

30 October 2025

s 9(2)(a)

Tēnā koe s 9(2)(a)

## Your request

Thank you for your request, received on 26 September 2025, under the Official Information Act 1982 (Act) for the following:

*Could you kindly provide access to the following data:*

- *Granular electricity consumption data (preferably at 30-minute or hourly intervals)*
- *For both residential and commercial/industrial sectors, if available*
- *By region or GXP (Grid Exit Point) to support regional analysis*
- *Including timestamps, energy usage in kWh, and any relevant metadata (e.g., tariff, connection ID, supply classification)*

*Additionally, if available:*

- *Matching weather data by region and time (temperature, humidity)*
- *Labels for public holidays, daylight saving changes, or demand response events.*

## Our response

For sake of clarity, I have separated your request into parts and will respond to each part in turn.

*Could you kindly provide access to the following data:*

- *Granular electricity consumption data (preferably at 30-minute or hourly intervals)*
- *For both residential and commercial/industrial sectors, if available*
- *By region or GXP (Grid Exit Point) to support regional analysis*
- *Including timestamps, energy usage in kWh, and any relevant metadata (e.g., tariff, connection ID, supply classification)*

On 17 October 2025, you met with the Manager, Monitoring Projects, to clarify your request. Under section 15 of the Act, the timeframe for your request was reset and the due date for response was changed to 17 November 2025.

Your request is primarily refused under section 18(d) of the Act, as the information requested is publicly available. The links to the relevant information are set out below, together with some additional explanation around how to access the information.

Note that the Electricity Authority Te Mana Hiko (Authority) has recently received a large volume of data from retailers under the [Retail market monitoring notice](#) (RMM Notice). This dataset includes some additional consumption and tariff data not yet reflected in publicly available information. This is because the data requires extensive processing and analysis (currently underway) before it is retrievable or available in a usable form.

To the extent any RMM Notice data could potentially fall within the scope of your request, it is refused under section 18(e) of the Act. This is because it cannot be made available without substantial collation and research. Note that publicly available information will be updated in the future from time to time as appropriate as the RMM Notice information is processed.

### Relevant publicly available information

We understand that the Manager Monitoring and Policy at the Authority has been in contact with you to discuss your request and better understand the information you are seeking in your request. We set out below the relevant links to the publicly available information with some additional explanation to help you find what you need.

Data on half-hourly demand can be downloaded from the EMI demand trends dashboard, here: [Electricity Authority - EMI \(market statistics and tools\)](#). Nodes can be mapped to regions using the table here: [Electricity Authority - EMI \(market statistics and tools\)](#).

Data on demand by consumer type can be downloaded from the following EMI dashboards:

- [Business demand trends](#)
- [Residential consumption trends](#)

Note, if you filter the data down to NZAS this shows the level of demand under demand response it has done in the past. More details on this can be found on Meridian's website.

Industrial nodes can be estimated from this list of conforming and non-conforming nodes: <https://www.ea.govt.nz/pdf>. Please note, these show which nodes are industrial nodes only. The Authority cannot split out residential and industrial demand for all other nodes at any granularity below monthly.

In relation to retailer tariffs, we refer you to the Authority dashboard [Regional power prices | Electricity Authority](#).

This will be updated in the next month using data from the RMM notice.

*Additionally, if available:*

- *Matching weather data by region and time (temperature, humidity)*
- *Labels for public holidays, daylight saving changes, or demand response events*

Weather forecast data can be found at the following two links:

- [GMAO - Modern-Era Retrospective analysis for Research and Applications, Version 2](#)
- [Point Forecast API — MetOcean Solutions](#)

Information on demand response events, specifically dates of warnings about insufficient generation to meet demand (warning notices or grid emergency notices) can be found here: [Formal Notices | Transpower](#). In these instances, Transpower asks for demand to be decreased through controllable load. An example can be found here: [WRN Insufficient Generation offers to meet demand National 5374984112.pdf](#).

Data on consumption related to New Zealand public holidays can be found in Python using the holidays package, here: [holidays · PyPI](#).

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](http://www.ombudsman.parliament.nz) or freephone 0800 802 602.

As this information may be of interest to other members of the public, the Authority may proactively release a copy of this response on our website. All personal data, including your name and contact details, will be removed before publication.

If you'd like to discuss this response with us, please feel free to contact us by emailing [oja@ea.govt.nz](mailto:oja@ea.govt.nz).

Nāku noa, nā,

A handwritten signature in black ink, appearing to read "Airihi Mahuika". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Airihi Mahuika  
**GM Legal, Monitoring and Compliance**