

# Engineering a Sustainable Future

Chartered Institute of Plumbing and Heating Engineering

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## Introduction

The Plumbing and Heating Engineering Sector (along with other mechanical engineering services), as a result of climate change and commitments under the Kyoto Agreement, will be subject to a series of regulatory changes over the next decade; introducing requirements for the integration of sustainable technologies into new buildings.

The Code for Sustainable Homes already sets requirements for water consumption and energy efficiency, and changes to the Building Regulations in 2009 (Part G), will introduce per person water consumption limits (maximum 125 litres per person per day), and amendments to Part L from 2010 onwards will introduce requirements for energy efficiency best practice, and the incorporation of renewable technology.

At present, sustainable technologies exist in the form of numerous heat producing / generating appliances, water fittings designed to deliver lower volumes of water than traditional fittings and systems to harvest / recycle rain / greywater for limited domestic purposes.

In anticipation of regulatory changes, there are numerous renewable technologies on the market, and manufacturers are leading the way with regards to accredited training. Installers are embracing these technologies at a steady rate, however, the CIPHE would suggest that at present, public awareness of green solutions is low and along with this, knowledge of where to go for advice and design / installation is worse still.

## GreenPlumb

CIPHE has introduced a new free scheme which will make it easier for consumers to pick a professional when considering integrating renewable / sustainable technologies and solutions within their homes.

Under the GreenPlumb scheme, members of CIPHE that have embraced these technologies and committed to training and Continuing Professional Development, will be equipped with the tools to deliver a green service, with the ability to advise members of the public with regards to the integration of green solutions, and their ongoing maintenance.

GreenPlumb is not just a membership scheme and a brand, but also an ongoing 'green' campaign committed to meeting the Government's Carbon reduction commitments, but primarily to protect consumers against non-professional installers with inadequate knowledge and understanding of sustainable / green technologies.



## Who can join?

GreenPlumb is open to those members of the CIPHE who are practising in the plumbing and heating industry at the level of Member or Fellow.

The CIPHE will continue to develop a database of training providers and course details to enable efficient access to training and CPD, to assist the requirements of GreenPlumb members, and aspirant members.

### The initial pre-requisites are as follows:

Corporate member at MCIPHE or FCIPHE level who has undertaken the following:

- Energy Efficiency Certificate
- Water Regulations Certificate

Plus at least one of the following accredited (where applicable) courses:

- Solar Thermal
- Ground Source Heat Pumps
- Air Source Heat Pumps
- Grey Water Harvesting / Recycling
- Rain Water Harvesting / Recycling
- Biomass
- Water Efficiency

## Contact

**For an application form for GreenPlumb, please contact Lesley Challis at CIPHE on 01708 463108 or email: [lesleyc@ciphe.org.uk](mailto:lesleyc@ciphe.org.uk).**

