



Queensland's Zero Emission Vehicle Strategy - Action Plan (2022–2024)





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Introduction

The Department of Transport and Main Roads and the Department of Energy and Public Works are leading the Queensland Government's Zero Emission Vehicle (ZEV) Strategy. The strategy sets out the vision and strategic direction to accelerate ZEV uptake and support industry and supply capability in Queensland to reduce greenhouse gas emissions and support the growth of clean renewable energy.

This first ZEV Action Plan 2022–24 provides the strategy's initial steps to help Queenslanders enjoy the benefits of an integrated energy and transport system across all zero emission technologies and vehicle modes. It sets out the initiatives that the Queensland Government will progress over the next two years to increase the rate of ZEV uptake across Queensland communities and businesses.

With immediate and meaningful action on climate change needed today, this action plan will ensure that the transport and energy sectors work collectively to maximise the potential emissions reduction. It is more important than ever that the Queensland Government works in partnership with communities, businesses and industry to drive this transition to ZEVs through collaborative, genuine engagement and strong leadership.

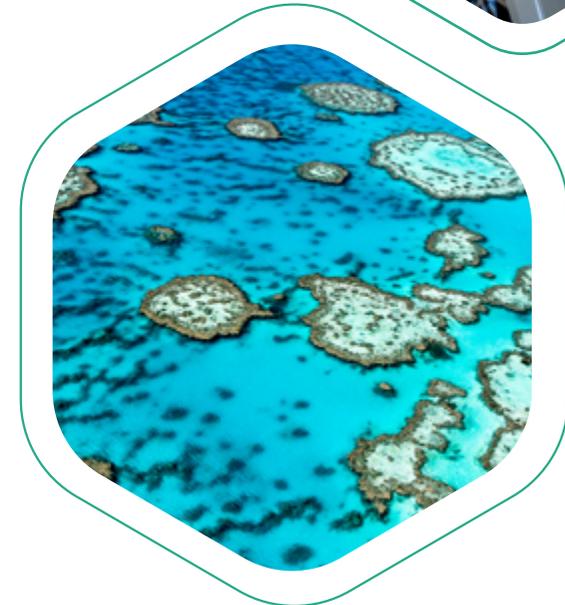
We will shift to ZEVs by transitioning our Government fleet, buses used on the TransLink network and other vehicles to zero emission technologies, advocate at the national level for greater leadership on ZEV policy action and make Queensland buildings ready for ZEV infrastructure.

We will support Queenslanders to purchase ZEVs with upfront purchase subsidies, support fleets transition to ZEVs, and continue the rollout of charging and refuelling infrastructure across our great and diverse state.

We will drive investment in renewable energy across Queensland through the seamless integration of ZEVs into our energy grid, by providing industry with certainty on future vehicle uptake, network opportunity and analysis tools, and optimise charging times through fair and appropriate tariffs.

We will partner with industry to trial new technologies across all vehicle segments including light commercial, heavy vehicles and maritime, while also supporting the manufacturing and recycling of batteries and other ZEV components in Queensland.

We will review and update successive action plans, so that we not only continue to respond to the key ZEV trends in Queensland, but also across Australia and internationally.



Actions 2022–2024

1) Encouraging cleaner, greener transport modes



Action	Description	Lead Agency	Mode / Sector
ZEV purchase subsidies	ZEV incentives for Queenslanders.	TMR	Private vehicles (excluding Fleets)
ZEV fleet support	Investigate opportunities to increase fleet uptake of ZEVs.	TMR	Public fleet vehicles
Qld ZEV Industry Trial Fund	Leverage partnerships to explore opportunities to trial ZEVs in (currently) low technology maturity transport modes such as, but not limited to, light commercial, heavy vehicles and maritime craft.	TMR	Light commercial, heavy vehicles and maritime
Specialised ZEV trials in Queensland Government fleet	Investigate zero emission light commercial vehicles and heavy vehicles opportunities in Queensland Government fleets (where operationally appropriate) with specialist operational or service delivery roles.	TMR	Queensland Government fleet (QFleet) vehicles with operational focus.
QFleet future target	Mandate to replace all eligible government fleet vehicles with EVs as current leases expire, and, where a suitable EV alternative is available and appropriate for business needs.	DEPW (QFleet)	QFleet

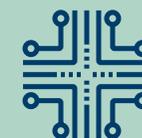
2) Building ZEV manufacturing and supply chain capability



Action	Description	Lead Agency	Mode / Sector
ZEV Industry Roadmap	Develop a roadmap for Queensland ZEV research, innovation, manufacturing, supply chains, and future skills training and accreditation.	DRDMW	Business development
Recycling and industry opportunities	Investigate opportunities to improve management of end-of-life vehicles and implement activities aimed at repurposing internal combustion engine vehicle and zero emission vehicle components.	DES	All vehicle modes



3) Facilitating supportive ZEV infrastructure



Action	Description	Lead Agency	Mode / Sector
Queensland Electric Super Highway Phase 3	Deliver Queensland Electric Super Highway Phase 3.	TMR, EQL (Yurika)	Light vehicles
ZEV Public Charging Infrastructure	Consider appropriate targets for charging infrastructure and other Distributed Energy Resources (DER) ready capability at Queensland Government publicly owned sites and facilities with charging to include associated retail tariff design, to deliver low-cost charging availability during the day when cheap, high quality solar energy is available. This will include modelling and analysis to understand charging demand on networks to inform coordination and deployment of charging infrastructure.	DEPW	Light vehicles Energy
Qld ZEV charging infrastructure	Investigate options for public ZEV charging infrastructure across Queensland and explore possible partnership opportunities with local government and private industry.	TMR DEPW EQL	All vehicle modes (industry and local government eligible)
Charging infrastructure connections and planning for investment	Develop resources (e.g. visibility tools and other guidance/information) to help provide investment signals and stimulate/facilitate third party investment in, and planning of, appropriate charging infrastructure.	DEPW EQL	Nil
Qld buildings to be ZEV ready	Investigate and update relevant codes and regulations for new homes and buildings to have charging capability to be ZEV ready. Provide appropriate advice to local governments, developers and building owners or operators on charging retrofitting requirements for existing buildings.	DEPW	Building and construction (new homes and buildings) Relevant electrical organisation (retrofitting homes and buildings)
BEV Charging Infrastructure Guidelines	Provide local government planning and development guidance on electric vehicle charging infrastructure.	DSDILGP	Energy and planning

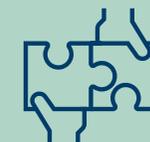
4) Driving towards renewables and smart charging



Action	Description	Lead Agency	Mode / Sector
Tariffs selection	Develop appropriate consumer and business tariffs and information to select most appropriate tariff.	DEPW	Energy
Tariff awareness	Raise awareness with consumers to understand optimal charging times and how tariffs will change to reward that behaviour and support 50% renewable energy target.	DEPW	Energy
Queensland hydrogen for transport	Explore optimal refuelling station locations to create a Queensland hydrogen superhighway.	DEPW	All vehicle modes



5) Partnerships, innovation and advocacy



Action	Description	Lead Agency	Mode / Sector
ZEV events and information	Encourage local governments, industry and other organisations to promote ZEV technology and adoption, including QFleet showcases.	DEPW (QFleet)	Advocacy
ZEV Maritime Safety Queensland vessel fleet	Partner with industry to test hydrogen as an alternative fuel for Maritime Safety Queensland vessel fleet.	TMR	Maritime
National advocacy	Continue working with states and territories to participate in reform processes to enable and encourage the adoption of ZEVs and ensure transport network funding sustainability.	TMR (Treasury)	Advocacy
ZEV priority parking and charging access	Work with local government and industry to explore appropriate penalties to maximise compliant use of dedicated ZEV parking spaces, and charging and refuelling infrastructure for ZEVs.	TMR	All vehicle modes

