

22 June 2026

S9(2)(a)

By email: S9(2)(a)

Tēnā koe S9(2)(a)

Your request

Thank you for your request, received on 27 May 2026, under the Official Information Act 1982 (the Act) for the following information:

I am seeking data on how much extra power (MW) was added to the grid each year. Specifically would like for the years 2009 to 2026 the extra power (gross not net) added to the grid through additional power stations. Ideally divided into renewable and non-renewable

We clarified that you were primarily interested in GWh (energy) added to the grid during that time period.

Our response

The information you have requested is attached as Appendix 1.

This file contains the annual energy in GWh added to the grid each year between 2009 and 2026 (as of 15 June 2026), split into renewable and non-renewable generation. This data includes grid-connected generation only – information on embedded generation trends can be found here:

[Electricity Authority - EMI \(market statistics and tools\)](#).

In addition, published background information on commissioned plants included (up to September 2025 only) can be found here: [Existing generation fleet | Electricity Authority](#). For information on plants commissioned after September 2025, please refer to the investment pipeline updates in our fortnightly reports to the Minister for Energy, which are published here: [Fortnightly reports | Electricity Authority](#), which include our fortnightly reports up to March 2026.

The following capacity factors¹ assumptions were used to calculate annual GWh for each generation type: 0.163 for solar generation, 0.4 for onshore wind, 0.95 for geothermal, 0.3 for open cycle gas turbines, and 0 for grid-connected batteries. Capacity factor assumptions are based on a 2023 generation investment survey which can be found here: [Generation investment survey](#).

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.

¹ Capacity factors used here are the assumed energy output of a power plant relative to its maximum possible output over a given period (here one year).

As this information may be of interest to other members of the public, the Electricity Authority Te Mana Hiko 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 oia@ea.govt.nz.

Nāku noa, nā,

A handwritten signature in black ink, appearing to read 'Airihi Mahuika', with a long horizontal flourish extending to the right.

Airihi Mahuika
GM Legal, Monitoring and Compliance

Attachments:

Appendix 1 – CommissionedGenerationGWhByYear.csv