



Government of **Western Australia**  
Department of **Transport**

Empowering a  
thriving *community*

# Western Australian Electric Vehicle Analysis Summary

September 2023 Quarter





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## Acknowledgment of Country

The Department of Transport acknowledges the traditional custodians of the land throughout Western Australia and pays our respects to Elders past and present and future.

We acknowledge the members of all Aboriginal communities, their cultures and continuing connection to Country throughout the State.

## About this Report

The information contained in this publication is provided in good faith and believed to be accurate at time of publication.

The State shall in no way be liable for any loss sustained or incurred by anyone relying on the information.

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## Alternative formats

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## 1. Introduction

This report provides figures on the number of electric vehicles (EVs) registered in Western Australia (WA) by the Department of Transport (DoT) and denotes trends in the uptake of EVs. 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 registered in WA or when the vehicle registration is transferred or renewed.

As part of ongoing investigations into the provision of data released for the September quarter, there are changes to the summary. Work to continually improve the summary content is ongoing following feedback from our internal and external stakeholders. The September summary has abridged the level of information provided, whilst the information is considered. The Transport Reform Team within DoT continually seeks to improve the methodology used for the summary to improve the quality of data. As part of this improvement, pre-2015 manufactured EVs are included within the September quarterly registration numbers.

## 2. September Quarter Western Australian Electric Vehicle Trends

### 2.1. Electric Vehicle Registrations

Overall, there was a continuing upward trend in EV registrations. In the September 2023 quarter there was a total of 2,023,876 light vehicles registered in WA. Of this 14,076 were light EVs, which made up approximately 0.70 percent of total light vehicle registrations. There were 12,665 Battery Electric Vehicles (BEVs) and 1,411 Plug-In Hybrid Electric Vehicles (PHEVs). BEVs increased by 25.87 percent (2,603 registrations) and PHEVs increased by 30.05 percent (326 registrations) from the previous quarter.

### Electric Vehicle Use – Personal versus Business Use

Personal use remained the most prominent use-type for EVs in the September 2023 quarter. Of the total number of light EV registrations there were 76.96 percent registered for personal use and 23.04 percent registered for business use. Some 10,833 EVs were registered for personal use, comprising of 9,777 BEVs and 1,056 PHEVs. There were 3,243 EVs registered for business use, comprising of 2,888 BEVs and 355 PHEVs.

Figure 1: Cumulative electric vehicle data December 2021 – September 2023



## 2.2. Electric Vehicle Postcode Locations

The top twenty-five postcode locations of EV registrations in the September 2023 quarter are listed in Figure 3. The top five postcode locations were 6155, 6164, 6018, 6065 and 6153.

**Figure 3: Top 25 postcode locations for electric vehicles in the September 2023 quarter**

P/code	Suburb Locality	Total
6155	Canningvale/Willemton	412
6164	Atwell/Aubin Grove/Banjup/Beeliar/Cockburn Central/Hammond Park/Jandakot/South Lake/Success/Treeby/Yangebup	392
6018	Churchlands/Doubleview/Gwelup/Innaloo/Karrinyup/Woodlands	389
6065	Ashby/Darch/Gnangara/Hocking/Landsdale/Madeley/Pearsall/Sinagra/Tapping/Wangara/Wanneroo	380
6153	Applecross/Ardross/Brentwood/Mount Pleasant	342
6009	Crawley/Dalkeith/Nedlands	333
6112	Armadale/Bedforddale/Brookdale/Forrestdale/Harrisdale/Haynes/Hilbert/Mount Nasura/Mount Richon/Piara Waters/Seville Grove	324
6010	Claremont/Mount Claremont/Swanbourne	300
6163	Bibra Lake/Coolbellup/Hamilton Hill/Hilton/Kardinya/North Coogee/North Lake/O'Connor/Samson/Spearwood	290
6014	Floreat/Jolimont/Wembley	269
6008	Daglish/Shenton Park/Subiaco	260
6152	Como/Karawara/Manning/Salter Point/Waterford	257
6020	Carine/Marmion/North Beach/Sorrento/Watermans Bay	240
6210	Coodanup/Dudley Park/Erskine/Falcon/Greenfields/Halls Head/Madora Bay/Mandurah/Meadow Springs/San Remo/Silver Sands/Wannanup	228
6105	Cloverdale/Kewdale/Perth Airport	223
6156	Attadale/Melville/Willagee	216
6027	Beldon/Connolly/Edgewater/Heathridge/Joondalup/Ocean Reef	211
6050	Coolbinia/Menora/Mount Lawley	200
6017	Osborne Park	200
6107	Beckenham/Cannington/East Cannington/Kenwick/Queens Park/Wattle Grove/Wilson	194
6011	Cottesloe/Peppermint Grove	192
6055	Brabham/Bushmead/Caversham/Dayton/Guildford/Henley Brook/South Guildford/West Swan	187
6021	Balcatta/Stirling	179
6100	Burswood/Lathlain/Victoria Park	178
6025	Craigie/Hillarys/Kallaroo/Padbury	178

### 3. Conclusion

EV registration numbers continued an upward trend in the September 2023 quarter, totalling 14,076 registrations. EV registration numbers at the end of the September quarter equated to 0.70 percent of the total light vehicle registration numbers in WA. BEVs increased by 25.87 percent and PHEVs by 30.05 percent from the previous quarter. Personal use remained the most prominent use-type at 76.96 percent, compared to business use at 23.04 percent of total EV registrations. The top five postcode locations were 6155, 6164, 6018, 6065 and 6153.



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