

Electricity Primary Energy and CO₂ Factors update in DEAP4

What this means to assessors in the DEAP 4 interface

Electricity conversion factors in **DEAP4** will be updated on **31-01-2023**, therefore when an assessor opens a survey that was created before this date, the Energy Value and CO₂ emission shown in DEAP4 will be recalculated according to the new factors, regardless of survey status.

New visual changes in DEAP4 – pop-up notices:

When opening a BER in DEAP that was published before **31-01-2023 (6:30 pm)**, the following notice will be displayed:

Notice

The electricity factors in this assessment have been updated to the current values and as a result the Energy value and CO₂ Emission value shown in DEAP will not match the published results in NAS, the Public Search, the BER Cert, the Advisory Report, Dwelling Report and Part L Report (if applicable).

ACCEPT

In case of a BER sent to NAS before **31-01-2023 (6:30 pm)**, but not published yet, the notice in DEAP will be as follows:

Notice

The electricity factors in this assessment have been updated to the current values and as a result the Energy value and CO₂ Emission value shown in DEAP will not match the values in NAS. This NYP BER can be published using the old electricity factors or discarded and resent to NAS using the current factors.

ACCEPT

Simulating previous electricity factors

In the DEAP software, there is an option to simulate the BER result for the previous electricity factors. The option is only available for surveys 'In Progress', so an assessor will need to create a copy of the survey to simulate older conversion factors for published BER assessments.

Delivered energy [kWh/y]	Primary energy [kWh/y]	CO2 emissions [kg/y]
Main space heating system	9,357	15,649
Secondary space heating system	0	0
Main water heating system	2,779	4,648
Supplementary water heating system	0	0
Cooling	0	0
Pumps, fans, electric showers	121	212
Energy for lighting	249	436
CHP input (individual heating systems only)		
CHP electrical output (individual heating systems only)		

Delivered energy [kWh/y]	Primary energy [kWh/y]	CO2 emissions [kg/y]
Energy produced or saved	1,000	1,750
Energy consumed	0	0
Total	11,506	19,194
Per m ² floor area	141.86	236.65

Date	Energy	Emissions
Current	1.75	0.224
7th Apr 2017 - 17th Jan 2023	2.08	0.409
7th Jan 2016 - 6th Apr 2017	2.19	0.473
17th Dec 2014 - 6th Jan 2016	2.37	0.522
11th Dec 2013 - 16th Dec 2014	2.45	0.555
11th Dec 2012 - 10th Dec 2013	2.42	0.524
1st Dec 2011 - 10th Dec 2012	2.58	0.556
Pre 30th Nov 2011 - 30th Nov 2011	2.70	0.643

As shown in the screenshot above, the current and historical primary energy and CO₂ factors for electricity are displayed on the right-hand side of the 'Results' section. An assessor can select the required factors by clicking the relevant check box.

DEAP software will display an orange-highlighted notice informing about the simulation and will recalculate the results according to the selected factors. Please note that it is impossible to publish a BER with simulated electricity factors – the advisory report button on the right-hand side panel and the 'Send to NAS' arrow in the upper right corner will be greyed out.

However, it is possible to create a Dwelling Report and draft Part L Report with simulated electricity factors at this stage.

You are currently simulating your survey and assessment with fuel factors from 7th Apr 2017 - 17th Jan 2023. You will not be able to send your survey to NAS or publish it until you turn the simulation off. **TURN OFF**

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Supplementary water heating system	0	0
Cooling	0	0
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CHP input (individual heating systems only)		
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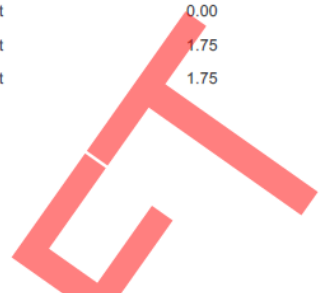
To turn the simulation off, an assessor must click the check box again or click the 'Turn off' button at the top bar.

Part L Report – additional page

An additional page (#7) will be added to the Part L report, showing the conversion factors for each category of space and water heating systems, cooling, lighting, pumps & fans. An example is as follows. Please note that the word ‘Current’ refers to the factors that were current at the date of publication of the BER.

Energy Requirements: Individual Heating Systems

	Fuel Type	Electricity Fuel Factors Date	Primary energy conversion factor	CO ₂ emission factor
Main space heating system	Electricity	Current	1.75	0.224
Secondary space heating system	None	Current	0.00	0.000
Main water heating system	Electricity	Current	1.75	0.224
Cooling System	None	Current	0.00	0.000
Pumps, fans	Electricity	Current	1.75	0.224
Energy for lighting	Electricity	Current	1.75	0.224



In the case of simulation mode, the relevant date range and factors will appear there:

Energy Requirements: Individual Heating Systems

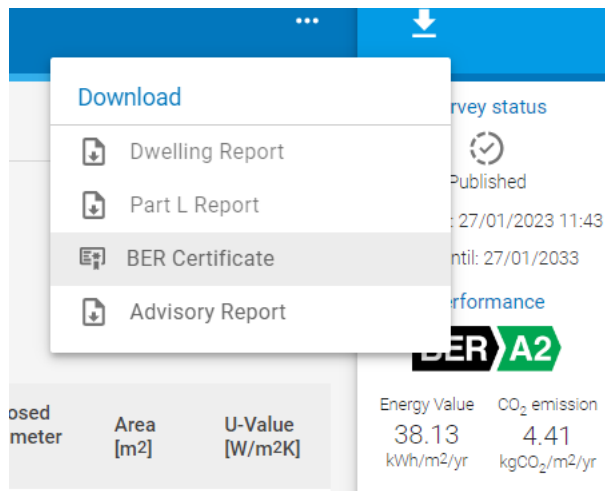
	Fuel Type	Electricity Fuel Factors Date	Primary energy conversion factor	CO ₂ emission factor
Main space heating system	Electricity	7th Jan 2016 - 6th Apr 2017	2.19	0.473
Secondary space heating system	Wood Logs	7th Jan 2016 - 6th Apr 2017	1.10	0.025
Main water heating system	Electricity	7th Jan 2016 - 6th Apr 2017	2.19	0.473
Cooling System	None	7th Jan 2016 - 6th Apr 2017	0.00	0.000
Pumps, fans	Electricity	7th Jan 2016 - 6th Apr 2017	2.19	0.473
Energy for lighting	Electricity	7th Jan 2016 - 6th Apr 2017	2.19	0.473



Part L Report and Dwelling Details Report

For all BERs published after 31-01-2023, the Dwelling Report and Part L report (if applicable) will be generated automatically at the time of publication (currently they are generated each time the assessor clicks on the relevant link).

The BER Cert and the Advisory Report will be available for download immediately after publication, but the links to Part L Report and Dwelling Report will be greyed out for approximately 30 seconds while the system generates multi-page PDFs.



Once generated, all reports will be saved and available for download at any time in the future without delays.