



TE TARI TIAKI PŪNGAO
ENERGY EFFICIENCY & CONSERVATION AUTHORITY

EECA's Fortnightly Report to the Minister for Energy

9 August 2024

EECA Contact: Will Jensen, Manager, Policy and Engagement

Phone: 04 470 2441 **Mobile:** 9(2)(a)

Low Emissions Heavy Vehicle Grant announcement update

On 1 August, EECA issued an invitation to register to enable vehicle suppliers to have their eligible vehicles added to the 'whitelist' of eligible vehicles that can receive a grant.

To support this, we held a webinar with targeted industry stakeholders on 6 August (under embargo). Other than a minor modification to the eligibility criteria (clarifying more industry-appropriate terminology for a widespread safety feature), feedback on the programme during the webinar and through engagement at Fleet Day has been overwhelmingly positive, with leading manufacturers intending to register their vehicles in the coming days.

9(2)(f)(iv)

9(2)(f)(iv)

EV Charging: Recently completed projects

Two significant EV Charging hubs were recently completed:

ChargeNet's Tauriko 10-point charging hub

Last week, ChargeNet opened the country's largest EV Charging Hub in Tauriko, Tauranga (at Tauranga Crossing shopping mall). This charging hub offers rapid charging through the five 300kW chargers installed, allowing *up to* 400km of charge in 30 minutes (note, this is dependent on external factors), and has the capacity to charge ten vehicles at once. The site was designed to also cater for towing trailers, and oversized light commercial vehicles. EECA provided \$786,000 in co-funding in LETF Round 15.

This site has been publicised in media, including the New Zealand Herald, who published an article on the launch. Refer to the picture in **Appendix One**, for the design of the hub.

ChargeNet's Bethlehem hub

ChargeNet has launched a site in Bethlehem, Tauranga (Bethlehem Town Centre shopping mall), containing three 150kW rapid chargers. These chargers can charge up to six EVs simultaneously. We provided \$265,475 through LETF's predecessor, the Low Emissions Vehicles Contestable Fund (LEVCF) round Nine. One key purpose of this round was to support the development of the public charging network and filling key gaps, and by supporting charging stations in priority locations where further facilities are needed.

Note, you have requested regular updates on EV charging numbers from EECA. We will provide you with our first quarterly update via our next Fortnightly Report on Friday 23 August.

FlexForum stakeholder workplan release and next steps

As part of our broader work programme to promote smart EV charging, EECA commissioned the Flex Forum to deliver a workplan to accelerate the uptake of flexible charging by making it an easy and obvious choice for EV owners. On 8 August, Flex Forum published this workplan, which can be found [here](#).

The workplan captures the perspectives and expertise of 50 stakeholders from 34 organisations and includes 17 actions Flex Forum members have committed to pursue. Flex Forum now plans to incorporate the workplan into its 2024/25 planning at its AGM in August.

The workplan specifically notes EECA's upcoming FlexTalk 2.0 project's contribution to understanding the required capabilities that will enable flexibility to alleviate network capacity issues. The project will demonstrate an easy-to-use process to communicate and respond to network capacity needs and how common data communication protocols can be applied to ensure the necessary data exchange across multiple parties and devices.

Regional Energy Transition Accelerator (RETA) Hawkes Bay update

The RETA programme works across medium and large energy users to coordinate approaches to decarbonisation on a regional basis. Analysis has now been completed for the Hawkes Bay region. On 1 August, this analysis was presented to 60 industry stakeholders from demand-side organisations, electricity networks, electricity retailers, forest owners, wood processors, and local government.

There was strong engagement in conversations about the transition away from piped gas for process heat, given the current gas market and the availability of renewable fuels, particularly biomass. EECA expects to publish the final Hawkes Bay RETA report in late

October/early November and will continue to identify avenues to support the region to collaborate on solutions.

The RETA South Island report was published recently and can be found [here](#). We plan to publish the Tairāwhiti RETA later in August.

Residential Electrification update

EECA is engaging with industry to consider how electricians and plumbers can be enabled to support residential electrification. EECA has held early meetings with both Master Electricians and Master Plumbers with a view to establishing partnerships with both peak bodies.

We have undertaken preliminary research which shows plumbers and electricians are increasingly being asked to play an advisory role in the market. Better information and training support have been identified by these industries as a current gap.

EECA communications and events calendar

The following table shows upcoming events and communications which EECA is involved in. New items are shown in bold.

Significant Events		
Date	Type	Activity/Event
August 2024	PR/ promotion	We will publish the first full national Regional Heat Demand Database. It is an open database that records aggregated data from existing process heat sites relying on fossil fuels, by region and sector as well as other useful breakdowns. We plan to make some targeted approaches to data and energy media.
August 2024	PR/ promotion	We will publish the Tairāwhiti RETA (Regional Energy Transition Accelerator) report and are working with partners at Trust Tairāwhiti (regional EDA) on the accompanying PR.
August 2024	PR/event	We will announce successful projects from round 13 of the LETF (Off-road, tech and marine). To accompany this, we are producing

		a video and written case studies to enable replication of zero emission offroad projects.
August 2024	PR/event	9(2)(f)(iv) [REDACTED] [REDACTED] [REDACTED] [REDACTED]
August/September 2024	PR/event	9(2)(f)(iv) [REDACTED] [REDACTED] [REDACTED]
September 2024	Possible PR/site visit	We are working on options for a Warmer Kiwi Homes-related opportunity, including a potential site visit to New Zealand insulation manufacturers or other service providers. We will work with your office on this.

Upcoming items to the Minister				
Primary contact	Status	Item description	Notes	Response Required
Will Jensen (Manager, Policy & Engagement)	Upcoming (29 August)	9(2)(f)(iv)		TBC
	Upcoming (TBC)	9(2)(f)(iv)	Joint briefing with the Ministry of Transport.	TBC

Active Official Information Act (OIA) requests				
Requestor	Type	Request	Date received	Date due
9(2)(a)	Departmental	The number of EV Charging stations (both public and private) in Wellington City, in the last five years	23 July 2024	20 August 2024
9(2)(a)	Departmental	<ul style="list-style-type: none"> Data from the Green Grid Study, or data regarding household appliance power ratings (kW), End use of energy data for individual dwellings, including background information on those dwellings. 	24 July 2024	21 August 2024
9(2)(a)	Departmental	The total amount co-funded in each of the last three years across the public sector for EV charger installation projects, broken down by organisation.	5 August 2024	2 September 2024
9(2)(a)	Departmental	<ul style="list-style-type: none"> Copies of any advice or documents that shows how approved projects that received funding from the Government Investment in Decarbonising Industry (GIDI) fund are performing to reduce emissions. Copies of any advice or documents (if any) on the impacts of the return to center of the planned expansion of the Warmer Kiwi Homes programme. 	6 August 2024	3 September 2024

9(2)(a) 	Departmental	A copy of Brighter invoice to EECA for the installment of underfloor insulation at the requestor's property.	7 August 2024	4 September 2024
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Appendix One: ChargeNet's Tauriko Charging Hub

The Hub Design





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9(2)(f)(iv)

[REDACTED]

Update on TR Group's fleet of 20 hydrogen fuel cell trucks (as part of the 'Shovel-Ready' Hiringa Viable Hydrogen Network project)

TR Group had contracted Hyzon to build 20 hydrogen trucks in Australia, which were expected to be delivered by early 2025. As you are aware, Hyzon has recently ceased all operations in Australia.

Hyzon started their liquidation process this week, and TR Group have met with the liquidators. Out of the 20 trucks, two have been successfully converted and are pending shipment from Australia. It is currently unclear what will happen with the remaining 18 trucks. TR Group are considering three options:

9(2)(b)(ii)

[REDACTED]

9(2)(f)(iv)

[REDACTED]

We will continue to update you as the situation unfolds.

Update on EV Charging Numbers

As mentioned in the report to you on 26 July, we will now provide you with quarterly updates on the headline public EV charger numbers. This data is drawn from EECA's public EV charger dashboard, available here:

<https://www.eeca.govt.nz/insights/data-tools/public-ev-charger-dashboard/>

These figures will next be updated in November 2024. We will continue working with your office to ensure this regular reporting is meeting your requirements in terms of the data included. Please refer to **Appendix One** for a breakdown of the data.

Update on Equipment Energy Efficiency Programme (E3)

The Equipment Energy Efficiency (E3) programme provides a forum for trans-Tasman collaboration in regulating the energy efficiency of products in both countries. We understand you will soon receive an information paper on the E3 programme, its function, and its importance in achieving good outcomes for energy efficiency in NZ.

Beyond this information paper, we plan to brief you over coming months on a number of E3 items, including:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

EECA has updated our Energy End Use Database (EEUD)

EECA maintains the Energy End Use Database (EEUD), which provides annual estimates of how energy is used across the New Zealand economy. The database enables insights and analysis of energy use across various sectors/technologies. The data is split into four categories: sector, fuel type, end use and technology. The EEUD is a valuable data asset, utilised by government, industry and academics for energy modelling and analysis.

In June this year, EECA released the EEUD 1.3, adding data from 2022 and redesigning the dashboard for users' benefit. This data is updated annually with the most current available information, based on MBIE's annual 'Energy in New Zealand' publication.

The data shows that dairy product manufacturing, petrochemical manufacturing, and the primary metals sectors are New Zealand's largest energy consuming industrial sectors, making up 32% of total business stationary energy consumption.

The Energy End Use Database is available here: <https://www.eeca.govt.nz/insights/data-tools/energy-end-use-database/>

EECA communications and events calendar

The following table shows upcoming events and communications which EECA is involved in. New items are shown in bold.

Significant Events		
Date	Type	Activity/Event
August 2024	PR	We are publishing the RETA Tairāwhiti report and supporting the EDA Trust Tairāwhiti with a PR to pitch to regional and trade media.
September 2024	PR/event	9(2)(f)(iv) [REDACTED] [REDACTED] [REDACTED] [REDACTED].
September 2024	PR/event	9(2)(f)(iv) [REDACTED] [REDACTED] [REDACTED]
September 2024	Possible PR/site visit	We are working on options for a Warner Kiwi Homes-related opportunity, including a potential site visit to New Zealand insulation manufacturers or other service providers. We will work with your office to gauge interest in this.
September 2024	Industry event	Opening of Downer Ltd.'s diesel-fired hot oil furnace electrification in Bluff. This project was funded under GIDI.

Upcoming items to the Minister				
Primary contact	Status	Item description	Notes	Response Required
Will Jensen (Manager, Policy & Engagement)	Upcoming (23 August)	9(2)(f)(iv)	9(2)(f)(iv) 	29 August
	Upcoming (18 September)	9(2)(f)(iv)	Joint briefing with the Ministry of Transport.	n/a
	Upcoming (mid- September)	9(2)(f)(iv)		n/a

Active Official Information Act (OIA) requests				
Requestor	Type	Request	Date received	Date due
9(2)(a)	Departmental	The total amount co-funded in each of the last three years across the public sector for EV charger installation projects, broken down by organisation.	5 August 2024	2 September 2024
9(2)(a)	Departmental	<ul style="list-style-type: none"> Copies of any advice or documents that shows how approved projects that received funding from the Government Investment in Decarbonising Industry (GIDI) fund are performing to reduce emissions. Copies of any advice or documents (if any) on the impacts of the return to center of the planned expansion of the Warmer Kiwi Homes Programme. 	6 August 2024	3 September 2024
9(2)(a)	Departmental	A copy of Brighter invoice to EECA for the installment of underfloor insulation at the requestor's property.	7 August 2024	4 September 2024
9(2)(a)	Departmental	A list of the locations of all EECA funded/co-funded EV chargers that have been built in Wellington that have been completed and in use.	15 August 2024	12 September 2024

<p>9(2)(a)</p>	Departmental	<ul style="list-style-type: none"> Records on the usage of EV chargers funded or supported by EECA, including: <ul style="list-style-type: none"> Total number of charging sessions per charger Total energy dispensed (kWh) per charger. Peak usage times and patterns. A breakdown of usage statistics for each location where EECA-supported chargers are installed, including: <ul style="list-style-type: none"> Addresses or general locations of the chargers. Usage figures for each location Information on the systems or methods used by EECA or its partners to monitor and report on charger usage, including: <ul style="list-style-type: none"> Data collection methodologies Frequency of reporting and data updates Any reports or evaluations that analyse the effectiveness of the EV chargers in terms of their utilisation and contribution to EV infrastructure goals. 	16 August 2024	13 September 2024
<p>9(2)(a)</p>	Departmental	<ul style="list-style-type: none"> Receipts and financial records – including amounts, dates, and any associated conditions or terms – related to maintenance subsidies provided to EV charging companies since 14 October 2023 	16 August 2024	13 September 2024

		<ul style="list-style-type: none"> Any reports or documents that detail the impact on the performance and reliability of the EV charging stations 14 October 2023 Any correspondence with charging companies and/or other government organisations and/or government ministers on the policies, criteria, and guidelines used to determine the eligibility and amount of maintenance subsidies for EV charging companies since 14 October 2023. For the purposes of this OIA 'Charging companies' include: ChargeNet, Z Energy, BP, WCC, EV Infrastructure Partners, Meridian Energy, We.EV, JOLT Charge, Hikotron, Jump Charging, Network Waitaki, Plug & Save, Agritech Green Investments. 		
9(2)(a) [REDACTED]	Departmental	<ul style="list-style-type: none"> Receipts and financial records – including amounts, dates, and any associated conditions or terms – related to building subsidies provided to EV charging companies since 14 October 2023 Any correspondence with charging companies and/or other government organisations and/or government ministers on the policies, criteria, and guidelines used to determine the eligibility and amount of building subsidies for EV charging companies since 14 October 2023. For the purposes of this OIA 'Charging companies' include: ChargeNet NZ, Z Energy, BP, Wellington City Council, EV Infrastructure Partners, Meridian Energy, We.EV, JOLT 	16 August 2024	13 September 2024

		Charge, Hikotron, Jump Charging, Network Waitaki, Plug & Save, Agritech Green Investments		
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Appendix One: Update on EV Charging Numbers

Public EV Charger numbers: as at 20 August 2024:

Number of public charge points* in New Zealand	
New last year:	316
New last quarter:	130
Total:	1,584 public charge points

EECA supported public charge points	
Live:	883
In progress:	222
Total:	1,105 charge points

Notes:

- Charge points refer to how many vehicles can be charged simultaneously. A charger may have multiple charge points.
- Due to the way charger data is recorded, these figures are expected to slightly underestimate the total number of charge points.

Please refer to the next page for a regional breakdown.

Regional Breakdown:

