

WHAT IS THE ISSUE?

Electrified vehicles are a viable way forward in dealing with transport pollution and preventable diseases caused by air pollution, but uptake in Australia is lower than other developed countries

SIGNIFICANCE OF ISSUE:

“Australia ranked the worst for transport emissions in the developed world in 2018 and has only improved to 3rd to last in 2022”



Photo: <https://unsplash.com/photos/p3liMWxCHKk>

Australia's transport energy efficiency and emissions rank one of the worst in the world. Approximately 3000 people die each year due to preventable diseases associated with exposure to air pollution in Australia.

There has been a relatively steady increase in EV sales is predicted but with it comes challenges that need to be overcome such as the continued erosion of fuel tax excise, the need for improved infrastructure to power generation and delivery, as well as transitional arrangements for businesses currently reliant on ICE vehicles

Increased uptake of EVs will bring environmental, economic, public health and national security benefits to Australia

Urban air pollution is a complex mixture of gases, compounds and particles that can have direct adverse impacts on human health such as respiratory diseases, asthma attacks, heart disease, personal irritations and learning difficulties in children. A complete transition to zero emission vehicles is expected to reduce the occurrence of these adverse impacts very significantly



2-3 KEY USERS:

Ryan lives in Suburban Melbourne and needs a new car

Luke works and stays in Metropolitan Sydney and does not own a car



2-3 POINT OF VIEW STATEMENTS:

Ryan is interested in purchasing an electric vehicle to reduce his carbon footprint but he's worried that there aren't many chargers around and doesn't want to be stranded.

Luke suffers from asthma and often has breathing issues which clear up when he visits family in the country. He thinks that the air pollution in the city is the cause.

KEY IMAGES: (2-3 key images with annotation)



Photo: https://unsplash.com/photos/DiJR_M1Mv_A

Electric vehicles have arrived in the mainstream market and are approaching price parity

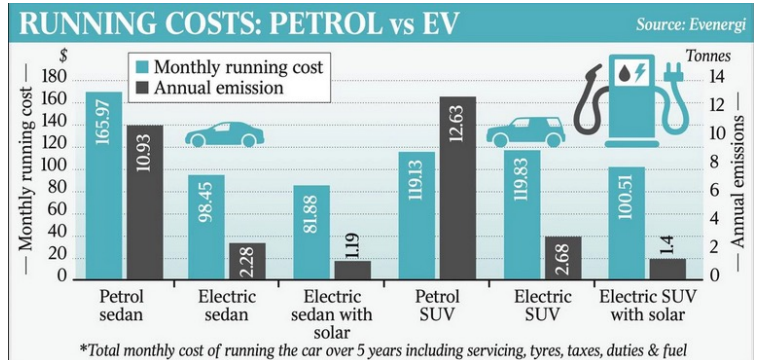


Chart: <https://www.theaustralian.com.au/special-reports/what-evs-cost-to-run-compared-to-petrol-powered-cars/news-story/45eb067025a0519bab792509707a9c50>

Users are starting to analyze the running costs of EVs versus petrol equivalents

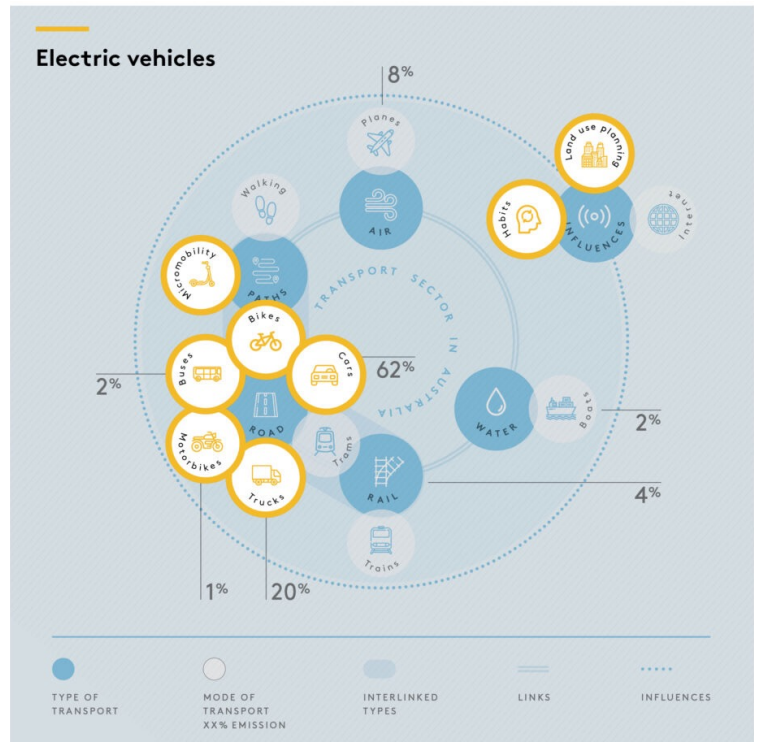


Chart: <https://www.climateworkscentre.org/news/australias-transport-emissions-the-role-of-electric-vehicles-in-reaching-zero-emissions/>
Electrified vehicles are only one part of Australia's plan to achieve zero emissions

INDUSTRY SECTORS:

- Power generation
- Fossil fuel industry
- Automobile industry
- Federal and local government
- Housing and construction

SOURCES OF INFORMATION:

- https://www.aceee.org/sites/default/files/pdfs/2022_International_Scorecard/Australia%2009e-Pager.pdf
- https://www.apb.gov.au/Parliamentary_Business/Committees/Senate/Electric_Vehicles/ElectricVehicles/Report/c03
- <https://www.climatecouncil.org.au/how-australia-can-boost-electric-vehicle-supply/>
- <https://minister.infrastructure.gov.au/c-king/media-release/accelerating-australias-electric-vehicle-potential>
- https://www.infrastructure.gov.au/sites/default/files/migrated/vehicles/environment/forum/files/Climate_Works_and_Electric_Vehicle_Ecosystem.pdf
- <https://www.acf.org.au/zero-emission-vehicles-in-australia>

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