

NZECS Registry

Release Documentation

Version/s covered in this document	v1.3.0, v1.3.1, v1.4.0
Interval in which changes occurred	27th January - 22nd February 2022

Summary

The most recent changes to the Registry enable Registrants to capture more Production Device information in the system. Also, Participants can provide decimal consumption values for ICPs, and re-use existing contact details across multiple Energy Users.

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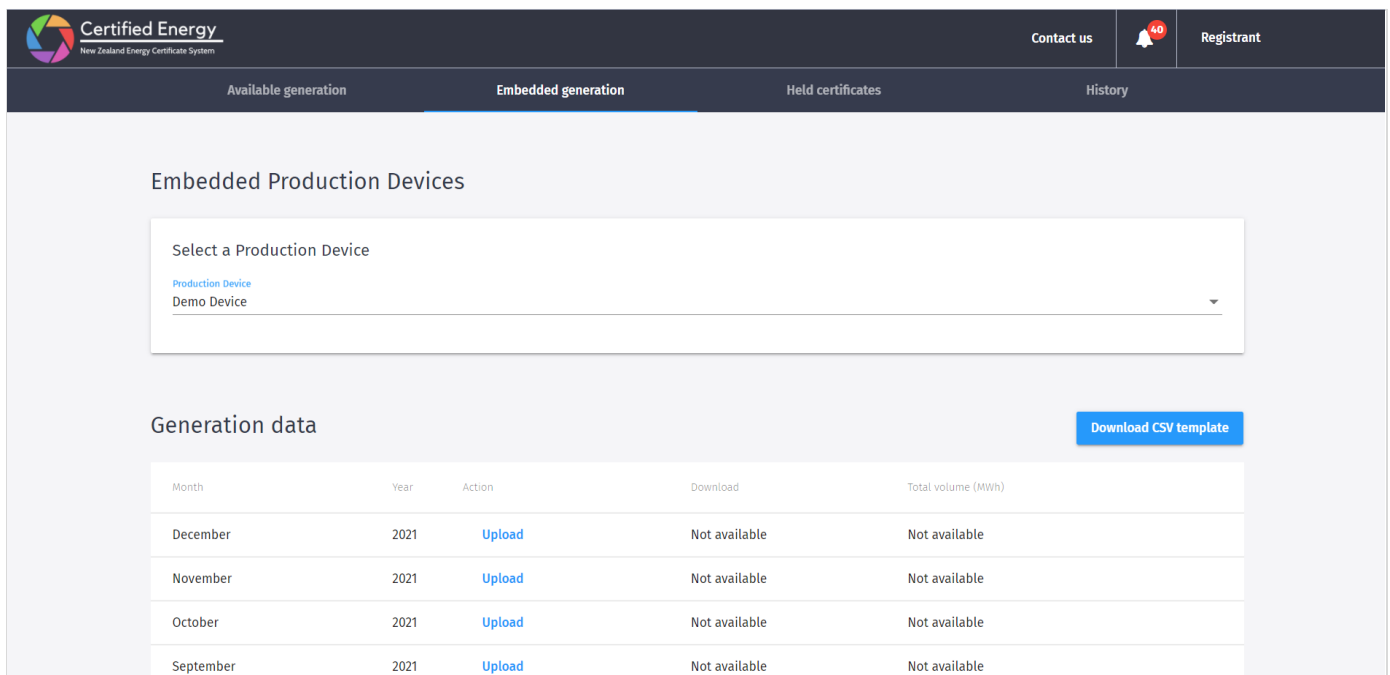
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Release changes: Registrants

Embedded generation data

Until now if a Production Device’s generation volumes could not be found in data supplied by [EMI](#), admin would have to work with the Registrant to manually obtain data via email and manually track remaining available generation after certificates were issued.

Registrants can now upload and manage this information directly in the Registry, under the new “Embedded Generation” tab.



The screenshot shows the 'Embedded generation' tab in the Certified Energy system. At the top, there is a navigation bar with 'Available generation', 'Embedded generation' (selected), 'Held certificates', and 'History'. On the right, there are links for 'Contact us', a notification bell with '40', and 'Registrant'. The main content area is titled 'Embedded Production Devices' and features a dropdown menu labeled 'Select a Production Device' with options for 'Production Device' and 'Demo Device'. Below this is a 'Generation data' section with a 'Download CSV template' button. A table displays generation data for the months of September, October, November, and December in 2021. Each row includes an 'Action' column with an 'Upload' link, a 'Download' column with 'Not available', and a 'Total volume (MWh)' column with 'Not available'.

Month	Year	Action	Download	Total volume (MWh)
December	2021	Upload	Not available	Not available
November	2021	Upload	Not available	Not available
October	2021	Upload	Not available	Not available
September	2021	Upload	Not available	Not available

Embedded generation web-page

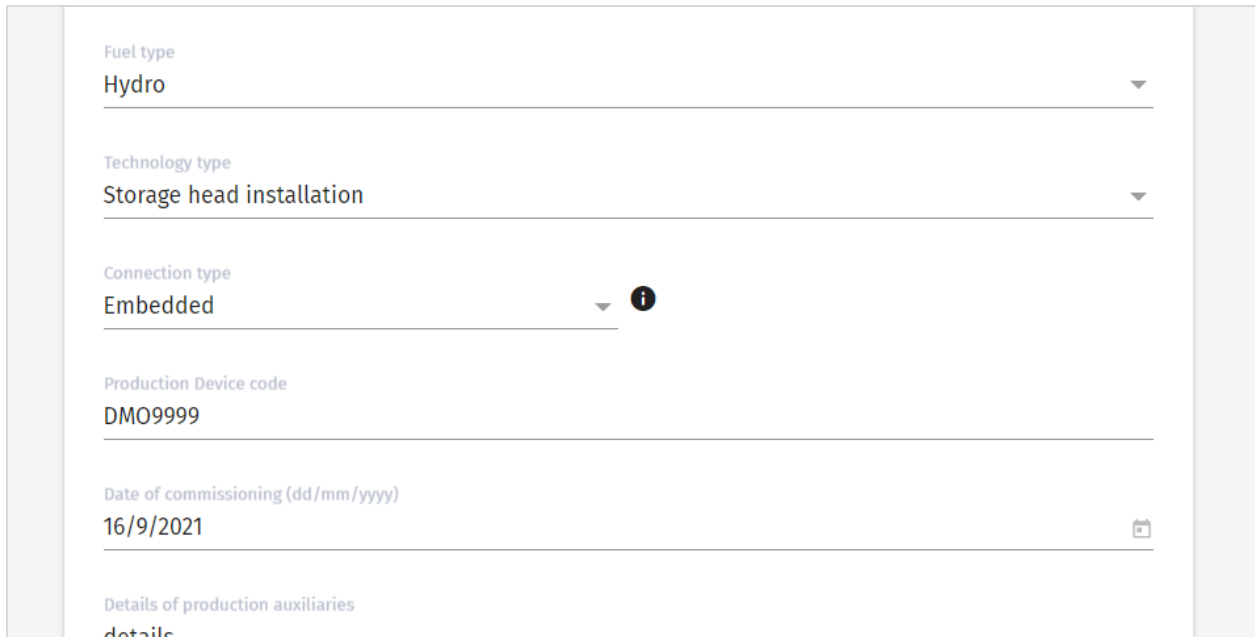
Any Production Device that is classified as embedded - and therefore their generation volumes cannot be found on [EMI](#) - can be selected on this page.

All existing Production Devices that we understand are embedded have already been classified as such by admin.

Once uploaded generation data is approved by admin, your “Available Generation” will be tracked directly in the Registry.

Registrants can override previously uploaded data if needed, with admin approval.

If you own/manage an embedded Production Device, our admin will assign it a Production Device code. This will act in place of a POC code, and can be used to upload generation data. You can view your Production Device's code using the "View" option.



The screenshot shows a registration form with the following fields:

- Fuel type: Hydro
- Technology type: Storage head installation
- Connection type: Embedded (with an information icon)
- Production Device code: DMO9999
- Date of commissioning (dd/mm/yyyy): 16/9/2021
- Details of production auxiliaries: details

A Production Device's code is listed under its connection type

You can also find it when you click the Upload button on the Embedded generation page.

From now on, during the registration process of a Production Device, it must be declared as either grid-connected or embedded.

Emissions factors

Emissions factors are provided to Energy Users via the purchase of certificates, for emissions reporting purposes.

Registrants can now upload detailed emissions factors related to a Production Device's generation independently, including CO₂ equivalent and biogenic emissions.

Emissions factors

[Associated carbon dioxide equivalent \(t/MWh\)](#) ⓘ

Related emissions factors ^

[Associated fossil carbon dioxide \(t/MWh\)](#)

[Associated fossil methane \(t/MWh\)](#)

[Associated nitrous oxide \(t/MWh\)](#)

[Associated biogenic carbon dioxide \(t/MWh\)](#)

[Associated biogenic methane \(t/MWh\)](#)

Fossil emissions are considered a subset of CO₂-eq

These fields are optional, and will accept any decimal number greater than or equal to zero, up to two decimal places.

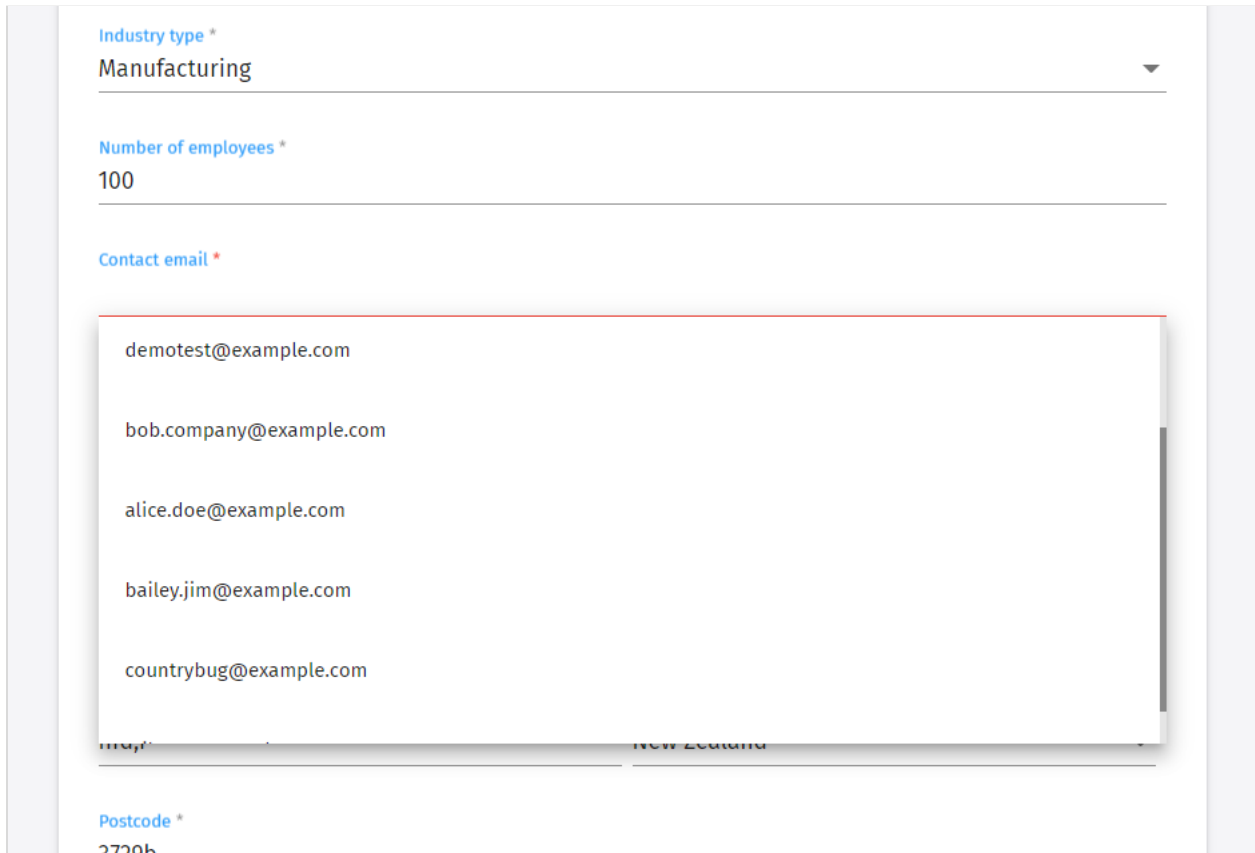
We recommend calculating and reporting “Associated carbon dioxide equivalent” in line with the latest AR6 IPCC GWP values.

Release changes: Participants

Link one email address to multiple Energy Users

If a Participant is creating a new Energy User, or editing an existing one, they can now select a previously provided contact email address from a drop-down list of options.

The contact name and phone number will automatically be copied to their respective fields.



The screenshot shows a form with the following fields:

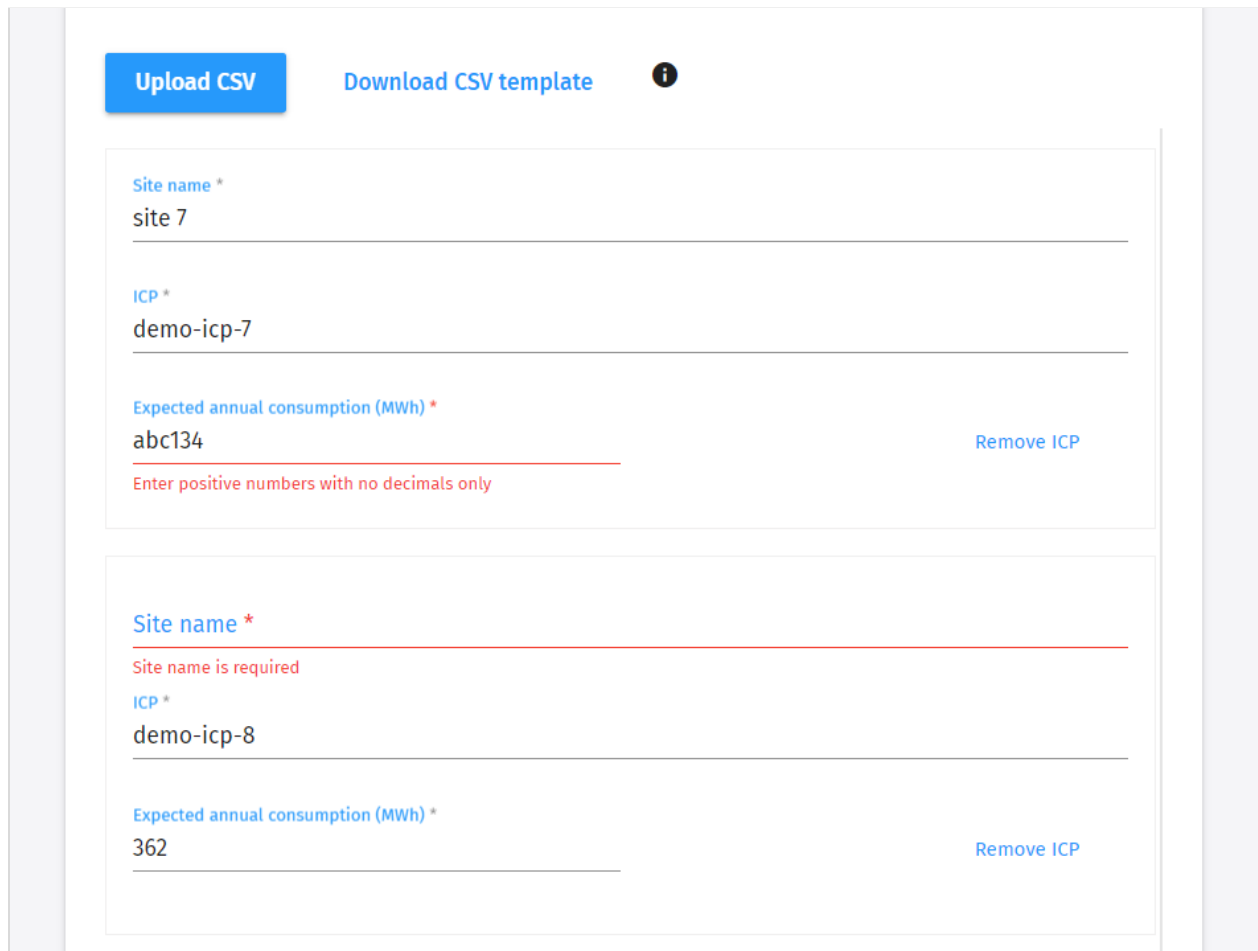
- Industry type ***: Manufacturing
- Number of employees ***: 100
- Contact email ***: A dropdown menu is open, displaying a list of email addresses:
 - demotest@example.com
 - bob.company@example.com
 - alice.doe@example.com
 - bailey,jim@example.com
 - countrybug@example.com
- Postcode ***: 3729h

After a short loading period, a dropdown list of existing email addresses will appear

ICP upload: user interface improvements

Currently, when editing or creating an Energy User, if an ICP site list is provided via CSV, all invalid records are discarded.

Now, all records will be uploaded, with ICP sites containing any errors grouped together and will appear at the bottom in the ICP list. This will make it easier to fix invalid data within the Registry's user interface, rather than being required to edit the CSV.



The screenshot shows a user interface for uploading ICP sites. At the top, there are two buttons: "Upload CSV" (highlighted in blue) and "Download CSV template". To the right of these buttons is an information icon (a lowercase 'i' inside a circle). Below the buttons is a list of ICP sites. Each site is represented by a form with three fields: "Site name *", "ICP *", and "Expected annual consumption (MWh) *".

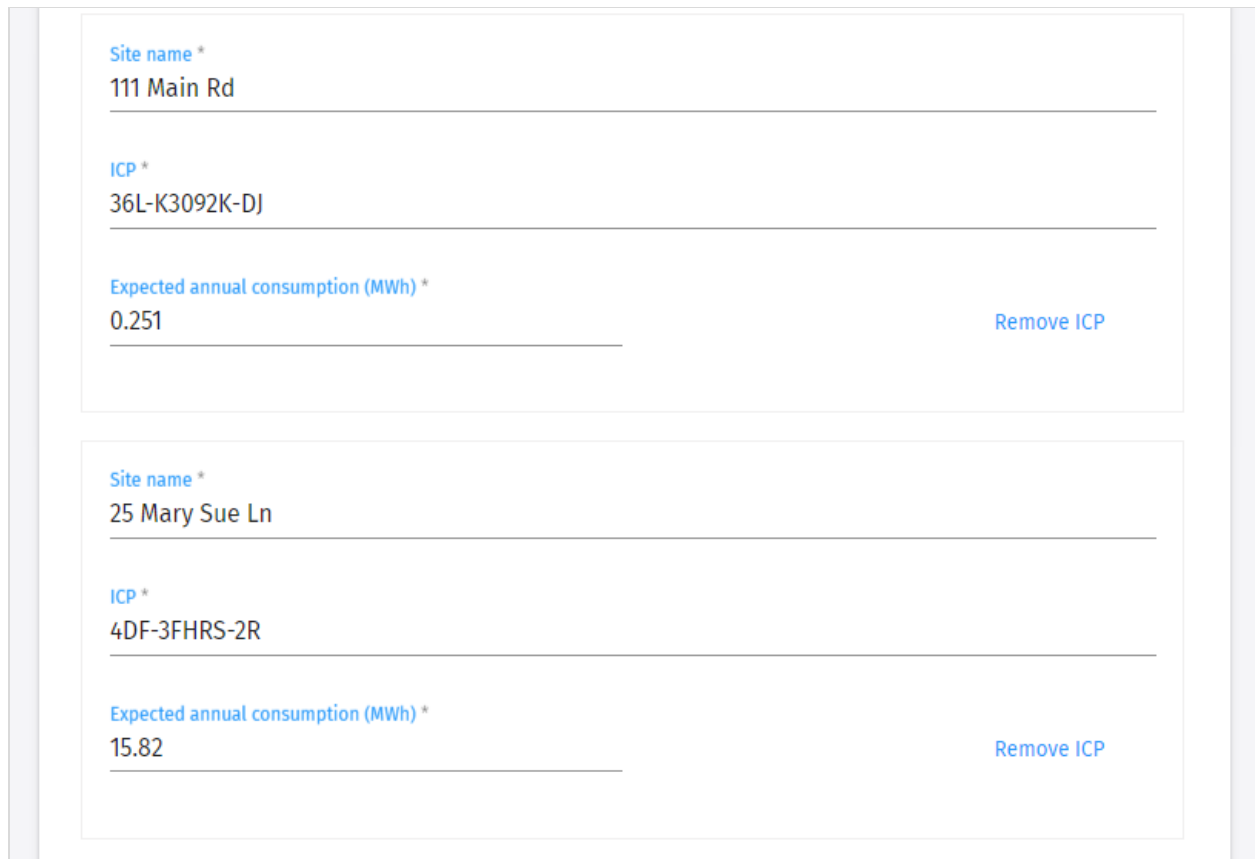
Site name *	ICP *	Expected annual consumption (MWh) *	Action
site 7	demo-icp-7	abc134	Remove ICP
Site name is required	demo-icp-8	362	Remove ICP

Below the table, a red error message "Site name is required" is displayed under the "Site name *" field of the second row. A red underline is also present under the "Site name *" field of the second row. A red error message "Enter positive numbers with no decimals only" is displayed under the "Expected annual consumption (MWh) *" field of the first row.

All sites will be uploaded and ordered, with invalid sites at the bottom

ICP upload: decimal values

In alignment with a change in our rounding scheme, when providing an ICP's "Expected annual consumption", Participants can now provide a decimal value:



The screenshot displays two separate ICP entry forms. Each form contains three input fields: 'Site name *', 'ICP *', and 'Expected annual consumption (MWh) *'. The first form has '111 Main Rd' for the site name, '36L-K3092K-DJ' for the ICP, and '0.251' for the consumption, with a 'Remove ICP' button to the right. The second form has '25 Mary Sue Ln' for the site name, '4DF-3FHRS-2R' for the ICP, and '15.82' for the consumption, also with a 'Remove ICP' button to the right.

Any ICP can be a decimal or whole number, up to 3 decimal places

This field is still compulsory and must be greater than zero. However, values between zero and one no longer need to be rounded up to one.

The "total expected annual consumption" value is still a whole number; it is the sum of all ICP sites consumption, rounded up.

For example, if there are two ICP sites with consumption values 10.50MWh and 10.8MWh, then the total expected annual consumption will be:

$$10.5 + 10.8 = 21.3 \rightarrow \mathbf{22MWh}$$

This is the number that is used when verifying the redemption of a certificate bundle against an Energy User.

Feedback

Feedback from our users is always appreciated. If you have any comments or suggestions, please use this [feedback form](#).