

# THE ELECTRIC VEHICLE REVOLUTION

Fund electric infrastructure and jump-start the inevitable transition to clean, affordable vehicles

If we're truly committed to meeting our Paris Agreement commitments and building towards net-zero emissions, we need to transform the way we transport people and goods. There is no time to waste. Unlike the Liberal and Labor parties, whose decade of dysfunctional government has failed to deliver a plan to reduce emissions, we are committed to re-powering our economy through clean energy. We understand that electric vehicles are better for our health, cheaper to refuel and maintain, and emit no pollution when powered by renewable energy. That's why, under our plan, there will be no petrol or diesel cars sold in Australia after 2030, tougher vehicle pollution standards will be legislated and the cost of electric vehicles will be significantly reduced so more people can buy them sooner.

## THE GREENS WILL:

- **End the sale of petrol and diesel cars from 2030**, ensuring 100% of all new vehicles sales are electric or zero emission
- **Reduce the cost of an electric vehicle by up to 20%** to make them more affordable
- Require the **major car manufacturers to sell a set percentage of EVs** each year
- Spend \$150 million on **fast charging infrastructure**, ensuring you can get where you need with an EV
- Legislate **tough vehicle pollution standards**

### END THE SALE OF PETROL AND DIESEL CARS FROM 2030

If Australia is serious about our Paris climate commitments and reaching net-zero emissions by 2040, we must transform how we transport people and goods.

Around the world, countries are announcing phase out dates for the sale of new internal combustion engine cars, including Norway (2025), Denmark (2030), the Netherlands (2030), the United Kingdom (2040) and France (2040).<sup>1</sup> The Greens want Australia to join these nations by ensuring that all new car sales are electric vehicles from 2030.

We need to shift our vehicle fleet to electric and other zero emissions cars and trucks and increase trips made by public transport, walking and cycling. The Greens' transport plan will immediately kick-start the transition.

### REDUCE THE COST OF ELECTRIC VEHICLES

While the cost of the batteries that power electric vehicles are coming down every day,<sup>2</sup> most EVs are still unaffordable for many Australian's why the Greens will implement a range of measures to make zero emissions vehicles more affordable, including:

- removing import tariffs, GST and stamp and registration duty on all new electric vehicles; and
- waving all registration fees for the first 3 years of electric vehicle ownership.

These measures would reduce the total cost of a new electric vehicle by 20% or more.<sup>3</sup>

These purchase incentives for electric vehicles would be paid for by introducing a 17% luxury fossil fuel car tax on the value of all fossil fuel light vehicles over \$66,331 for the next four years.



### A SET PERCENTAGE OF ELECTRIC VEHICLE SALES PER YEAR

To drive up electric vehicle sales, and have fewer polluting fossil fuel cars on the road, the Greens will require all major car companies to have an increasing proportion of their annual sales of light vehicles to be zero emissions vehicles.

We will impose annual targets for electric vehicle sales by these manufacturers of 2% by 2020, 5% by 2021 and 10% by 2022. This would take nearly 200,000 fossil fuel cars off the road by the end of 2022, reducing pollution and carbon emissions.<sup>4</sup>

Major manufacturers would be required to submit tradable credits equal in value to their EV target number for each year. Failure to submit sufficient credits would come with a large penalty, although these credits could be traded between companies who have more ambitious EV sales percentages (and therefore produce more credits) and companies who don't sell enough EV models to meet their target.

<sup>1</sup> International Energy Agency, *Global EV Outlook*, 2018, p 36

<sup>2</sup> Bloomberg New Energy Finance, *Electric Vehicle Outlook 2018*, 2018

<sup>3</sup> When removing a GST of 10%, tariffs on motor vehicles imports from non-FTA countries of 5%, stamp/registration duty of up to 6.5%

<sup>4</sup> Based on annual sales of all light motor vehicles from 2017 from the ABS, 2017

### \$150 MILLION FOR FAST CHARGING INFRASTRUCTURE

Using and charging electric vehicles should be simple and straightforward, no matter where you live.

The Greens will establish a \$150 million fund to provide grants for the installation of public EV charging infrastructure.

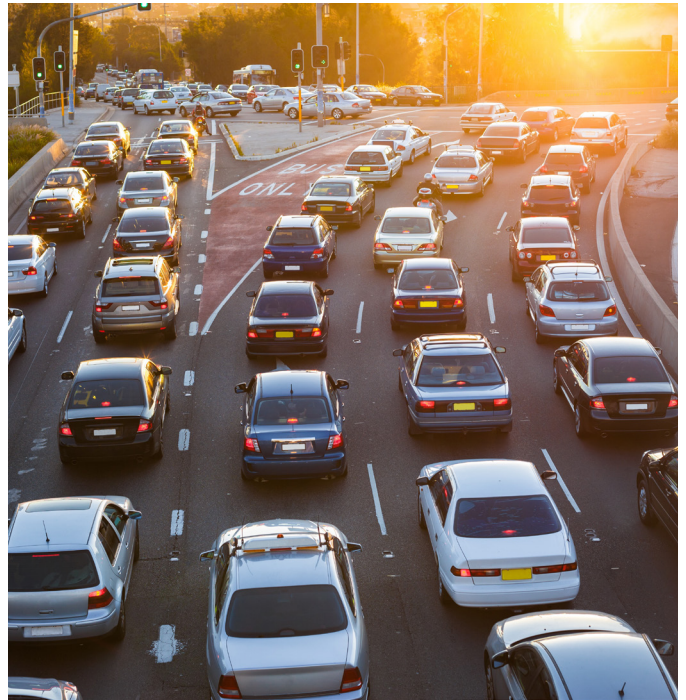
This funding will be prioritised for fast charging stations that allow drivers to get to 80% charge in approximately 15-30 minutes.

Under our plan, the government will make matched contributions of up to \$45,000 per station to support the installation of over 3,000 charging stations across the country.

### TOUGH VEHICLE EMISSIONS STANDARDS

It's critical that Australia catches up with the rest of the world and implements stringent standards for vehicle emissions, to drive down the transport pollution that is warming our planet and making us sick. 80% of cars sold around the world are in countries that already have light vehicle efficiency standards.<sup>5</sup>

The Greens will legislate an ambitious light vehicle efficiency standard of 105g CO<sub>2</sub>/km to be in full effect by 2022, which would roughly match the EU standards in place by 2021. We would design and implement a heavy vehicle efficiency standard and would require Euro 6/VI pollution standards in all new cars and trucks immediately.



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<sup>5</sup> The Conversation, [Emissions standards on cars will save Australians billions of dollars, and help meet our climate targets](#), 16/3/17