

Low Emission Vehicles Contestable Fund

Project Descriptions

Charging infrastructure

1. Central Otago District Council **\$76,500**

Electrification of the Central Otago Touring Route

Central Otago District Council, in collaboration with ChargeNet NZ Ltd, will install two public 50kW DC fast chargers to unlock affordable electric transport choices for tourists, residents, and organisations serving rural communities along the Central Otago Touring Route - 394km of stunning natural and cultural attractions from Queenstown to Dunedin via the Strath Taieri and the Maniototo.

2. ChargeNet NZ Ltd **\$39,000**

Closing a gap - Eketahuna

ChargeNet NZ Ltd will install a public 50kW DC fast electric vehicle charger in the North Island at Eketahuna, filling a critical gap in the network.

3. ChargeNet NZ Ltd **\$153,515**

Two 300kW charging ports for Bulls

ChargeNet NZ Ltd will install one public dual 300kW charging station in Bulls on SH1, enabling the newest generation of EVs to add 400km of charge in only 15 minutes.

4. ChargeNet NZ Ltd **\$237,825**

Four 300kW charging ports for Kaiwaka

ChargeNet NZ Ltd will install two public dual 300kW charging stations in Kaiwaka in the North, enabling the newest generation of EVs to add 400km of charge in only 15 minutes.

5. ChargeNet NZ Ltd **\$213,575**

Four 300kW charging ports for Christchurch

ChargeNet NZ Ltd will install two public dual 300kW charging stations in Christchurch, enabling the newest generation of EVs to add 400km of charge in only 15 minutes.

6. ChargeNet NZ Ltd **\$237,725**

Four 300kW charging ports for Auckland's North Shore

ChargeNet NZ Ltd will install two public dual 300kW charging stations in Smales Farm on Auckland's North Shore, enabling the newest generation of EVs to add 400km of charge in only 15 minutes.

7. Auckland Cohaus (Surrey Crescent Cohaus Limited) **\$5,000**

Electric chargers for innovative Auckland housing car-share project

Auckland Cohaus (Surrey Crescent Cohaus Ltd) is a group of individuals and families in a 20-home project in Grey Lynn, Auckland who will buy two electric vehicles (at their own cost) and install two slow chargers for a car-share scheme that will show how to reduce levels of car ownership, car use, and emissions in a residential development.

8. EV Transport Ltd **\$45,000**

Plug the Gaps Northland

“Plug the Gaps Northland” will provide three public 25kW DC chargers, one at each location of Mangawhai, Tutukaka and Matakoho, as crucial back-up and to complement the existing 50 kW network. This will allow seamless travel for the popular Auckland/Northland electric vehicle route. Research shows that this will be used by e-locals, e-Aucklanders and e-Tourists.

9. Higgins Contractors **\$120,000**

Installing charging stations for EV construction and road maintenance trucks

Higgins Contractors will install four fast chargers enabling the team to use EV lease trucks (Auckland, Wellington, Palmerston North and Christchurch). 800+ staff will see these working, and messaging on the trucks will encourage wider community use.

10. Northland Regional Council **\$34,000**

Plug the Gaps - Waipu

“Plug the Gaps Waipu” will provide one public 50kW DC fast charger as essential back-up for the popular Auckland to Whangarei i.e. Auckland/ Kaiwaka/ Whangarei EV Route. It will also reduce range anxiety for the approximately 610 short range Northland EVs driving from Whangarei to Kaiwaka.

11. Powersoft Limited **\$17,500**

Power Up Paihia

Powersoft Ltd will install a public 25kW DC fast charger near the tourist town of Paihia, serving tourists and locals of the area.

Secure e-bike storage facilities

12. Big Street Bikers **\$200,000**

Locky Dock – a secure bike parking network for the citizens of Aotearoa

Big Street Bikers will create secure dock-and-charge stations with digital way-finding for active transport modes that will accommodate up to twenty electric bikes at once at two Wellington commuter hotspots. Working in partnership with Mercury, Councils and businesses, they hope to drive rapid mode shift to bike and scooter commuting; reducing carbon emissions and improving wellbeing.

13. Hawkes Bay Airport Limited **\$42,000**

Fly In Charge Up!

Hawkes Bay Airport will install four public 7.4kW AC EV chargers in the long stay carpark and provide secure storage for 16 e-bikes.

14. Invercargill City Council **\$25,000**

Invercargill Central City Commuter Bike Storage Facility

The Invercargill City Council will install safe and secure storage for twenty e-bikes within the Invercargill City Central Business District. This will encourage staff and the public to actively commute into central Invercargill.

15. University of Otago **\$31,250**

Changing travel behaviour: Establishing an eBike hub facility

The University of Otago will establish a secure storage hub for 44 electric bikes and a maintenance stand, linked to workplace, commuting and accommodation. The project will gather accurate usage data and enable more effective adaptation and scaling based on human centred design.

16. Whakatane District Council **\$63,000**

Proving the case for replacing Utilities with Low Emission Vehicles

The Whakatane District Council will establish ten public onsite slow car chargers to support an electric pool fleet, B2B visitors and public, and will also install a secure lockup and charging site for ten e-bikes.

Heavy electric vehicles

17. Customised Deliveries (2013) Limited **\$218,060**

Electrification of Customised Deliveries Ltd Auckland chilled delivery fleet

Customised Deliveries Ltd (CDL) will add two 100% electric delivery trucks to its chilled fleet for its Auckland deliveries. The project will help CDL encourage its owner drivers to electrify over time. The vehicles will be driven by a variety of drivers working 2 shifts, 7 days per week and will demonstrate to the industry the feasibility of extended use of chilled electric vehicles for the "last mile" delivery of chilled goods (meat and dairy).

18. Davis Food Ingredients **\$350,787**

Demonstrate eutectic technology with electric truck trial

Davis Food Ingredients will trial two large electric vehicles with chilled, frozen and ambient storage capacity. A mix of refrigeration technologies will be employed in Hamilton and Auckland. The project combines eutectic refrigeration with an electric delivery vehicle as a new innovative technology mix.

19. Mahu City Express **\$200,000**

Unlocking heavy EV fleets with battery leasing

Mahu City Express will partner with a specialist battery leasing company to demonstrate a hybrid ownership model to reduce the risks and costs (real and perceived) of transitioning heavy vehicles to EVs.

20. Tranzit Group **\$484,708**

Two fewer diesel buses, the potential for hundreds more electric buses

Tranzit Group currently operates in excess of 100 BCI diesel single and double deck buses in NZ. The workhorses of public transport in Auckland and Wellington, two successful conversions to electric will create the option to fully electrify this entire fleet and more.

Technology

21. ChargeSmart Limited **\$41,624**

Distributed Generation Refuelling Model

ChargeSmart Ltd will launch a solar/storage (at their own cost) and EV charging solution, designed to refuel two electric vehicles, power the site, and top up EVs during power outages.

22. Critchlow Geospatial Ltd **\$210,000**

Smart Routing LEV powered by *NationalMap*

Critchlow Geospatial Ltd will launch their Smart Routing LEV website to provide two years' free access to estimated operational cost comparisons for fleet operators who are considering switching commercial vehicles from internal combustion engine to low emission vehicles. The tool combines geocoded destinations, load parameters, fleet optimisation algorithms, and NZ's most comprehensive transport network digital 3D model.

Subscription service

23. Turners Automotive Group **\$97,500**

EVs on subscription

Turners Subscription will purchase a fleet of ten used electric vehicles to be offered to the public on subscription. EVs under this initiative will be priced at the same level as a comparable ICE vehicle.

Light vehicles

24. McKay Limited **\$37,547**

The Development of a Fully Electric Utility Vehicle

McKay Ltd will convert an end-of-line utility vehicle to electric by utilising a second-hand Nissan Leaf drive system. This will reduce carbon emissions, reduce landfill waste and help build public confidence that a larger, more versatile vehicle can be transformed into an affordable EV. In addition to the EV Ute, McKay will implement a dedicated EV servicing department.