

Electric Water Heaters

How to meet energy efficiency regulation requirements

Electric storage water heaters, (electric water heaters), sold or hired in New Zealand must, by law – even if they come packaged with a product – comply with [minimum energy performance standards \(MEPS\)](#) requirements. This document outlines the requirements and how to meet them if you import or manufacture electric water heaters in New Zealand.

Why have MEPS for electric water heaters?

Minimum energy performance standards (MEPS) prevent poorly performing electric water heaters from entering our market and bring significant savings to consumers and considerably reduce greenhouse gas emissions over the life of these products.

Which electric water heaters are included?

MEPS covers:

- Electric storage displacement water heaters with a nominal capacity from 6.5 L to 630 L inclusive,

What do I need to do to comply with the law?

Importers and manufacturers of electric water heaters, are required to:

- [Step-1](#) Ensure each electric water heater model has been tested to **AS/NZS 4692.1:2005, NZS 4606.1:1989 or 4602:1988** and ensure each electric water heater model meets or exceed the minimum energy performance levels specified in **AS/NZS 4692.2:2005**.
- [Step-2](#) Labelling: **N/A**
- [Step-3](#) Register each electric water heater model through the energy rating website.
- [Step-4](#) Provide EECA with product sales, import and export data each year.

Retailers are required to check their products are registered on the [energy rating website](#).

See the questions and answers below for more information

Which electric water heaters are excluded?

MEPS does ***not*** apply to;

- Water heaters that use electric-resistive heating to provide less than 50% of the energy supplied in a typical year (e.g., heat pump and solar water heaters) when simulated to AS 4234 under Climate Zone 3 with an energy delivery of 22.5 MJ/day for an electric boosting heating unit and energization profile specified by the manufacturer,
- Vented water heaters, with an attached feed tank, that have a hot water delivery of less than 125 L, or
- Water heaters that are not intended for electric power grid connection (e.g., for use in vehicles and marine applications).

Which standards apply?

For storage water heaters (electrically heated):

AS/NZS 4692.2:2005: Electric water heaters—Minimum Energy Performance Standard (MEPS) requirements and energy labelling.

AS/NZS 4692.1:2005: Electric water heaters—Energy consumption, performance and general requirements, or

NZS 4606.1:1989: Storage water heaters—General requirements.

For low-pressure copper thermal storage electric water heaters:

AS/NZS 4692.2:2005: Electric water heaters—Minimum Energy Performance Standard (MEPS) requirements and energy labelling.

AS/NZS 4692.1:2005: Electric water heaters—Energy consumption, performance and general requirements, or

NZS 4602:1988: Low pressure copper thermal storage electric water heaters.

Standards are available for purchase from www.standards.co.nz and for inspection at [EECA's head office](#).

How do I register an electric water heater on the energy rating website?

If the electric water heater you are about to register is already registered you are not required to register it. To check, search for the model at: reg.energyrating.gov.au/comparator/product_types.

If it is not already registered download our quick start guide at: www.eeca.govt.nz/resource/online-product-registration-guide.

If you haven't used the energyrating.gov.au website before, follow these instructions:

Step 1 Open the registration page: reg.energyrating.gov.au/accounts/register.

Step 2 Create an account and log in.

Step 3 Create an applicant, add contact people etc. as required.

Step 4 Create a new product registration (you will need a test report).

Step 5 Select 'Hot Water (HW)'.

Step 6 Follow the steps until all fields are complete.

Step 7 Once submitted you will be e-mailed a Registration ID. Record this as you will need it to provide sales data each year.

What information do I need to provide to EECA each year and how do I do it?

Importers and manufacturers are required, by law, to provide statistical information on sales, import and export data annually to EECA.

Data needs to be submitted every year by 1 August, for the period 1 April to 31 March. For example, data from 1 April 2013 to 31 March 2014 must be received by 1 August 2014. The information is submitted through the EECA website where you need to:

Step 1 Set up a user account at www.eeca.govt.nz/webform/request-user-account.

Step 2 Once approved, log in at www.eeca.govt.nz/user/register/supplier/login.

Step 3 When logged in follow the links and instructions for the EECA sales data return tool.

Step 4 Enter your product data - you will need your Registration ID number - the following information is required for each registered model:

- Sales in New Zealand between 1 April and 31 March.
- Imports into New Zealand between 1 April and 31 March.
- Exports from New Zealand between 1 April and 31 March.

Where do I get additional information?

More information about regulated products and how to meet your legal obligations can be found at www.eeca.govt.nz/product-standards.

See the [running costs calculator](#) to find out how choosing a higher star rating can reduce the running costs of products.

There is also information on the energy rating website at www.energyrating.gov.au.

If you have any questions, please email us at compliance@eeca.govt.nz, or phone EECA on **0800 358 676**.