

CHP Quality Assurance for Combined Heat & Power Form F2(S) – CHP Scheme Description

This simplified form only applies to Reciprocating Engine CHP schemes that:

- are less than 2MWe CHP_{TPC} in size
- use only a single conventional fuel e.g. natural gas, diesel
- only include a single prime mover (CHP package) within the scheme boundary i.e. no heat only boilers

This form is intended for applicants with one or more schemes on the same site that have a total capacity not exceeding 2MWe. To use this form, a separate form must be completed for each scheme.

NOTES:

- On this Form you need to provide details of the Scheme for which you are applying for CHPQA Certification.
- You need to re-submit this form only if there is an addition or change to the Scheme.
- To complete this form, should refer to the most up-to-date version of the CHPQA Forms, Standard (Issue 5) and Guidance Notes, e.g. GN2(S), GN12, etc., found on <http://chpqa.decc.gov.uk/> – if you cannot access the internet you can get a hard copy from The Programme Administrator
- Guidance Note GN2(S) has been written to help you complete this Form.
- Information provided on this Form will be stored electronically and treated in the strictest commercial confidence. Only the Government or its agents will use it, for the sole purpose of the CHPQA programme including collection and collation of national statistics.

This Form should be completed and returned to The Administrator, CHPQA programme, The Gemini Building, Fermi Avenue, Didcot OX11 0QR.

1. SCHEME IDENTIFICATION

Site Name :	Site ref.*
Company Name :	Scheme ref. [Office use only]

* The Programme Administrator will provide you with this Site ref. once Form F1 is processed.

2. ECONOMIC SECTOR

2.1 Which sector best describes the site on which your Scheme is located. _____ e.g. Public Administration - Health, Commerce - Hotels, etc See GN12.1 for list

3. SCHEME DESCRIPTION

3.1	Scheme applying for Certification is Existing, or Mothballed? (please state)
3.2	CHP fuel billing period (tick box or Other) Quarterly <input type="checkbox"/> Monthly <input type="checkbox"/> or Other

The Attachment shown in the table below is required to accompany this form See GN12.2 to GN12.4

- Generic Scheme Energy Flow Diagrams are available from the CHPQA web site <http://chpga.decc.gov.uk/>
- when using these please select the diagram corresponding to your scheme and fill in the missing details

Drawings attached	Drawing No.	Check boxes
3.3 Scheme Energy Flow Diagram		Enclosed (tick box) <input type="checkbox"/>

4. SCHEME DETAILS (LIST OF EQUIPMENT)

- Use this table to provide details of the prime mover.
- Enter details of your Scheme’s heat and power output capacities (from manufacturer's data)
- Identify the prime mover on your Scheme Energy Flow Diagram by the tag number given in the table below. See GN12.3.

Tag number	Manufacturer	Model/ Type	Year commissioned	Heat Output kW	Power Output (from manufacturers data) kW _e
RE1					
Total Power Capacity (as electrical output) = CHP _{TPC}					kW _e

5. SCHEME DETAILS (MONITORING ARRANGEMENTS)

- Use this table to list all existing and proposed metering stations (including your main gas meter point reference number “MPRN”) for your Scheme inputs and outputs. See GN12.7 to 12.13
- Each meter should be identified on your Scheme energy flow diagram See GN12.3
- Attach details of any indirect methods used to derive unmetered inputs or outputs.

Tag Number	Existing or Proposed	Serial Number	Year Installed	Model/ Type	Metered Service	Metered Outputs	
						Range	Units
M1(FcQ)					Gas(Main MPRN)		
M2(FcQ)					Gas (CHP)		
M3(EQ)					Electricity (CHP)		
M4 (HQ)					Heat (CHP)		

6. SCHEME CAPACITY

- Enter details of your Scheme’s capacities (from manufacturer's data) See GN12.14
- Note: for schemes with no heat rejection facility maxheat can be assumed to be the heat output at full load of the CHP scheme or where not known 1.5 times the CHP_{TPC}
- Note: for schemes with a heat rejection facility maxheat will usually equal the scheme heat output at full load although this should be checked. See GN10

**Do NOT
write in
the margin.
For office
use only**

6.1 CHP Total Power Capacity - CHP_{TPC}	(from Section 4)	kW_e
6.2 CHP Total Heat Capacity	(from Section 4)	kW_t

DECLARATION

- I confirm that I am the nominated Responsible Person for the operation of the Scheme described.
- I confirm that I have supplied all necessary information as required by the Administrator under the CHPQA programme for Form F2(S) and that all information provided is correct and conforms to the requirements set out in the CHPQA Standard.
- I undertake to inform the CHPQA programme should any of the above details (e.g. scheme boundaries or installed equipment) change material to the performance of the Scheme.
- I agree to submit my Self-Assessment to be validated and, if required, Audit.

Signature _____ Date _____

Name _____ (capitals) Position _____

The CHPQA programme is carried out on behalf of the Department of Energy and Climate Change, the National Assembly for Wales, and the Northern Ireland Department of Enterprise, Trade and Investment.