

16 March 2020

Dr Adam Ward  
[fyi-request-12256-22370d15@requests.fyi.org.nz](mailto:fyi-request-12256-22370d15@requests.fyi.org.nz)

REF: OIA-6417

Dear Dr Ward,

**Request made under the Official Information Act 1982**

Thank you for your email of 17 February 2020 requesting the following information under the Official Information Act 1982 (the Act):

*In this regard I would like a data set that specifies the number of vehicles in each 2017 Area Unit and the number of vehicles in each area unit whose 'Motive Power' can be classified as either:*

- PETROL HYBRID
- ELECTRIC
- PLUGIN PETROL HYBRID
- PETROL ELECTRIC HYBRID
- ELECTRIC [PETROL EXTENDED]
- DIESEL HYBRID
- DIESEL ELECTRIC HYBRID
- PLUGIN DIESEL HYBRID
- ELECTRIC [DIESEL EXTENDED]
- ELECTRIC FUEL CELL HYDROGEN
- ELECTRIC FUEL CELL OTHER

*In effect the data set would like as follows:*

<i>AU2017_Code</i>	<i>Total_Number_of_Vehicles</i>	<i>Number_of_Specified_Vehicles</i>
500100	100	5

The data you requested is being provided to you in following spreadsheet:

- OIA-6417 Registered Electric Vehicles by 2017 Area Unit.xlsx

We have provided you with two worksheets – one details the total vehicle fleet with the electric vehicle breakdown as requested, and a worksheet broken down by vehicle type.

It is important to note the following in relation to the information provided:

- Data is extracted from the Motor Vehicle Register (MVR) and is current as at 25 February 2020.
- Only vehicles that are deemed to be active (ie have plates issued and have not been deregistered) and had a current licence to travel on New Zealand roads as at 25 February 2020.
- Electric Vehicle Types are defined as the following:

Motive Power Type	Definition
Electric	Electric motor/s only. The batteries are charged from an external source
Petrol Hybrid/Diesel Hybrid	Propelled by either a petrol or diesel motor or an electric motor. No external source of charging for the battery.
Petrol Electric Hybrid/Diesel Electric Hybrid	Propelled by an electric motor where the battery is charged from an onboard petrol or diesel generator BUT no external source of electricity to charge the battery.
Plugin Petrol Hybrid/Plugin Diesel Hybrid	Propelled by either a petrol or diesel motor and electric motor. The batteries can be externally charged.
Electric [Petrol Extended]/Electric [Diesel Extended]	Propelled by an electric motor where the battery is charged from an onboard petrol or diesel generator and an external source of electricity
Electric Fuel Cell Hydrogen	Propelled by electric motor/s. Electricity is sourced from a hydrogen fuel cell (not batteries)
Electric Fuel Cell Other	Propelled by electric motor/s. Electricity is sourced from a fuel cell other than hydrogen (not batteries)

- Address data for determining the 2017 Area Unit and the 2018 SA2 geographic level are free text. Mistakes may occur with these types of entries (eg mis-spellings). Missing post codes on addresses are listed as Unknown in the provided list.
- The area unit of a registered vehicle is not necessarily the area in which it operates or is based.
- The total number of vehicles includes specified vehicles.

If you would like to discuss this reply with Waka Kotahi NZ Transport Agency, please contact Kerry Greig, Manager, Data Services, by email to [kerry.greig@nzta.govt.nz](mailto:kerry.greig@nzta.govt.nz) or by phone on 04 894 5251.

Yours sincerely



**Galina Mitchelhill**  
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