

[REDACTED]

15 November 2024

Dear [REDACTED]

Re: Official Information Act Request:

Thank you for your email on Thursday 18 October in which you requested information under the Official Information Act 1982. You requested:

“A CIPA or analysis on the emissions impact of the Low Emissions Heavy Vehicle Fund.”

In response to your request, Appendix A provides you with EECA’s estimated emissions impact analysis for the Low Emissions Heavy Vehicle Fund. The emissions impact information provided to you on 8th November as part of your previous OIA request for LEHVF Minister briefing information, relates to this analysis. No information has been redacted as part of this OIA response.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Please note that it is our policy to proactively release our responses to official information requests where possible. Our response to your request will be published shortly at <https://www.eeca.govt.nz/about/news-and-corporate/official-information/> with your personal information removed.

Yours sincerely



Murray Bell
Group Manager, Policy and Regulation

Appendix A: EECA's estimated emissions impact for the Low Emissions Heavy Vehicle Fund.

When viewing the estimated emissions impact analysis please note:

- The counterfactual for each truck funded is that an equivalent diesel would have been purchased instead.
- Vehicle emissions were sourced from MfE where available, and from manufacturer estimates where noted (e.g. heavy BEVs, dual fuel).
- Vehicle distances travelled were assumed based on expected vehicle use and capability.
- The uptake of vehicles across each class was assumed and is likely to vary.
- Our assumed uptake across each class was based on early discussions with vehicle suppliers' expected uptake. Vehicle uptake and use will be monitored to help refine abatement estimates as the programme proceeds.

Trucks	Number of Trucks	VKT	Vehicle life	Funded vehicle emissions (kg/km)	Funded vehicle lifetime emissions (t)	Diesel emissions (kg/km)	Lifetime diesel emissions (t)	Abatement (t)
Heavy								
BEV	20	120000	20	0.145	6945	1.510	72480	65535
H2	20	120000	20	0.000	0	1.510	72480	72480
H2 Blend	100	120000	20	1.057	253680	1.510	362400	108720
Medium								
BEV	56	39500	20	0.107	4714	1.280	56627	51913
H2	5	39500	20	0.000	0	1.280	5056	5056
Small								
BEV	300	23500	20	0.041	5754	0.481	67821	62067
Total:					271,094		636,864	365,771

Source	Assumed, based on feedback from potential fund participants on expected sales	Assumed based on expected use & vehicle capability	MoT Fleet Statistics	Manufacturer estimates, MfE grid emissions factors. H2 assumed green hydrogen. Dual fuel 30% diesel saving	Calc - Lifetime emissions of all trucks funded	MfE Emissions Factors	Calc - if all assumed uptake was diesel instead
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