



New Zealand's transition to Net Zero by 2050

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Agenda

01 Drive Electric background

02 Update on relevant New Zealand Government policies

03 Who is the EECA? (Energy Efficiency and Conservation Authority)

04 What's happening with New Zealand Fleets

05 Q&A



About Drive Electric

- Drive Electric **champions e-mobility** and the decarbonisation of New Zealand's transport sector.
- Our **members** represent a cross section of the e-mobility ecosystem in NZ.
We engage in **advocacy**,
- **collaboration and communications.**
We host New Zealand's **leading electric vehicle website.**

By the numbers:

100+

**Member
businesses**

35

**Vehicle
brands**

27

**Energy and
Charging**

25

**Retail and
fleet**

17

**Finance, B2B
and consumer**

20+

**Ministers / MPs
engaged
in 12 months**

1,500

**Daily
website views**

6

**Policy
submissions
in 12 months**

5

**Events
in 12 months**

12

**Board members
with key positions of
influence in transport,
infrastructure and
sustainability**

6,121

**Monthly EDM
subscribers**

#1

**Organic ranking
on Google search for
"electric vehicles NZ"**





**Battery electric vehicles
are projected to make up
20% of global light
vehicle sales in 2025,
and 59% in 2035**

Source: Boston Consulting Group

New Zealand Emissions Reduction Plan - Transport



New Zealand Climate Change Targets



Domestic targets under the Climate Change Response Act (CCRA).

- Net zero emissions of all Greenhouse Gases other than biogenic methane by 2050.
- 24 to 47% reduction below 2017 biogenic methane emissions by 2050.
- 10 % reduction below 2017 biogenic methane emissions by 2030.

First emissions reduction plan launched in May 2022.

Debate continues around pursuing 100% renewable electricity by 2035 - currently NZ achieves 80-85%



New Zealand 's Four Targets for Transport

The Government is also committing to 4 targets for transport:

Target 1: Reduce the light fleet total Vehicle Kilometres Travelled (VKT) by 20% by 2035 through improved urban form and providing better travel options, particularly in our largest cities.

Target 2: Increase zero-emissions vehicles to 30% of the light fleet by 2035.

Target 3: Reduce emissions from freight transport by 35% by 2035.

Target 4: Reduce the emissions intensity of transport fuel by 10% by 2035.



Transport sector emissions in New Zealand

2nd Largest

**source of
greenhouse gas
emissions**

17%

**of NZ's
total
emissions**

39%

**of NZ's CO₂
Emissions**



Transport Targets in New Zealand's first Emissions Reduction Plan

The Emissions Reduction Plan
sets these targets for transport by 2035:

Reduce total
kilometres travelled
by the light fleet by

20%



The Emissions Reduction Plan
sets these targets for transport by 2035:

Increase
zero-emissions
vehicles to
30%
of the light vehicle fleet



The Emissions Reduction Plan
sets these targets for transport by 2035:

Reduce emissions
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The Emissions Reduction Plan
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Reduce the
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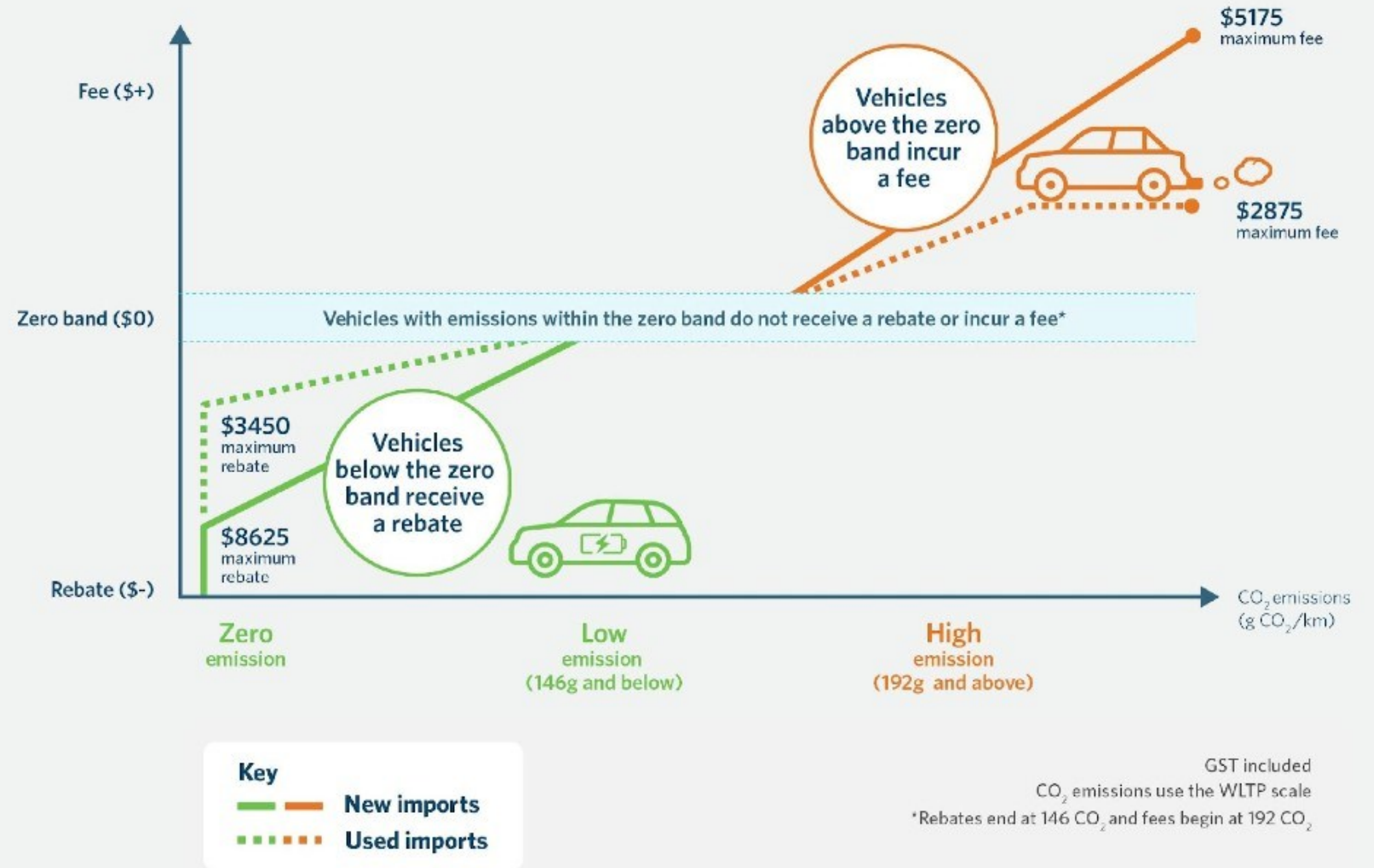


The Clean Car Discount for consumers

Clean Car Programme
 Up to \$8,625 for new EVs under \$80,000 and up to \$3,450 for used EVs being registered in New Zealand for the first time.

Source: MOT

Clean Car rebates and fees from 1 April 2022

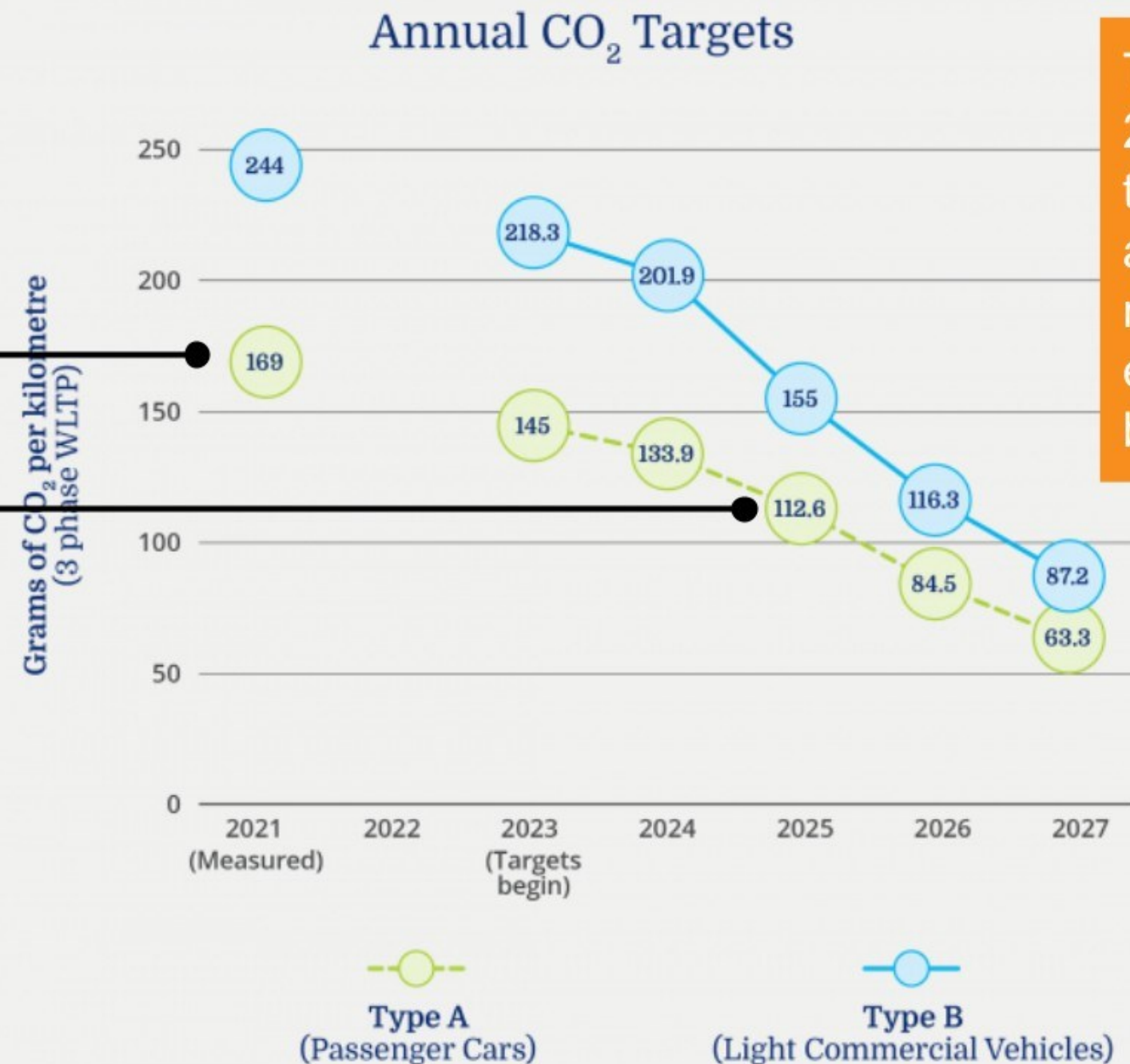


Most cars have a variety of models with different CO₂ emissions so the rebates and fees will differ. Check a specific vehicle's CO₂ emissions and rebate/fee www.rightcar.govt.nz

The Clean Car Standard for importers

The Clean Car Discount contributed to a 15% reduction from new imported vehicles already.

The EU exceeded the 2025 standard in 2020. We are confident this is achievable.



The targets in 2026/2027 are tough - but we advocated for a review in 2024 to ensure they can be met.

Comparison of International Electric Vehicle new passenger car sales

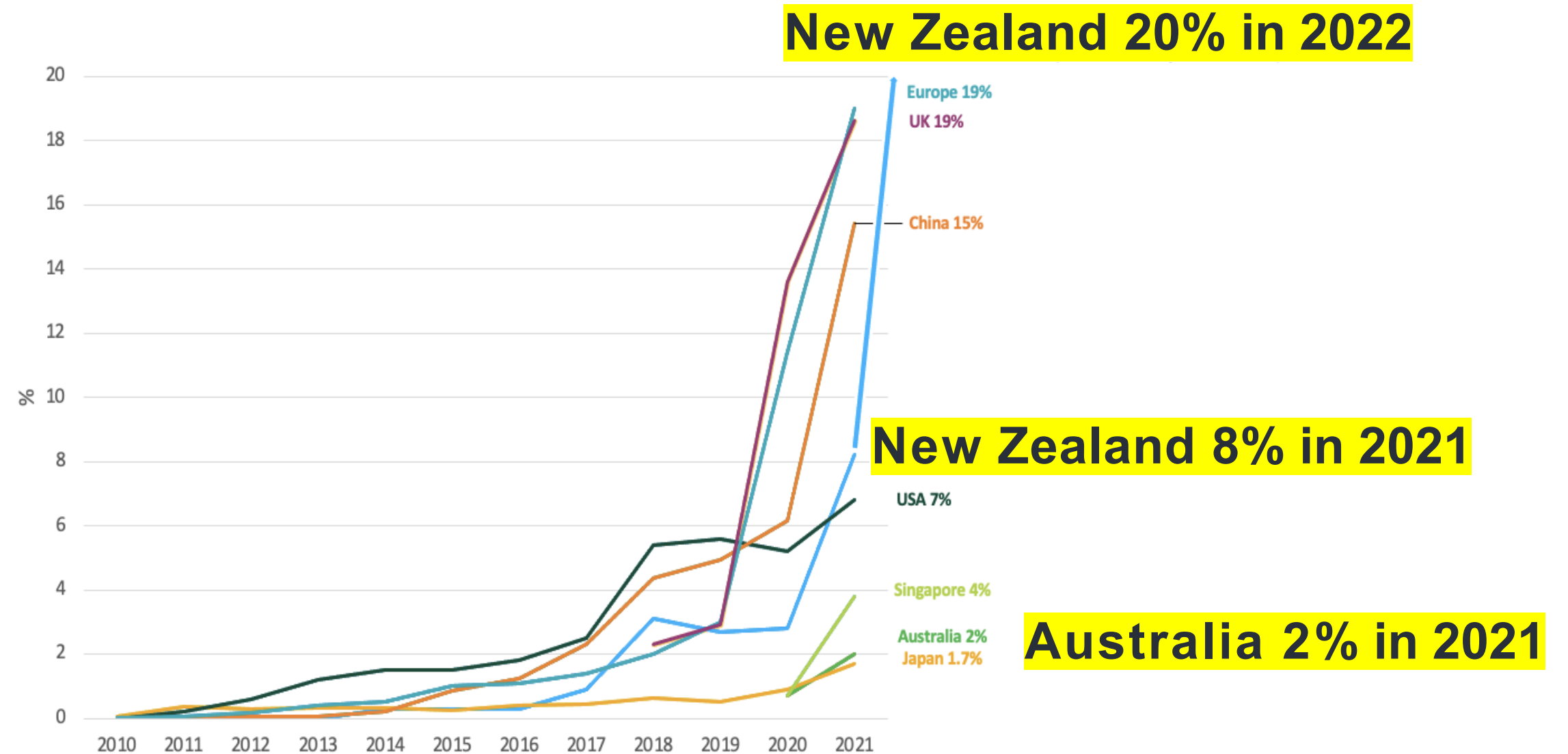
Comparison of International Electric Vehicle new passenger car sales by market share 2010 to 2021 (BEV + PHEV)

September 2022

9,611 EVs registered

65% increase in registrations

From 2021 to 2022

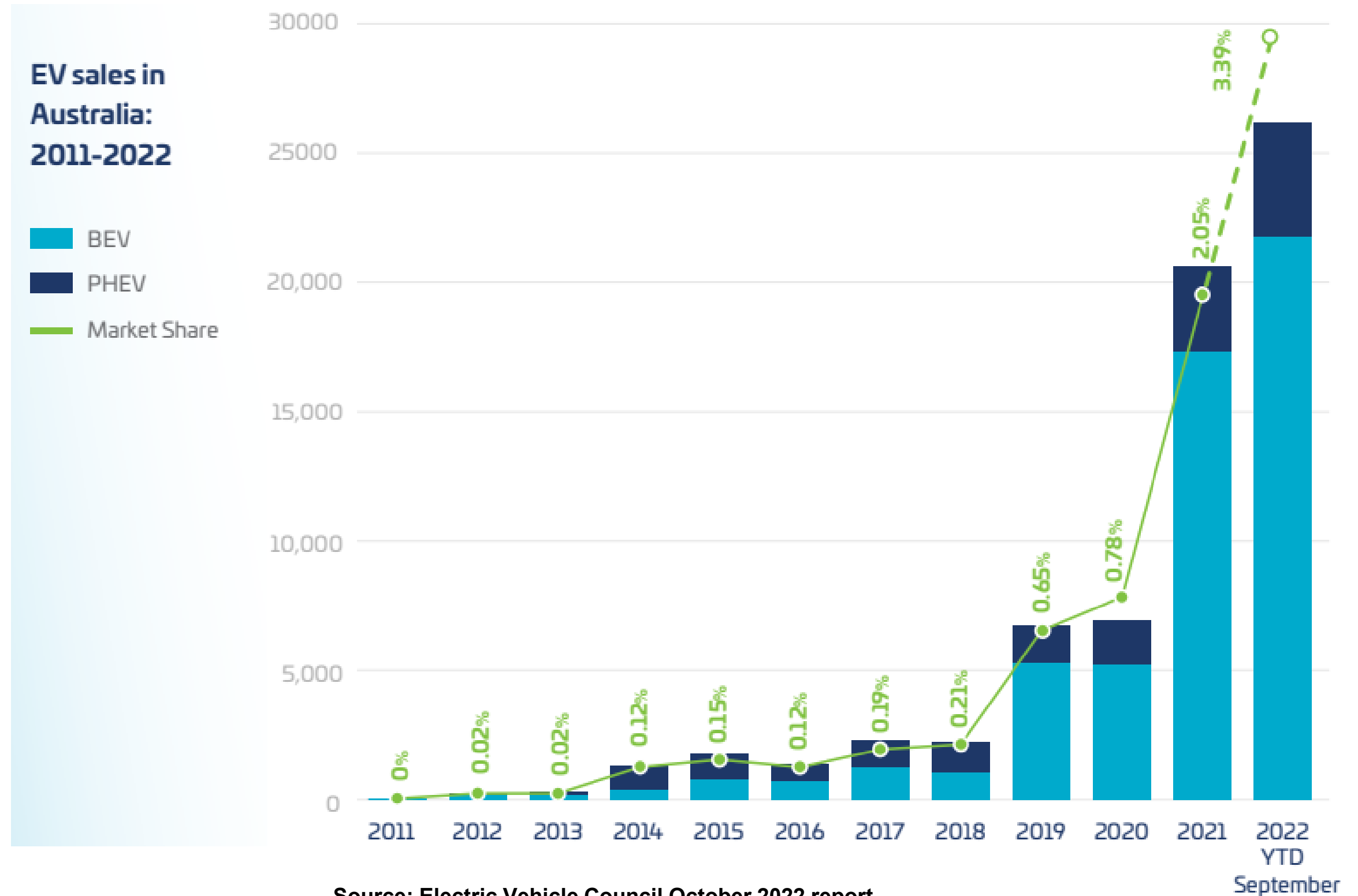


How does Australia compare?

Jan to September 2022, 26,356 EVs were sold.

The share of new EVs sold in Australia increased to 3.39% (YTD September 2022), compared to 2.05% in 2021.

65% increase in the market share of electric vehicle sales so far in 2022.



Who is EECA?

Energy Efficiency and
Conservation Authority

EECA'S role:
To mobilise
Kiwis

Their Purpose

Mobilise New Zealanders to be world leaders in clean and clever energy use.

Their Desired Outcome

A sustainable energy system that supports the prosperity and wellbeing of current and future generations.

Strategic Focus Areas:



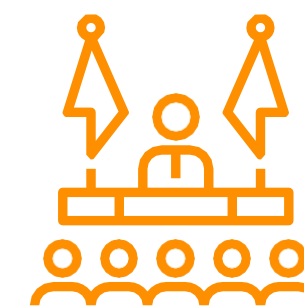
**Productive and
low-emissions
business**



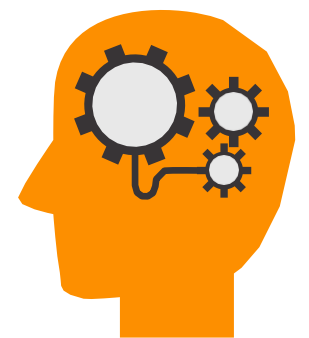
**Efficient and
low-emissions
transport**



**Energy efficient
homes**



**Government
leadership**



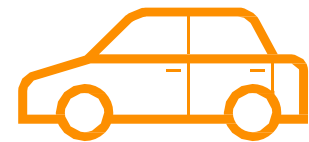
**Engage
hearts and
minds**



Co-funding: Low Emissions Transport Fund

Strategic Focus Areas:

13	226	\$42.2M	\$128M	1278
Funding rounds	Projects	Government co-funding	Total project value	EV chargers co-funded



Car Share



Delivery Vans



Battery Refurbishments



Induction Charging



Bus Fleets



Heavy Trucks



Upskilling the workforce

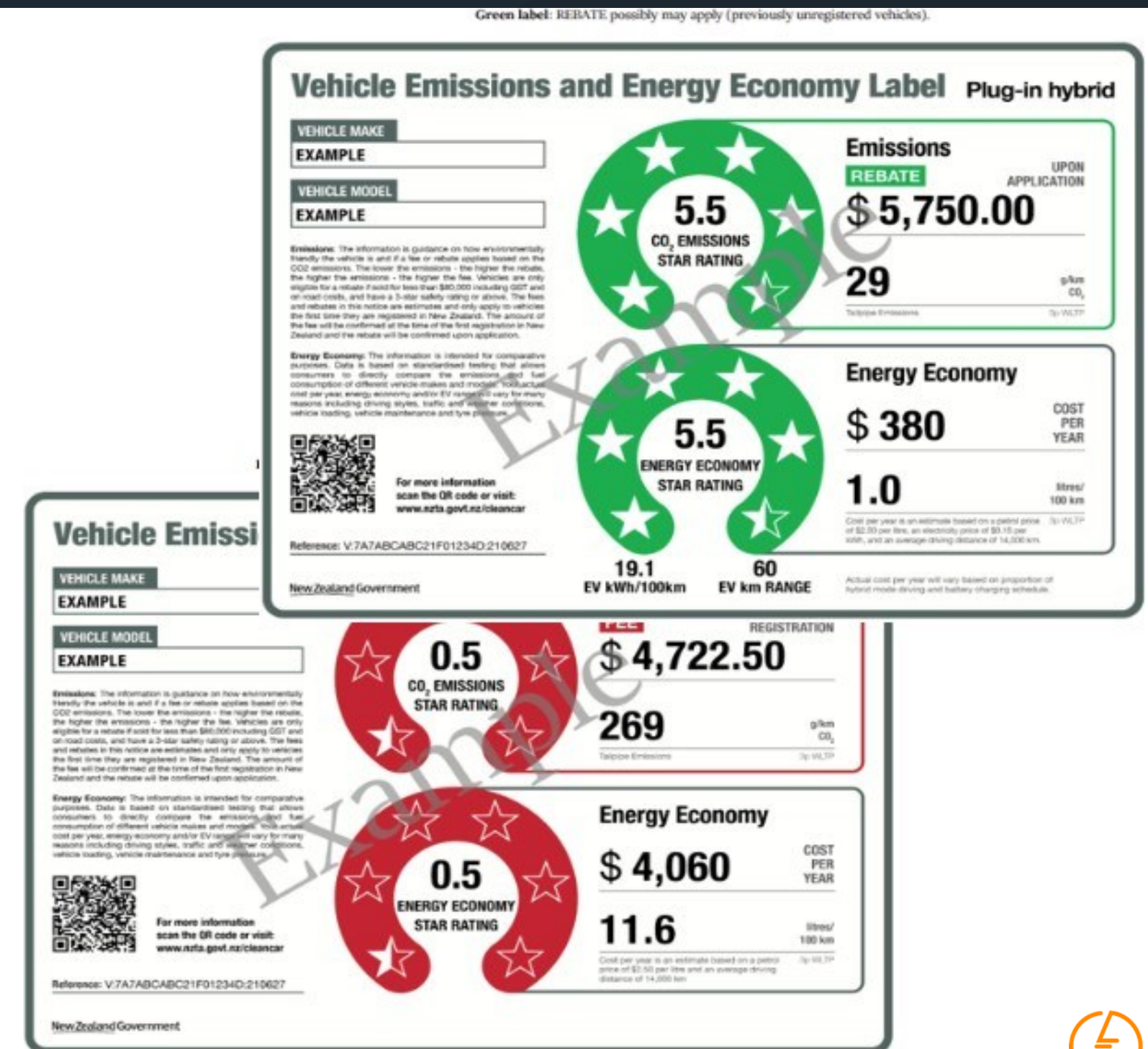


E-bike Storage




VEEL: Driving uptake of low emissions options

- Choosing a more energy efficient vehicle is one of the most effective ways to encourage reduction of greenhouse gas emissions.
- Under regulations, motor vehicle traders must display a Vehicle Emissions and Energy Economy Label on cars, utes and vans they are selling that weigh <3.5 tonnes.
- The more stars, the more energy efficient.



All drivers need
**confidence in
access to chargers**

A person wearing a grey jacket is holding a white charging cable. The background is a blurred outdoor setting. The text is overlaid on the left side of the image.

Consider the provision of fast public light EV charging infrastructure in the short-term (about 5 years)

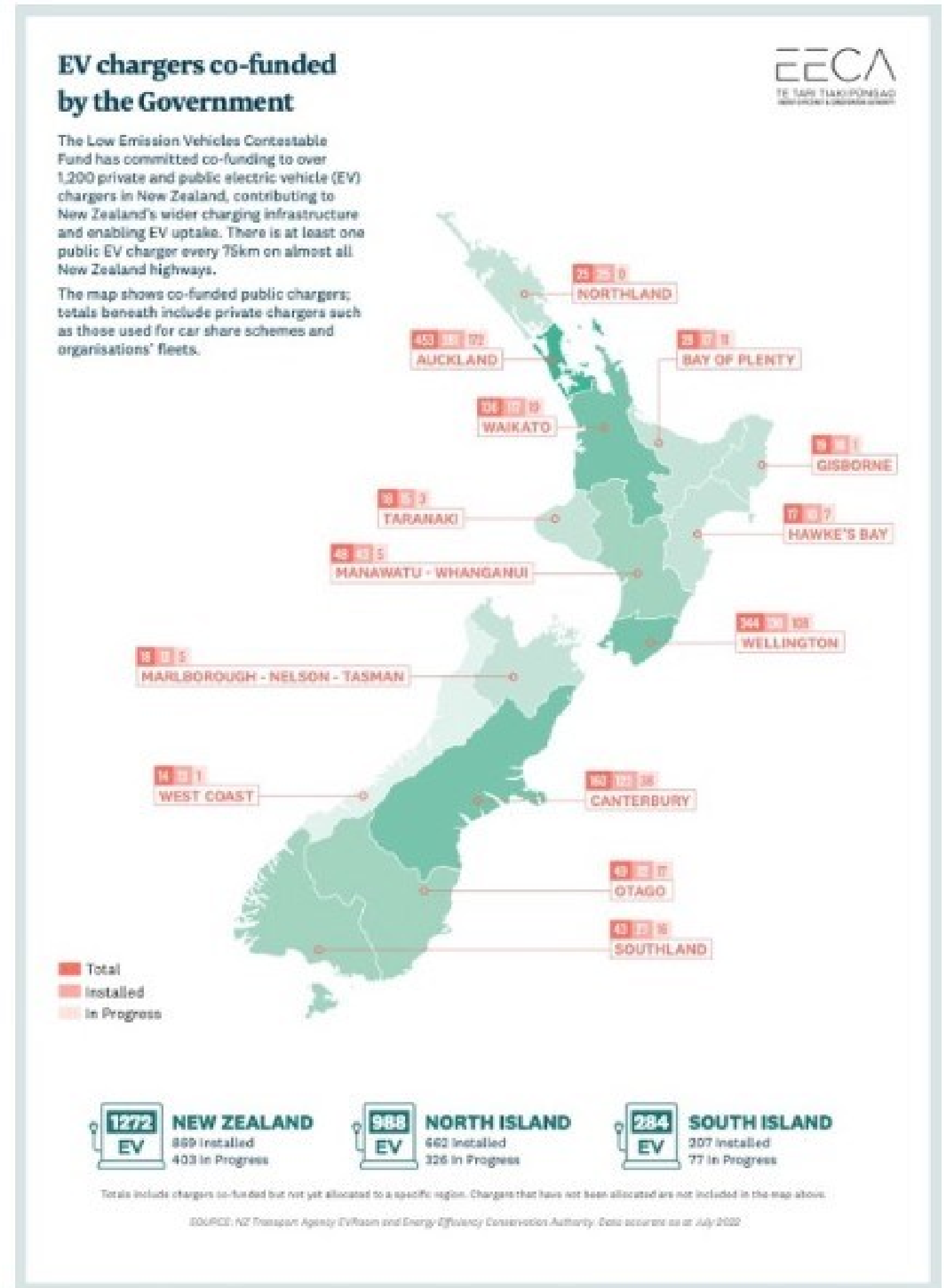
- Approaches for identifying locations and how to prioritise
- How the Government (and EECA specifically) is planning to approach investment in public EV charging infrastructure
- Address the most immediate needs to support light EV uptake by New Zealand road users
- Consideration is given to accommodate heavy freight charging at suitable locations
- Establish a new vision to meet the growing fleet of light and heavy EVs
- EV drivers are able to charge



Our state highways
now have chargers
every 75km

Recent announcement of
final gaps contracted,
in place by May 2023:

- Harihari (SH6)
- Haast (SH6)
- Kohatu (SH6)
- St Arnaud (SH63)
- Springs Junction (SH7/65)



Journey Charging Sites

- Conveniently located
- Familiar services
- Designed to eliminate queues
- Future-proofed
- Located between main centres
- 150-200km spacing
- Up to 20 simultaneous charges
- Billing Roaming
- Accommodate commercial vehicles and trailers



New Zealand Fleets



Government Fleets - mandate change



The programme's aim is to make several organisations within the public sector carbon neutral from 2025. It was launched in December 2020.

Carbon Neutral Government Programme (CNGP) participants should:

- Measure, verify and report their emissions annually.
- Set gross emissions reduction targets and longer-term reduction plans.
- Introduce a plan to reduce their organisation's emissions.
- Offset remaining gross emissions from 2025 to achieve carbon neutrality.

One immediate priority will be to reduce emissions by:

- Optimising the size of agencies' car fleets and purchasing electric vehicles or plug-in hybrids if a full electric is not appropriate, unless this is not possible due to operational requirements.



Fleets & Business

Past: ICE fleets and commercial vehicles focus – Fit for purpose, TCO, little regard for CO2 emissions.

Current:

- Sustainability goals (CO2 emissions reduction) and government backing is driving fleets towards electric.
- Fleet optimisation and de-fleeting.
- “Fit for purpose” under scrutiny (WOL, CO2 emissions).
- Charging infrastructure complex with new entrants.
- PHEV safe “halfway house” option for many businesses.
- Education for drivers and EV trials for employees.

Future: Widespread EV adoption, innovative charging solutions for businesses, new mobility models (SIXT and Zilch).





**DRIVE
ELECTRIC**

Thank You

See more at:

<https://environment.govt.nz/publications/aotearoa-new-zealands-first-emissions-reduction-plan/transport/>

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