

Date: 14/05/2019

FREEDOM OF INFORMATION REQUEST FOI/014755 – Gas appliances

I am contacting you from Environmental Resources Management (ERM). We are currently working on a project funded by the UK Government, Hy4Heat, looking at the potential transition to hydrogen in the gas distribution network as an alternative to natural gas.

The project has been split into several work packages, with our work being carried out on Work Package 5 (WP5). WP5 is set to determine the viability of 100% hydrogen being fed as a fuel gas to gas appliances in the commercial sector (dominated by heating and catering appliances).

To establish the scope of the task at hand, we are in the process of characterising the current market – including making an estimate of the installed base of commercial gas appliances in the UK.

As means of assisting in this stage of the project, we are looking to gather data from NHS Trusts on the gas appliances installed across their facilities. The health sector consumes more natural gas than any other as means of powering heating, so to acquire this information would aid our research considerably.

Below is detailed the information we are requesting – while it may not be available in such depth, any data that can be provided will be of great assistance.

We are seeking a list or database of installed gas appliances, categorised into groups such as:

Heating

- Boilers - condensing/non-condensing, wet central heating systems
- Water Heaters - instantaneous, continuous, storage water heaters
- Dry (Warm Air) Convection Systems – direct/indirect air heaters
- Radiant Heaters – luminous (plaque) and non-luminous (tube)

Catering

- Ovens – deck ovens, pizza ovens, rack ovens
- Steamers & Combi Ovens – combi-steam ovens, atmospheric steamers
- Hobs & Grills – hobs, grills, griddles, barbecues, salamander grills, rotisserie grills
- Water & Oil Heaters – fryers, pasta/noodle boilers, bratt pans

For each appliance, it would be useful to know the output rating, in either kW or BTU/hr, and the installed date.

We are also looking to know the facility/facility type in which each appliance is found, for example:

- General acute hospital
- Specialist hospital
- Mixed service hospital
- Mental Health
- Learning Disabilities
- Community hospital
- Support facilities
- Hospitality – cafes, restaurants
- Other non-clinical space – medical record storage, offices, retail sales area

We wish to obtain as recent data as is possible – ideally from 2018 or 2019. However, any data from preceding years which could present market trends would also be favourable.

Please see below

Ref	Site	Description	Serial Number	Output Rating	Installed Date
1	Russell Hall Hospital	Boiler	5511	79kw	18/10/2007
2	Russell Hall Hospital	Boiler	CE-0085C	85Kw	18/10/2007
3	Russell Hall Hospital	Boiler	5605	79kw	18/10/2007
4	Russell Hall Hospital	Boiler	5604	79kw	18/10/2007
5	Russell Hall Hospital	Boiler	5606	79kw	18/10/2007
6	Russell Hall Hospital	Boiler	5607	79kw	18/10/2007
7	Russell Hall Hospital	Boiler	5607	79kw	18/10/2007
8	Russell Hall Hospital	Boiler	5607	79kw	18/10/2007
9	Russell Hall Hospital	Boiler	5607	79kw	18/10/2007
10	Russell Hall Hospital	Boiler	5033	92kw	18/10/2007
11	Russell Hall Hospital	Boiler	5504	79kw	18/10/2007
12	Russell Hall Hospital	Cooker		19kw	2002
13	Russell Hall Hospital	Boiler	N4	4908Kw	2002
14	Russell Hall Hospital	Boiler	N3	4908Kw	2002
15	Russell Hall Hospital	Boiler	N2	4908Kw	2002
16	Russell Hall Hospital	Boiler	N1	4908Kw	2002
17	Russell Hall Hospital	CHP	CHP	975Kw	2002
18	Russell Hall Hospital	Cooker	63664	19kw	2002
19	Russell Hall Hospital	Cooker	63665	19kw	2002
20	Russell Hall Hospital	Cooker	63666	19kw	2002
21	Corbett Hospital	Boiler		1150Kw	2002
22	Corbett Hospital	Water Heater		128.4Kw	2002
23	Guest Hospital	Boiler		236Kw	2002
24	Guest Hospital	Boiler		236Kw	2002
25	Guest Hospital	Boiler		236Kw	2002
26	Guest Hospital	Water Heater		128.4Kw	2002