

Low Emission Vehicles Contestable Fund – Round 7 Project Descriptions

Charging infrastructure

1. ChargeSmart Ltd **\$18,000**

An electric Pukeiti experience – a new EV charging model

ChargeSmart will partner with Taranaki Regional Council to install four public 22kW AC chargers with a contactless payment solution at Pukeiti Garden in Taranaki.

2. ChargeSmart Ltd **\$175,000**

100% pure accommodation

ChargeSmart Ltd will work with accommodation providers outside the main centres to provide overnight charging to travellers with 25 dual 22KW AC chargers at sixteen accommodation sites across NZ, located at Hanmer Springs, New Plymouth, Tauranga, Christchurch, Methven, Levin, Fiordland, Oamaru, Nelson, Invercargill, Timaru, Farewell Spit, and Havelock North. The project widens the options for EV owners and those people taking advantage of the special offers on electric vehicles made by car sharing and rental companies.

3. Todd Property Ormiston Town Centre Limited **\$120,000**

Ormiston Town Centre (“OTC”)

Todd Property Ormiston will install public fast chargers, public chargers and associated civil works in the new Ormiston Town Centre development, helping to expand coverage of the electric vehicle charging network within one of Auckland’s fastest growing suburbs.

4. Ebbett Waikato Limited **\$148,602**

175 kW DC ultra-fast public EV charger for Hamilton

Ebbett Waikato Ltd will install a public 175kW ultra-fast DC charger at their new Volkswagen dealership at Te Rapa Gateway, Hamilton. The charger will be available 24/7, offering credit card payment. All electric vehicles capable of DC charging will be able to use the charger.

5. Foodstuffs (NZ) Ltd **\$113,400**

Charging Down South!

Foodstuffs (NZ) Ltd will partner with ChargeNet to install one South Island public 50kW fast charger at each of two supermarket locations in Christchurch (Durham Street and Wainoni) and one in Timaru. An additional 25kW charger will be installed at the Timaru location if budget allows.

6. Foodstuffs (NZ) Ltd **\$487,000**

Charging Up North!

Foodstuffs (NZ) Ltd will partner with ChargeNet to install thirteen public 50kW fast chargers at urban (Birkenhead, New Lynn, Devonport, Massey, Silverdale, Porirua) and provincial

(Wellsford, Te Puke, New Plymouth, Taupo, Whanganui, Palmerston North, Carterton)
supermarket locations in the North Island.

7. ChargeNet NZ Limited **\$257,000**

Four 300kW chargers for Taupo CBD

ChargeNet NZ will install two dual port charging stations able to charge up to four electric vehicles simultaneously, and delivering up to 300kW per vehicle, and ancillary equipment in the Taupo central business district.

8. ChargeNet NZ Limited **\$77,000**

Plugging two keys charging network gaps

ChargeNet NZ will install a public 50kW DC fast charger in each of Rerenga Street, Mokau in the North Island and Palmerston in the South Island, filling two key gaps in the charging network.

9. Drive EV Ltd **\$37,000**

Central Taupo EV charging station

Drive EV will install one 50kW DC charger and one 22kW charger at their premises in Central Taupo. The chargers will be publicly available and offer 24/7 ChargeNet billing.

10. Wellington City Council **\$50,000**

Fast Chargers for Waitohi Community Hub

Wellington City Council will install four public 25kW DC medium speed electric vehicle chargers at Waitohi, a major community hub being developed in Johnsonville, Wellington, comprising a swimming pool, library, café, and community centre, increasing access to and visibility of chargers outside the city centre.

11. The Warehouse Group **\$265,588**

Nationwide 50 kW DC EV Rapid Charger Network Improvement

The Warehouse Group will install one 50kW Rapid Charge DC EV charging station in eight regional The Warehouse stores for free public use, located at Kaitaia, Kerikeri, Royal Oak, Gisborne, Petone, Greymouth, Rolleston and South Dunedin, increasing public access to fast charging in more areas. The additional charging stations will expand TWG's existing network of 24 chargers at The Warehouse stores around the country.

12. Mitchell Corp NZ Ltd **\$43,950**

Book a charge

The online NZ accommodation booking specialists Ezibed.com, brought to you by Mitchell Corp NZ Ltd, will provide bookable electric vehicle charging facilities at 15 selected NZ accommodation providers. Both local and international travellers will have now have the peace of mind and confidence in the practicality of travelling with an electric vehicle, and playing their part in the lowering of emissions.

13. Refining NZ **\$49,385**

EV charging infrastructure for electric vehicles

Refining NZ will install one 50kW DC fast charger in the Visitor Centre carpark on the Twin Coast Discovery tourist route, and two 22kW slow chargers for visitor parking at Refining NZ's offices.

Car rental/car share

14. Anglesea Car Rentals **\$351,564**

Loop car share fleet transition to battery electric vehicles

Anglesea Car Rentals will transition their existing "Loop" car share fleet of 20 combustion engine vehicles to battery electric vehicles (BEVs) and install 7.2kW chargers at twenty vehicle home spaces. This car share project will be the first such project in the Waikato to feature BEVs. It will allow users simple and low cost access to trial and use of publically available BEVs.

15. Zilch (formerly known as Yoogo Share) **\$300,000**

Pure electric vehicle car sharing service for Auckland

Co-funding will support Zilch's deployment of a zero emission car sharing service and related EV charging infrastructure in strategic locations throughout Auckland's CBD. Zilch (previously Yoogo Share) is available on-demand to government agencies, business (large and small) and everyday Kiwis looking to reduce their carbon footprint. Customers use Zilch instead of having a pool-car fleet, instead of taxis for airport transfers, for general trips throughout the day or night and to commute to and from work. The Zilch Auckland fleet will include the Hyundai Kona with an increased range of 400km. Zilch has a track record of innovating in the zero emission space. So far with the support of EECA they have delivered over 250 tonnes of carbon savings and over 40,000 zero emission trips in Christchurch.

16. Cityhop **\$312,500**

Cityhop takes electric car sharing Nationwide

Cityhop will add fifty electric vehicles to take its electric car sharing service nationwide, giving thousands more New Zealanders access to a low emission vehicle. Cityhop has a long established platform, membership and All of Government offering to take EV car sharing mainstream.

17. GO Rentals **\$180,000**

GO rentals EV trial project

GO Rentals will offer six rental battery electric vehicles at the same price as a combustion engine car, the ability to book the vehicles online, and there will be no fees for re-charging. Two cars will be available at each of Dunedin and Queenstown, with a further vehicle at each of Auckland and Christchurch. GO will also provide public access to a charger at Queenstown Airport.

Heavy electric vehicles

18. Eastland Port Limited **\$298,500**

New Zealand's first all-electric water truck

Eastland Port Ltd will purchase an electric truck for watering and dust suppression at Eastland Port, and will install a 60kW charging station. This will be the first electric water truck in NZ.

19. Mahu City Express **\$352,500**

Introduce an EV to the long-distance luxury coach sector

Mahu City Express will add an electric coach to its luxury inter-urban commuter/day coach and shuttle service operating between the Mahurangi region and Auckland, demonstrating what's possible to both the public and associated industries. It will install a 120kW heavy EV charger to service the coach.

Electric vans

20. The Priory in New Zealand of the Most Venerable Order of the Hospital of St John of Jerusalem **\$127,179**

Electric Mobility Health Shuttles

St John will purchase two electric vans to test as mobility vehicles for their Health Shuttle fleet in Winton, Invercargill, Bluff, and Otautau. St John will fit them out with wheelchair access, and will install four 22kW AC chargers to charge the vehicles.

Technology

21. Northpower **\$13,200**

Understanding how V2G technology can benefit networks and consumers

Northpower will purchase a Second Generation Nissan Leaf with bi-directional CHAdeMO port to run a trial of vehicle-to-grid technology at a residential address, working with Nichicon (who will provide the "EVPS" i.e. the Electric Vehicle Power Station) and the University of Canterbury to run the trial, including managing real-time data, and analysis of the results.