



Government of Western Australia
Department of Transport

Empowering a
thriving community

Western Australian Electric Vehicle Analysis Summary

December 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 December 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 December summary has condensed the level of information provided, whilst the content is considered.

2. December Quarter Western Australian Electric Vehicle Trends

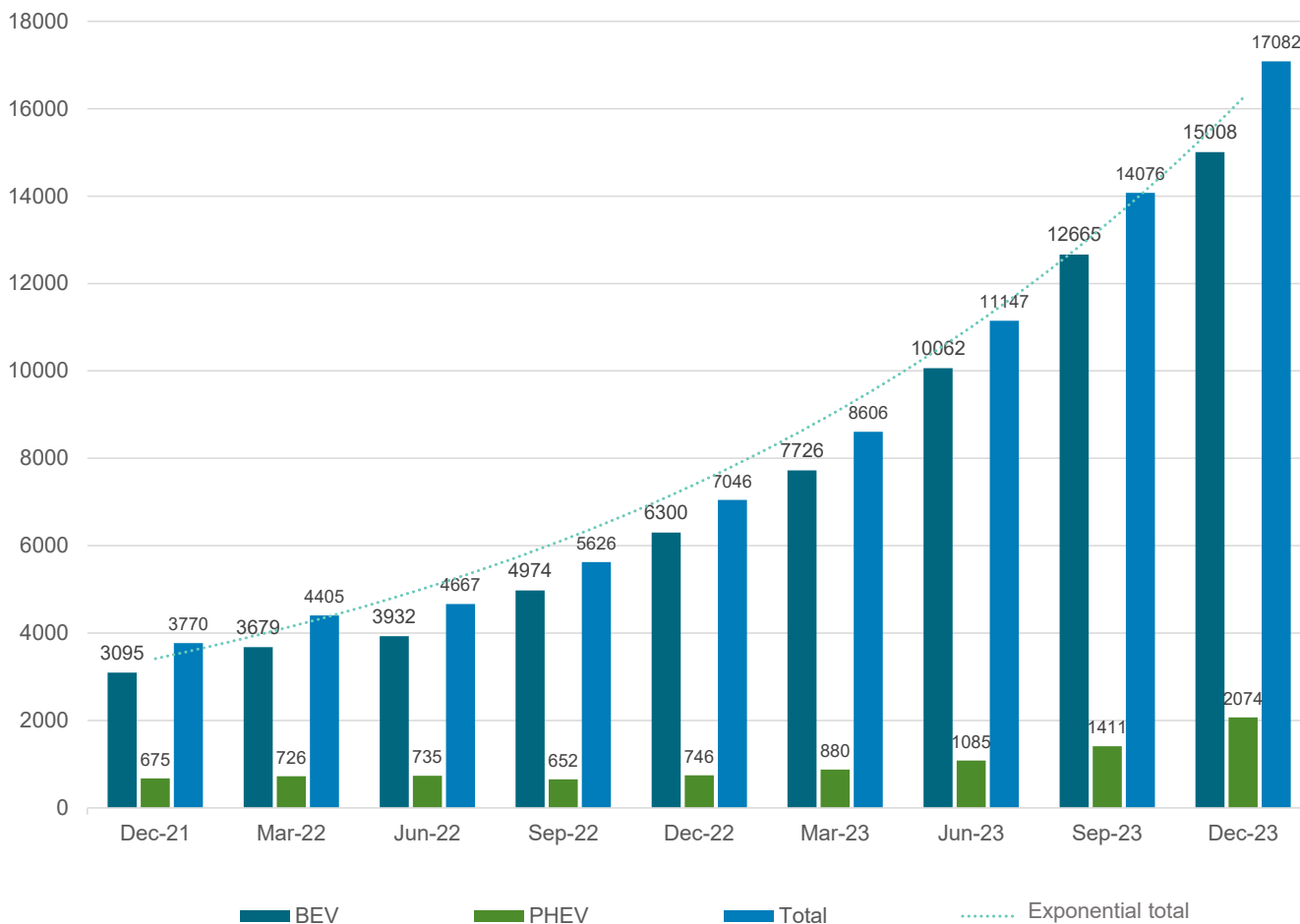
2.1. Electric Vehicle Registrations

Overall, there was a continuing upward trend in EV registrations. In the December 2023 quarter there was a total of 2,043,331 light vehicles registered in WA. Of this 17,082 were light EVs, which made up approximately 0.84 percent of total light vehicle registrations. There were 15,008 Battery Electric Vehicles (BEVs) and 2,074 Plug-In Hybrid Electric Vehicles (PHEVs). BEVs increased by 18.50 percent (2,343 registrations) and PHEVs increased by 46.99 percent (663 registrations) from the previous quarter.

2.2. Electric Vehicle Use – Personal versus Business Use

Personal use remained the most prominent use-type for EVs in the December 2023 quarter. Of the total number of light EV registrations there were 77.36 percent registered for personal use and 22.64 percent registered for business use. Some 13,215 EVs were registered for personal use, comprising of 11,681 BEVs and 1,534 PHEVs. There were 3,867 EVs registered for business use, comprising of 3,327 BEVs and 540 PHEVs.

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



2.3. Electric Vehicle Postcode Locations

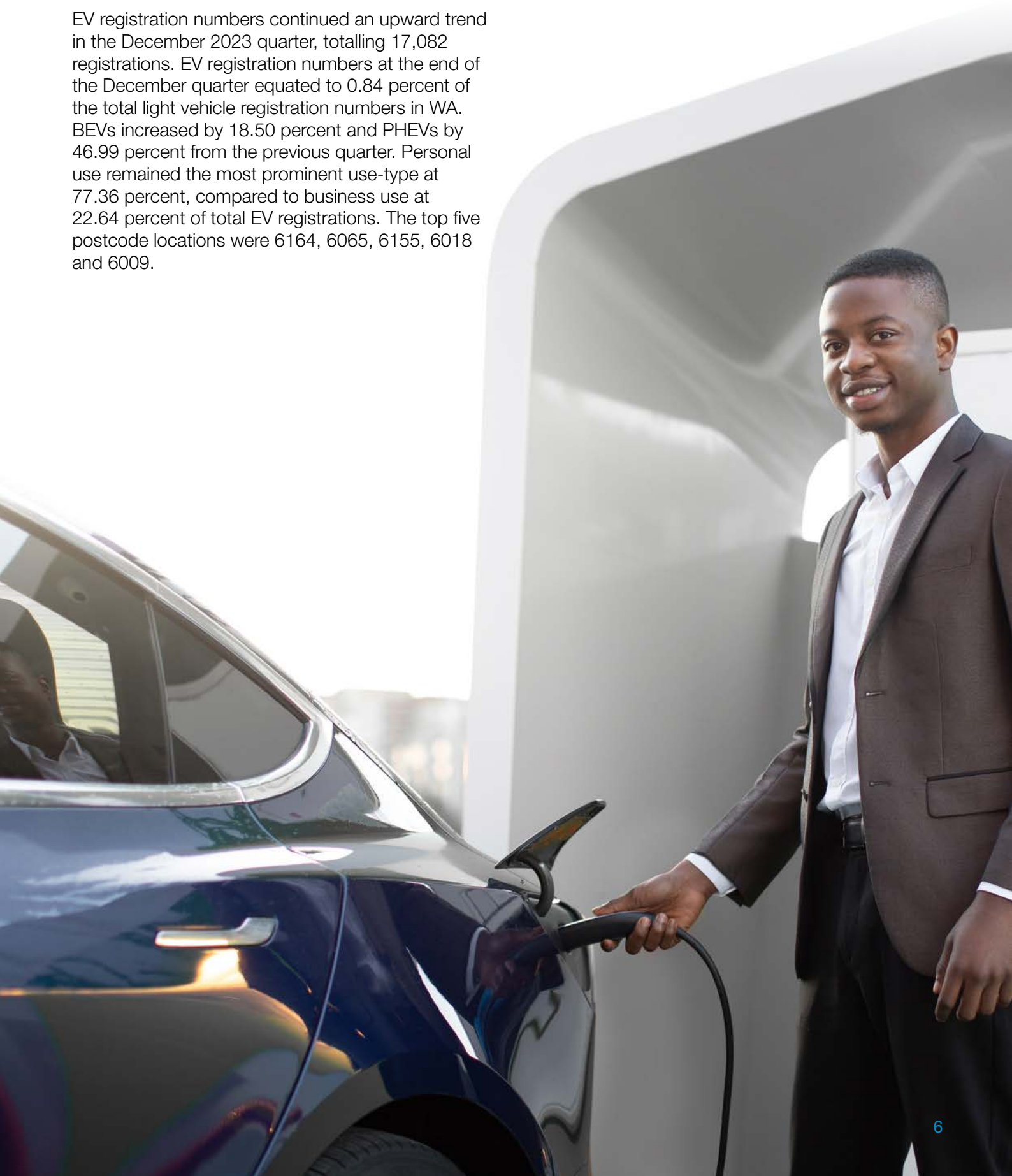
The top twenty-five postcode locations of EV registrations in the December 2023 quarter are listed in Figure 3. The top five postcode locations containing the greatest number of EV registrations were 6164, 6065, 6155, 6018 and 6009.

Figure 2: Top 25 postcode locations for electric vehicles in the December 2023 quarter

P/code	Suburb Locality	Total
6164	Atwell/Aubin Grove/Banjup/Beeliar/Cockburn Central/Hammond Park/Jandakot/South Lake/Success/Treeby/Yangebup	480
6065	Ashby/Darch/Hocking/Landsdale/Madeley/Pearsall/Sinagra/Tapping/Wangara/Wanneroo	478
6155	Canning Vale/Canning Vale South/Willetton	477
6018	Churchlands/Doubleview/Gwelup/Innaloo/Karrinyup/Woodlands	464
6009	Broadway Nedlands/Crawley/Dalkeith/Nedlands	400
6153	Applecross/Applecross North/Ardross/Brentwood/Canning Bridge Applecross/Mount Pleasant	398
6112	Armadale/Bedforddale/Brookdale/Doobarda/Forrestdale/Harrisdale/Haynes/Hilbert/Mount Nasura/Mount Richon/Piara Waters/Seville Grove/Wugong	388
6163	Bibra Lake/Coolbellup/Hamilton Hill/Hilton/Kardinya/North Coogee/North Lake/O'Connor/Samson/Spearwood	357
6010	Claremont/Claremont North/Karrakatta/Mount Claremont/Swanbourne	350
6014	Floreat/Jolimont/Wembley	317
6152	Como/Karawara/Manning/Salter Point/Waterford	303
6105	Cloverdale/Kewdale/Perth Airport	295
6008	Daglish/Shenton Park/Subiaco/Subiaco East	289
6020	Carine/Marmion/North Beach/Sorrento/Watermans Bay	285
6210	Coodanup/Dudley Park/Erskine/Falcon/Greenfields/Halls Head/Madora Bay/Mandurah/Mandurah East/Mandurah North/Meadow Springs/San Remo/Silver Sands/Wannanup	282
6027	Beldon/Connolly/Edgewater/Heathridge/Joondalup/Mullaloo/Ocean Reef	252
6156	Attadale/Melville/Willagee	251
6017	Herdsmen/Osborne Park	246
6107	Beckenham/Cannington/East Cannington/Kenwick/Queens Park/Wattle Grove/Wilson	237
6050	Coolbinia/Menora/Mount Lawley	234
6000	Perth	227
6055	Brabham/Bushmead/Caversham/Dayton/Guildford/Hazelmere/Henley Brook/South Guildford/West Swan	225
6021	Balcatta/Stirling	223
6011	Cottesloe/Peppermint Grove	215
6069	Aveley/Belhus/Brigadoon/Ellenbrook/The Vines/Upper Swan	215

3. Conclusion

EV registration numbers continued an upward trend in the December 2023 quarter, totalling 17,082 registrations. EV registration numbers at the end of the December quarter equated to 0.84 percent of the total light vehicle registration numbers in WA. BEVs increased by 18.50 percent and PHEVs by 46.99 percent from the previous quarter. Personal use remained the most prominent use-type at 77.36 percent, compared to business use at 22.64 percent of total EV registrations. The top five postcode locations were 6164, 6065, 6155, 6018 and 6009.



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