



Western Australian electric vehicle licensing data reports

Notes on methodology



The Department of Transport electric vehicle licensing reports are based on vehicle licence data.

The quality of the data is reliant upon dealerships, companies and individuals providing accurate details about a vehicle at the time that the vehicle is licensed in WA or when the vehicle licence is transferred or renewed.

Only data on licensed light EVs is included in the reports. Data for other vehicle types, such as heavy vehicles and special recreation vehicles, are excluded. This data includes light battery electric vehicles (BEVs) and light plug-in hybrid electric vehicles (PHEVs).

The reports provide figures on the number of EVs licensed in WA by DoT. There may be EVs operating on private property such as mine sites and farms which are not licensed to operate on public roads. These are not included in this data.

The data in the reports is 'point in time' data. This means that:

- New EVs may have been licensed since the previous reporting period.
- Licence details for an EV in a previous reporting period may have changed, e.g. an EV may be licensed to a different postcode after the owner moves house or an EV may have been sold second-hand.
- An EV in a previous reporting period may have been delicensed, e.g. licence transferred to another state or territory, or the EV has been involved in an accident and 'written-off'.

Calculation of the quarterly EV figures uses the following data:

- existing EV licences that have not changed during the quarter (historical frequency)

- new EV licences during the quarter (increases in frequency)
- delicensings during the quarter (reductions in frequency)
- EV licence changes during the quarter (changes in distribution, use type etc. this is used when calculating cohort totals such as the number of EVs licensed in a postcode).

The EV totals published in the quarterly reports, such as cumulative electric vehicle data, take into account all the data listed above. The reports do not include a separate figure for the number of EVs newly licensed during the quarter due to re-calculation, re-identification and privacy risks.

All figures in the quarterly reports provide the totals and sub-totals for EVs licensed in WA on the last day of the quarter.

EV data cleaning and verification methods have improved over time. The accuracy of data reporting has increased through improved verification. Vehicles which could not be verified to be EVs are excluded from the data.

Only data for the use types of business and personal are included. Data for other use types are excluded.

Data is suppressed for EV types which have low uptake in WA due to the risk of reidentifying an individual vehicle, owner or business. fuel cell electric vehicle (FCEV) data is currently excluded due to the low number of licensed FCEVs in WA.

- Hybrid electric vehicles (HEVs) are not included in this data, in line with the definition and intent of the [State EV Strategy for Western Australia](#)
- Since March 2024, the reports refer to 'vehicle licence data' in preference to 'vehicle registration data.'