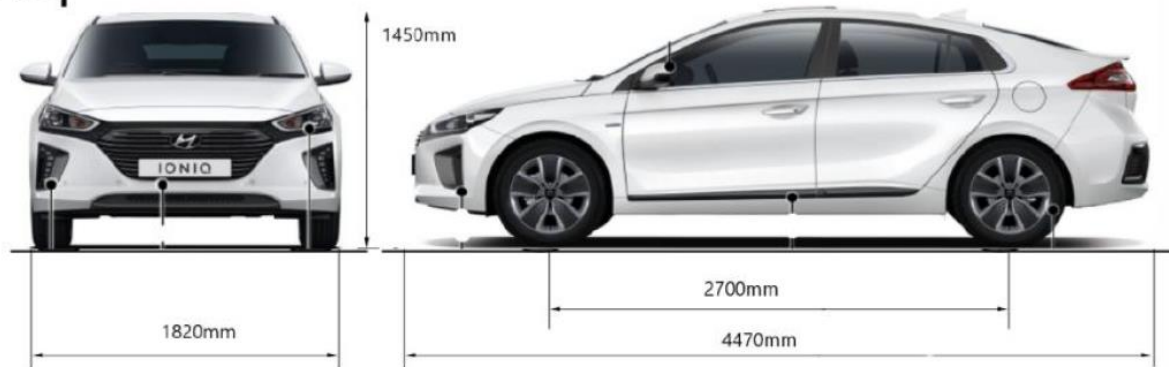
ACT average daily
vehicle distance
(30kms)

Fit-for-purpose?

Camry




Ioniq




ZEV webpage: <https://www.environment.act.gov.au/cc/zero-emissions-vehicles>

Zero emissions vehicles




The ACT Government is supporting the transition to zero emission vehicles to tackle climate change and create more sustainable transport options in Canberra. [The Future of Zero Emission Vehicles in the ACT factsheet](#)  (PDF 4MB) explains the benefits, range and performance of vehicles currently available, costs of ownership and the types of vehicles available in Australia.

Government Action

In April 2018, the ACT Government launched its [Transition to Zero Emissions Vehicles Action Plan 2018-2021](#) . This plan continues to enhance the ACT Government's reputation as a world leader in sustainability by encouraging the use of zero emission vehicles and e-bikes. The action plan contains a variety of actions, including a Government commitment to a zero emission vehicle fleet, new charging infrastructure, and incentives for consumers to purchase zero emission vehicles.

Creating more sustainable transport will be critical to meeting our legislated net zero emission target by 2045. Once the 100% renewable electricity target is achieved in 2020, transport will contribute about 60% of ACT's greenhouse gas emissions. And with the majority of transport emissions coming from private car travel, cars will soon become Canberra's single biggest producer of greenhouse gas emissions.

Working together to create sustainable transport options

The ACT is a national leader in Sustainable Transport. The Territory won the Sustainable Transport Award at the inaugural [Cities Power Partnership](#) awards in October 2017 in recognition of the work towards transitioning to zero emissions vehicles. Additionally, the ACT has signed the [Birmingham Declaration](#)  and the [e-mobility Declaration](#)  which commits signing governments to the vision of a zero emissions future for transport. ACT is also a member of the global [ZEV Challenge](#) aimed at asking automotive leaders to accelerate the transition towards a clean transport future. Here at home, the ACT is part of the Climate Action Roundtable's [Memorandum of Understanding](#)  on electric vehicles, committing signatories including the ACT, South Australia, City of Adelaide, City of Hobart and the Electric Vehicle Council of Australia to work together to increase the uptake of electric vehicles.



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