



For Biomass Installations - Installer Metering Questions (IMQs) for the Domestic RHI application form

For biomass installations metered for scheme payments

This form is for customers with biomass installations who need to install [metering for payment](#).

How this document works

This document contains the questions about metering for payments on the Domestic RHI application form.

If you are the MCS certified installer who is responsible¹ for the meter installation: you must complete this document, sign the declaration (at the end) and hand it (or a copy) to your customer who will be applying to the scheme. Depending on your earlier answers to questions 2.2 and 2.6 you will also have to provide supporting information using our [Alternative Metering Arrangement Template](#). It is strongly recommended that you read the [Essential Guide to Metering](#) before completing this form.

If you are the customer:

- You must use this completed document to answer the metering questions in the metering for payment part of the online application form.
- Only if required, your installer will give you a separate document called an alternative metering arrangements template with supporting information related to questions 2.2 and 2.6. Email it to us along with a copy of this document (the installer metering questions) to DomesticRHI@ofgem.gov.uk as part of your application.
- We recommend that you read the [Essential Guide for Applicants](#) and relevant sections of the [Essential Guide to Metering](#) before submitting your application.

Terminology used throughout

SH: Space Heating; **DHW:** Domestic Hot Water; and **HWC:** Hot Water Cylinder

Packaged Heat Meters: The heat meter is bought as one unit containing all components

Non-Packaged Heat Meters: The heat meter components are bought and combined separately

¹ If the Biomass Boiler/ Stove is a legacy installation (ie installed before scheme launch) it may be that the meters were also installed before scheme launch. If this is the case an MCS Certified Installer must be responsible for their arrangement and specification in ensuring that it meets the Domestic RHI Regulatory Requirements.

1. MCS Certified Installer Contact Details

1.1 Name of Metering Installer:

1.2 Metering Installer's MCS Certificated Company Name:

1.3 Metering Installer's MCS Certificated Company MCS Number:

1.4 MCS Installation Certificate Number:

1.5 Metering Installer's Company Address:

1.6 Metering Installer's Company Phone Number:

1.7 Biomass Installation Address:

2. Installer Metering Questions (IMQs) for a biomass installation

2.1 **Is the biomass installation:** (please check appropriate box)

a. a biomass boiler

b. a biomass stove

2.2 **Can one or more heat meters be installed to measure the heat output from the Domestic RHI biomass installation alone?** (please check appropriate box)

a. **Yes**

The heat meters measure heat output from the biomass installation only and this does not include any heat contribution from any other heat source³?

b. **No**

The heat meters include heat output from both the biomass installation and an additional heat source¹.

If **No**, the installation will require an alternative metering arrangement³ and you must provide your applicant with some supporting information within our alternative metering arrangement template as to how the meters are arranged to enable only the eligible renewable heat output from the biomass installation to be calculated.

Please complete the [Alternative Metering Arrangement Template](#) requesting:

- A simple illustration/schematic showing the metering arrangement.
- A written description as to why the heat output from the biomass installation cannot be metered alone.
- Information relating to what the additional heat source is.

² Heat source: this relates to any additional heating plant or heat source used on the system that contributes to the metered heat output figure of the biomass installation. This heat source could be anything from a fossil fuel boiler to another ineligible renewable energy technology.

³ Please refer to the alternative metering arrangements section in the Ofgem Domestic RHI Metering Guidance document.

2.3 How many heat meters have been installed? (please check appropriate box)

- a. One heat meter (HM1);
- b. Two heat meters (HM1 + HM2);
- c. Three heat meters (HM1 + HM2 + HM3);
- d. Four heat meters (HM1 + HM2 + HM3 + HM4);
- e. If none of the above (ie five or more heat meters have been installed) please specify the number and in addition ensure that your customer (the applicant) emails a copy of these completed 'Installer Metering Questions' to us at DomesticRHI@ofgem.gov.uk

2.4 What does the Domestic RHI biomass installation provide heat for? (please check appropriate box)

- a. Space Heating (SH) only;
- b. Space Heating (SH) **and** Domestic Hot Water (DHW);

2.5 If the Domestic RHI biomass installation is supplying a combination of SH and DHW, has a heat meter been installed after the Hot Water Cylinder⁴ (HWC)? (please check appropriate box)

- a. **Yes:** What is the label next to this heat meter (eg HM1, HM2, HM3 etc).....
Please answer the next question; then go to **section 3.**
- b. **No:** Go to section 3.

2.6 If a heat meter has been installed after the HWC, does the HWC use an additional supplementary heat source? For example, uses an electric immersion heater; or is a twin coil HWC with a secondary heating coil fed from a fossil fuel heat source? (please check appropriate box)

- a. **No:** the biomass installation alone heats the hot water in the HWC; OR
- b. **Yes:** the HWC uses a supplementary heat source.

If **Yes**, the installation will require an alternative metering arrangement⁵. You must provide your applicant with some supporting information within our [Alternative Metering Arrangement Template](#) as to how the meters are arranged to enable only the eligible renewable heat output from the biomass installation to be calculated.

Please complete the **Alternative Metering Arrangement Template** requesting:

- A simple illustration/ schematic showing the metering arrangement.
- A written description as to why the heat output from the biomass installation cannot be metered alone with meters installed **before** the HWC.
- Information relating to what the supplementary heat source feeding the HWC is.

⁴ This might occur where there are space issues associated with installing a heat meter before the HWC.
Please be aware that this question only relates to HWCs and should not be confused with buffer tanks/ thermal stores.

⁵ Please refer to the alternative metering arrangements section in the Ofgem Domestic RHI Metering Guidance document.

3. Technical Meter Specification Questions:

Please complete one of the following two tables depending upon whether the installation uses packaged or non-packaged meters.

3.1 Packaged heat meters, please provide the following:

Meter Label	Manufacturer	Model	Serial Number
<i>Example: HM1</i>	<i>Abcdef Ltd.</i>	<i>Multical 602</i>	<i>12345678/2017</i>
HM1			
HM2 (only answer if 2 meters)			
HM3 (only answer if 3 meters)			
HM4 (only answer if 4 meters)			

3.2 Non-packaged heat meters, please provide the following for each component:

Meter Label	Component	Manufacturer	Model	Serial Number
<i>Example: HM1</i>	<i>Flow meter</i>	<i>Abcdef Ltd.</i>	<i>L500</i>	<i>ABC1234</i>
	<i>Temperature sensor 1</i>			
	<i>Temperature sensor 2</i>			
	<i>Digital calculator</i>	<i>Abcdef Ltd.</i>	<i>Multical 602</i>	<i>123456</i>
HM1	Flow meter			
	Temperature sensor 1			
	Temperature sensor 2			
	Digital calculator			
HM2 (only answer if 2 meters)	Flow meter			
	Temperature sensor 1			
	Temperature sensor 2			
	Digital calculator			
HM3 (only answer if 3 meters)	Flow meter			
	Temperature sensor 1			
	Temperature sensor 2			
	Digital calculator			
HM4 (only answer if 4 meters)	Flow meter			
	Temperature sensor 1			
	Temperature sensor 2			
	Digital calculator			

3.3 Opening meter readings:

Please provide meter readings below for each of the meters used and the dates the readings were taken⁶

Meter Label	Date of Meter Readings (DD/MM/YYYY)	What units? (kWh/MWh)	Meter Reading
<i>Example: HM1</i>	<i>14/04/2014</i>	<i>kWh</i>	<i>0002</i>
HM1			
HM2 (only answer if 2 meters)			
HM3 (only answer if 3 meters)			
HM4 (only answer if 4 meters)			

3.4 Declarations

I declare that:

- All meters have been labelled appropriately (ie HM1, 2 etc).
- All heat meters installed are MID Class 3 compliant or better.
- All meters are properly calibrated.
- All meters are properly installed in accordance with manufacturer's instructions.
- The metering arrangement, to the best of my knowledge, has been installed in line with the MCS Domestic RHI Metering Guidance Document.
- I have advised the customer on the correct procedure to read the meters.
- I have advised the customer of their obligation for providing ongoing quarterly meter readings and the implications if they fail to do so.

Installer name: (Please print clearly)

Installer signature:

Date: (DD/MM/YYYY)

⁶ If these meters readings are to be used as the baseline meter readings for payments to start, they can have been taken up to 2 weeks before the date that your customer makes their application. It is preferable to receive meter readings taken on the date of application by the customer as otherwise we will need to estimate the likely payments between the date of the meter readings and application for subtraction from the first quarterly payment.