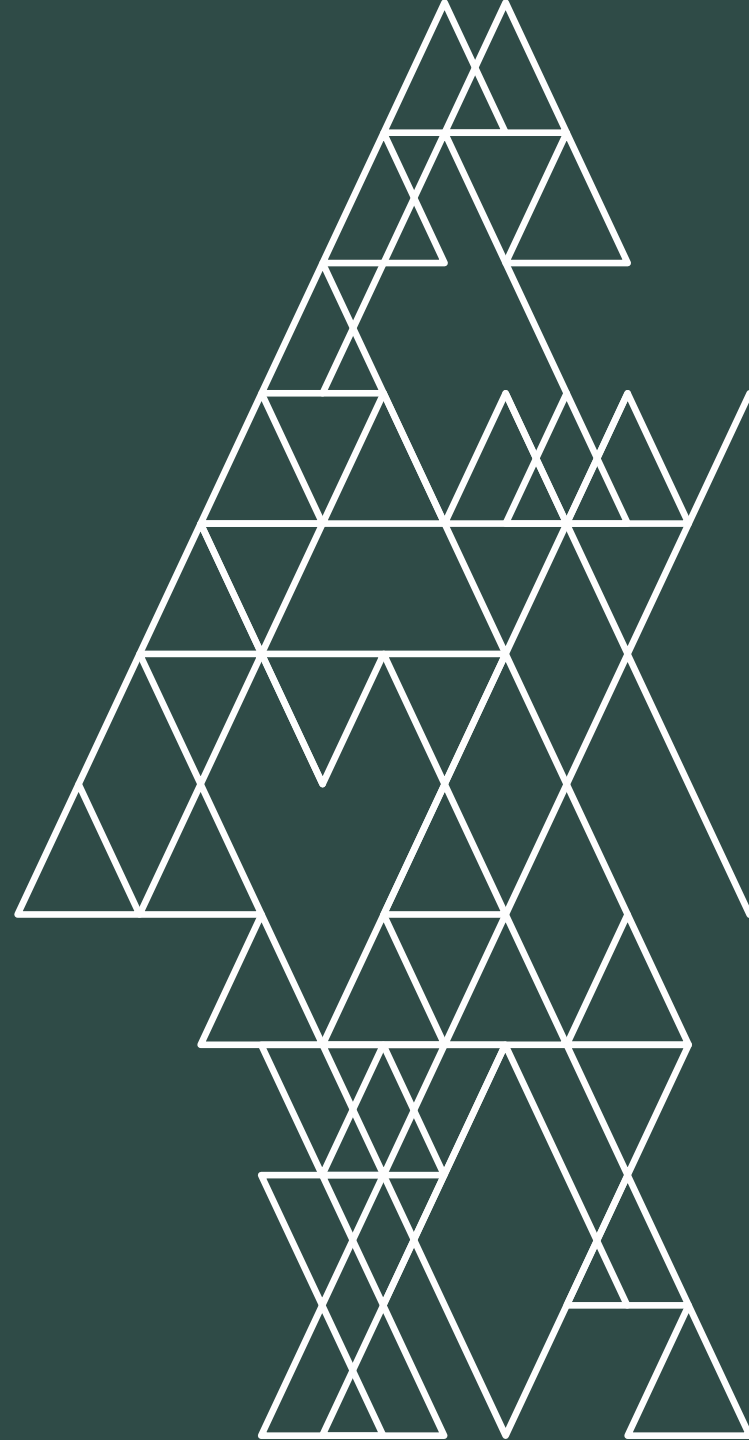


Low Emission Transport Fund

Public Charging Infrastructure – gap-filling round

5 May 2022



EECA's transport team here today



Richard Briggs

EECA

Transport Portfolio Manager



Basil Issa

EECA

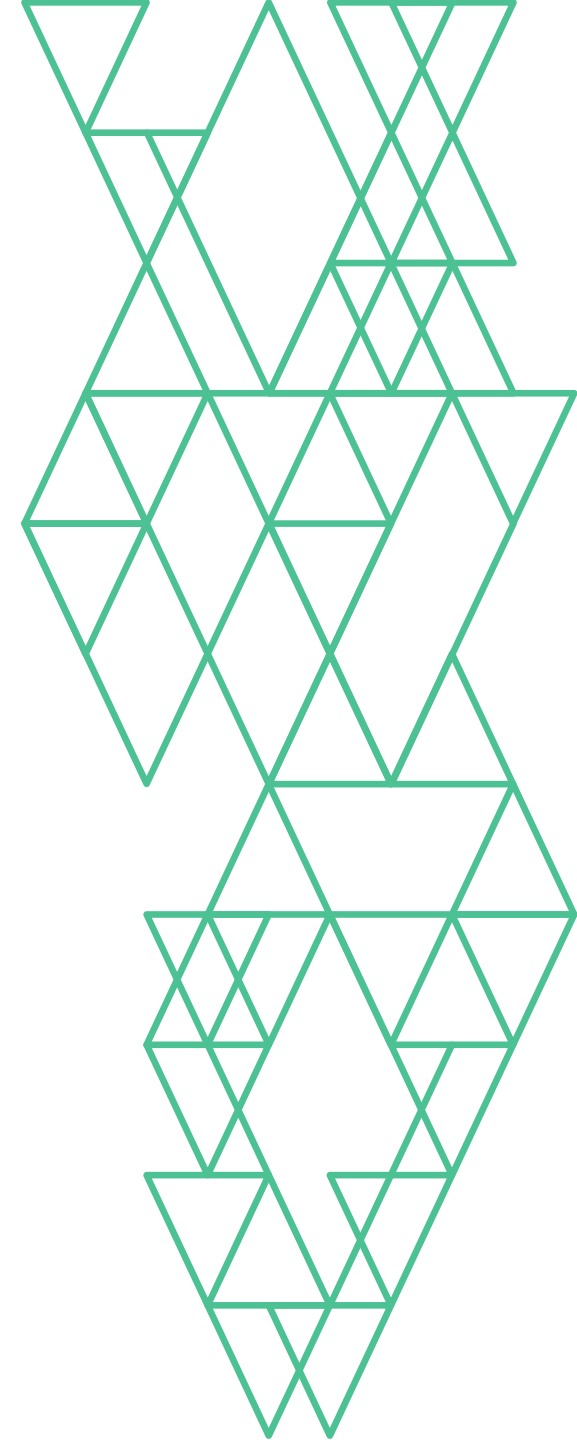
Transport Infrastructure Lead



Camilla Cochrane

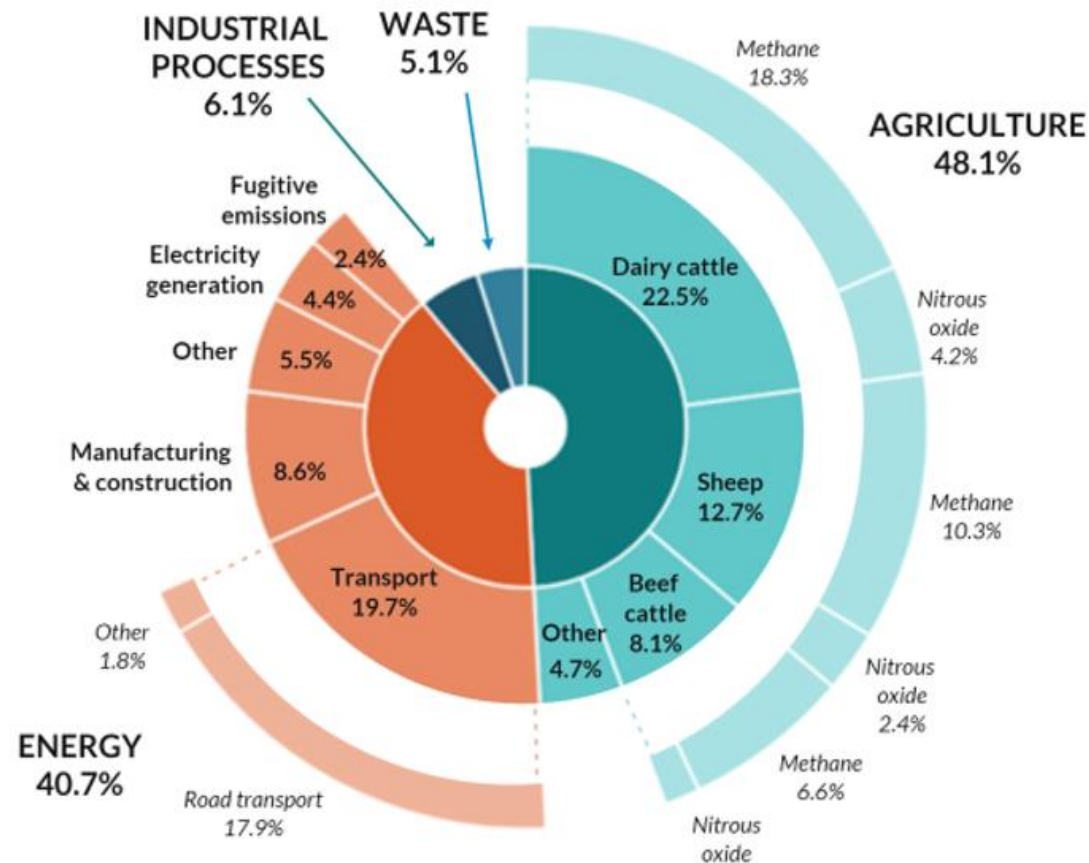
EECA

Senior Transport Funds Lead

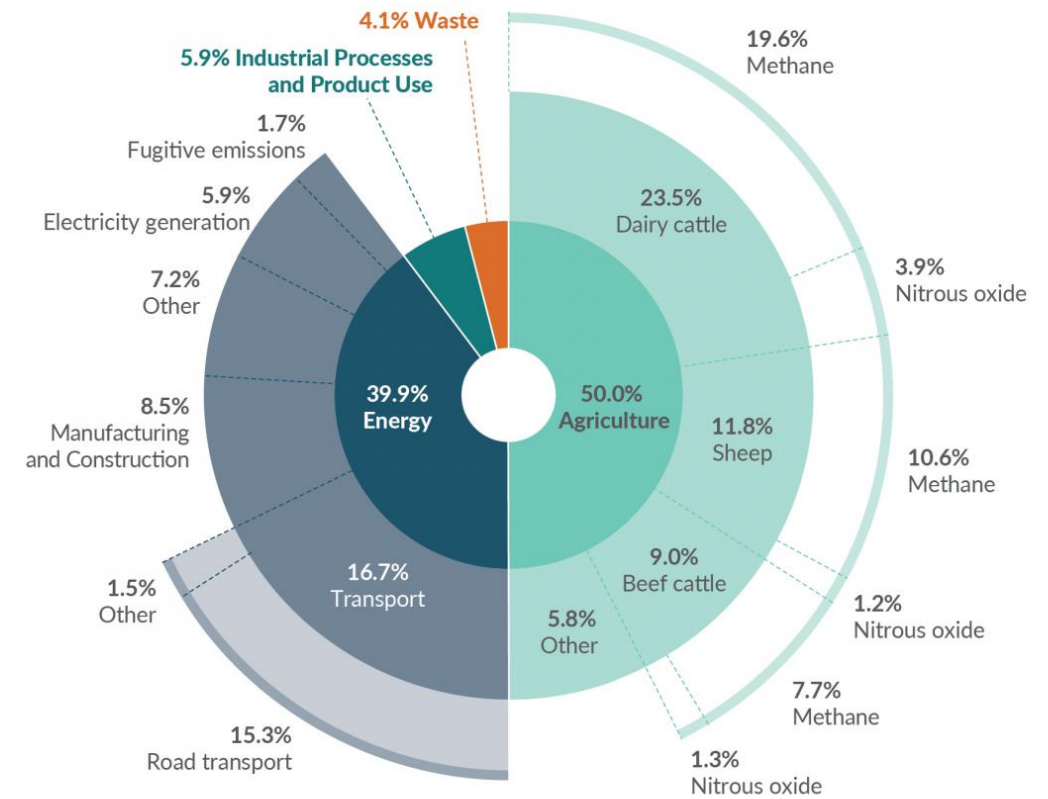


New Zealand's energy emissions profile 2019-20

Source: New Zealand's
Greenhouse Gas Inventory
1990-2017, published
April 2019



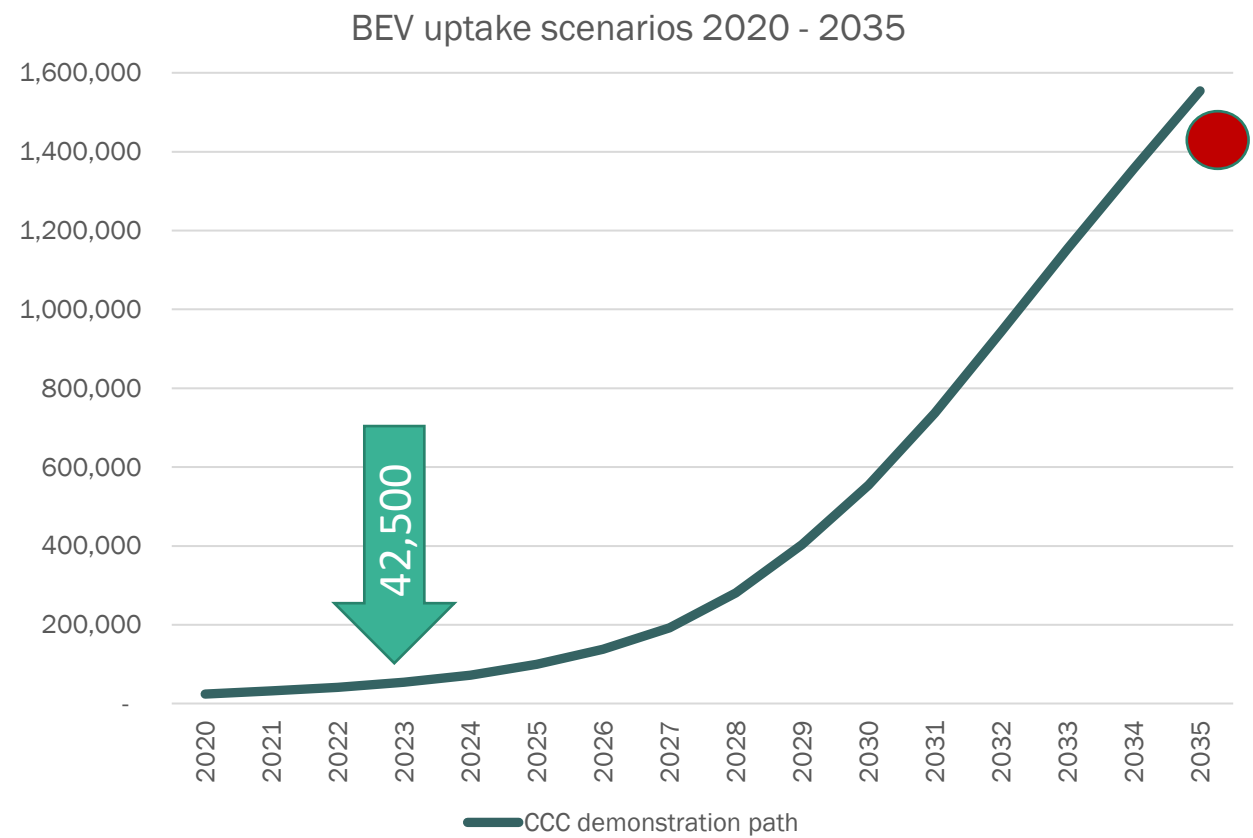
Source:
Greenhouse Gas Inventory
1990-2020, MfE (2020);



EV Sales Activity

- **Two-thirds of transport emissions come from the light vehicle fleet**
- **Over 4m light vehicles on the road.**
- **Clean Car Bill passed and launched with over 14,500 EV rebates already applied.**
- **As a result average Monthly EV Sales up from 500 to 1500 a month**
- **EV sales now over 10% of brand new passenger car monthly registrations**
- **March 2022 was best performing month ever for EV's 2,953 registered**
- **Further measures to accelerate uptake being considered**

Add some rapid EV uptake forecasted



LETF Purpose & Scope recap

Partnering on co-funding to develop and share learnings

New and emerging transport decarbonisation solutions

Acceleration of market take-up by individual organisations and through offering solutions to market

To **support** the **demonstration** and **adoption** of **low emission transport technology, innovation and infrastructure** to **accelerate** the decarbonisation of the New Zealand **transport sector**

Covering on- and off-road vehicles, vessels and aviation, low carbon refuelling and charging infrastructure, and technologies which decarbonise transport

Focus on moving people and goods – not on the whole transport system



Public Charging Infrastructure gap-fill

\$1.0M



Objective: Co-fund public chargers at 6 selected locations across New Zealand.

Proposals will cover purchase and delivery of charging station(s), cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations

Commitment by 30 June

Challenges at sites may justify >50% co-funding

Deadline for proposals: 12pm, Wednesday 25 May 2022

Charging Infrastructure development

Roadmap developed with public consultation

- 1. Final gaps in old strategy to have chargers every 75km on main highways*
- 2. Parallel development of Journey, Destination and Home charging strategies*
- 3. Future deployment of a focused journey charger network to deliver on the objective to provide drivers confidence they can charge where AND when they want.*
- 4. Destination charger support will focus on deployment of models to demonstrate and accelerate commercial viability. (V&T).*



Future Funding rounds

www.eeca.govt.nz/LETF

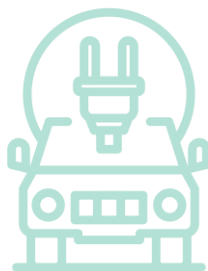
**Public
Charging
Infrastructure
RFP** **\$1.0M**



Round 4

27 April 2022

**Vehicles &
Technologies
RFP** **\$5.0M**



Round 3

27 April 2022

Round X

Late-2022

**Public Cluster
Charging
Infrastructure
RFP** **\$TBC**



Round Y

Late-2022





6 Locations

Priority One

- Kohatu
- Springs Junction
- Haast

Priority Two

- Hari Hari
- St Arnaud
- Maniaiti/ Benneydale

Priority One: Kohatu

SH Route	Daily traffic*	Distance to closest DC charger (km)	Daily power requirement (kW/H, est.)
6	1564	39	300

Local EDB	Available Connection/power capacity	Recommended charger type	EECA estimated total costs**
Tasman Networks	90kVA /3000 kWh available daily	75kW/h dual-head	\$300,000

*Daily number of light vehicles.

** Made up of purchase and delivery of charging station, cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations.

The sum of Kohatu and St Arnaud must not exceed 100kW due to TPNZ constraint.



Priority One: Springs Junction

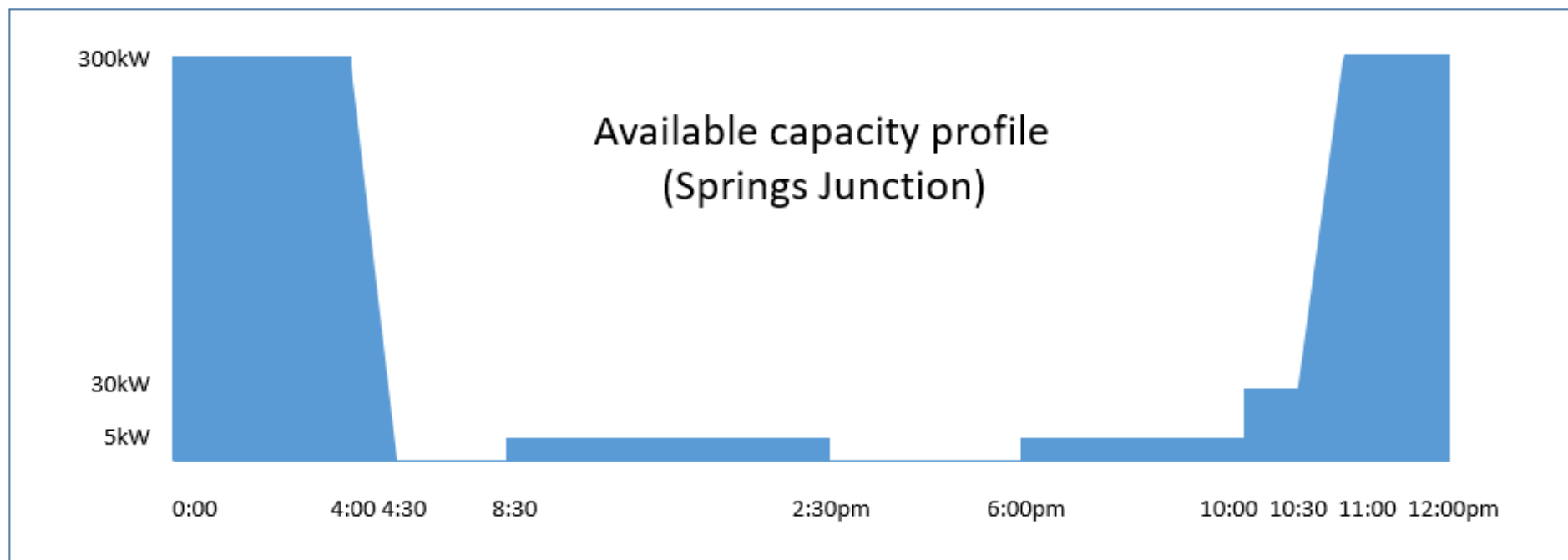
SH Route	Daily traffic*	Distance to closest DC charger (km)	Daily power requirement (kW/H, est.)
7	1230	44	200

Local EDB	Available connection/power capacity	Recommended charger type	EECA estimated total costs**
Tasman Networks	300kW/h off-peak (11pm-4am only) ~1700 kWh available daily	Battery powered 120kW/h	\$400,000

*Daily number of light vehicles.

** Made up of purchase and delivery of charging station, cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations.

Priority One: Springs Junction



*Capacity profile provided by Network Tasman

Priority One: Haast

SH Route	Daily traffic*	Distance to closest DC charger (km)	Daily power requirement (kW/H, est.)
6	834	141	160

Local EDB	Available connection capacity	Recommended charger type	EECA estimated total costs**
NZ Energy	Up to 100kVA	75kW/h	\$300,000

*Daily number of light vehicles.

** Made up of purchase and delivery of charging station, cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations.



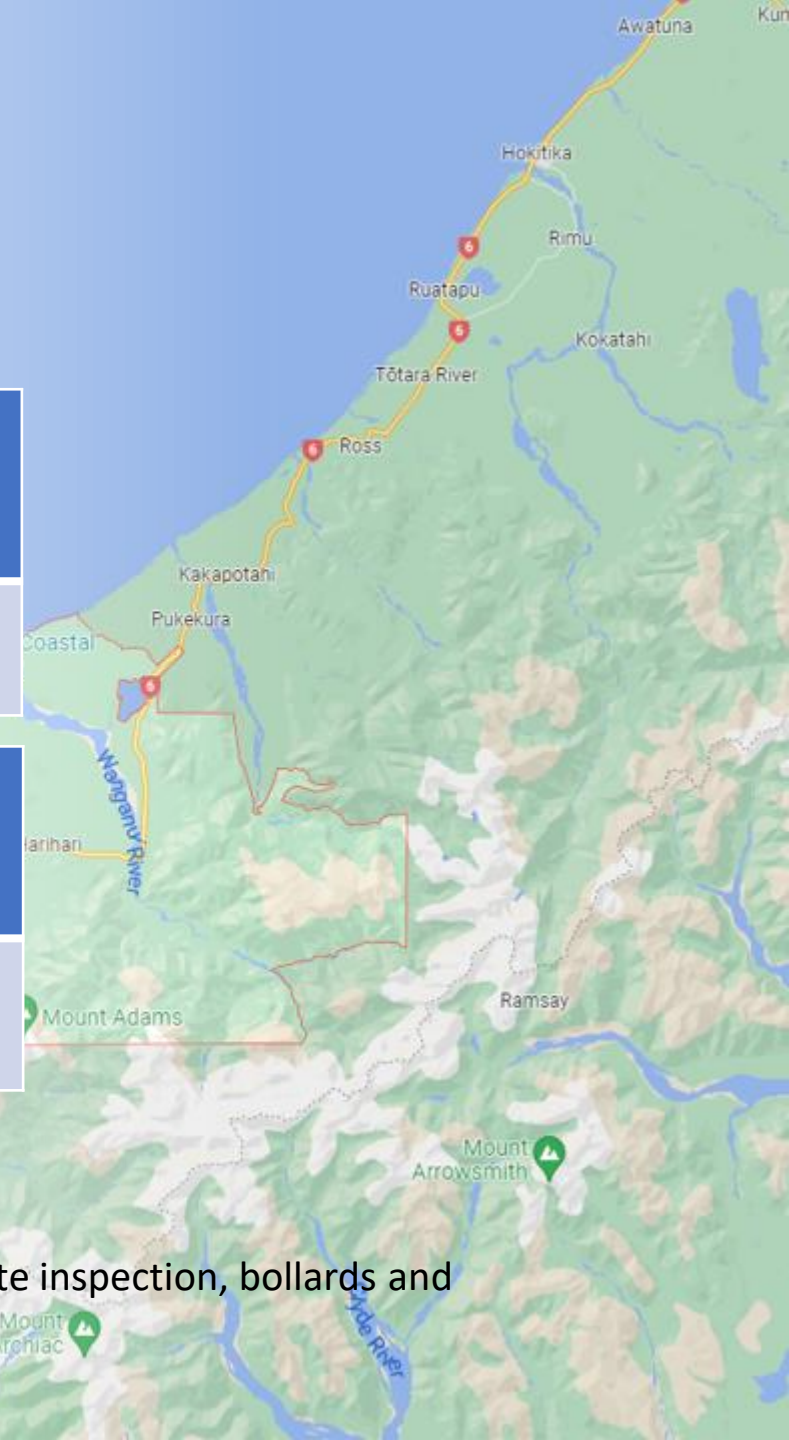
Priority Two: Hari Hari

SH Route	Daily traffic*	Distance to closest DC charger (km)	Daily power requirement (kW/H, est.)
6	855	62	160

Local EDB	Available connection capacity	Recommended charger type	EECA estimated total costs**
Westpower	100kVA	75kW/h	\$300,000

*Daily number of light vehicles.

** Made up of purchase and delivery of charging station, cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations.



Priority Two: St Arnaud

SH Route	Daily traffic*	Distance to closest DC charger (km)	Daily power requirement (kW/H, est.)
63	600	60	120

Local EDB	Available connection/power capacity	Recommended charger type	EECA estimated total costs**
Tasman Networks	50kVA /4000 kWh available daily	50kW/h	\$250,000

*Daily number of light vehicles.

** Made up of purchase and delivery of charging station, cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations.

The sum of Kohatu and St Arnaud must not exceed 100kW due to TPNZ constraint.

Priority Two: Maniaiti/ Benneydale (Scott Rd)

SH Route	Daily traffic*	Distance to closest DC charger (km)	Daily power requirement (kW/H, est.)
30	759	35	140

Local EDB	Available connection capacity	Recommended charger type	EECA estimated total costs**
The Lines Company	50kVA	50kW/h	\$250,000

*Daily number of light vehicles.

** Made up of purchase and delivery of charging station, cost of installation, cost of connection, site inspection, bollards and other civil works, basic communication and security installations.

Applying to the Fund

Eligibility?

- **NZ-based project, NZ-based private sector businesses and local Government organisations**
- **\$50,000+ minimum total core project cost**
- **Commercially available technologies although not necessarily commercially viable yet**
- **20% co-funding cap in any one financial year**



Applying to the Fund

What can I apply for?

- Proposals **ONLY** for the 6 identified locations (within justifiable range)
- Priority One before Priority Two
- **Some sites may justify more than 50% co-funding**

What's excluded?

- Subsidies, BAU, marketing
- Services or equipment not directly related to the purchase, installation and connection of the charging infrastructure
 - ancillary services and construction such as public toilets, service stations, cafes, shops, canopies, security systems, lighting, communications, or additional vehicle access civil works and so on (although may add to the final score)
- **Stand-alone AC solutions**



Criteria

Solution	40%	Alignment with specification, co-benefits, site selection, fit for purpose/ future growth, innovation, planned launch/rollout, how address power constraints and limitations
Ability to deliver	20%	Track record, experience, capacity, risks
Speed of implementation	20%	Delivery to market, mitigation plans
Value for money	20%	Costs, replicability, scalability, support for diffusion, interoperability, public benefits, supporting transition to a zero emissions economy



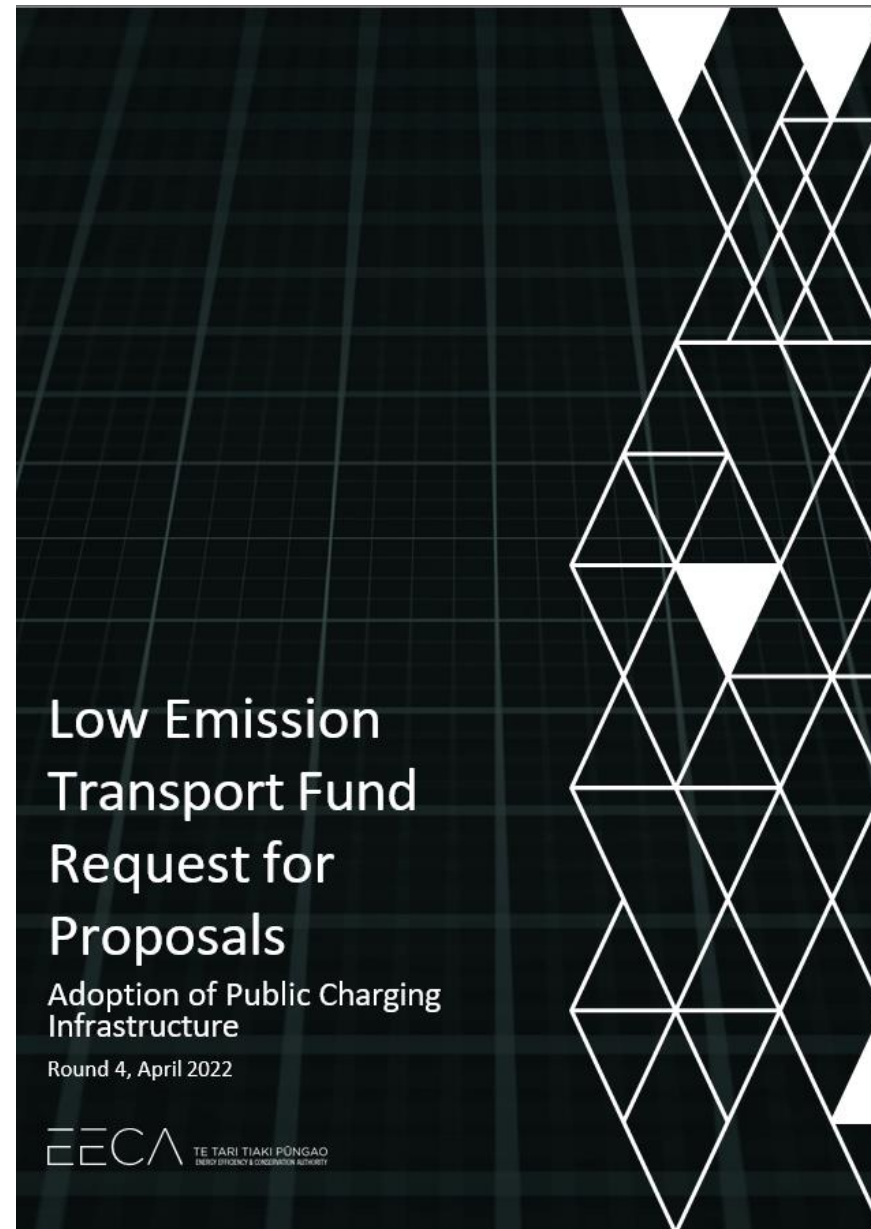
Application materials

www.eeca.govt.nz/LETf

Application materials:

- Request for Response document
- Response Form
- Proposed Funding Agreement

LETFund@eeca.govt.nz



Contact us – any questions?

LETFund@eeca.govt.nz

