

Managing the Water Industry's Carbon Footprint
24th January 2008

Grafham Water Treatment Centre, Grafham, Nr. Huntingdon PE28 0BW

Greenhouse gas (GHG) emissions from human activity are widely accepted to be contributing to climate change. The water industry, with its energy intensive treatment processes and extensive pipe networks, is directly responsible for around 4 million tonnes of CO₂ every year – about 0.5% of the UK's total emissions – a significant amount for a single sector.

Public interest in the issue is reflected by political concern and DEFRA wants to see "a water industry contributing fully to national energy and carbon targets". The water industry, keen to play its part, is exploring every area in which it is responsible for, or can influence, GHG emissions.

This Workshop will consider the challenges and explore the role that improved monitoring will play in determining our carbon footprint and in managing our energy use and direct emissions. The workshop will provide an opportunity for key players to meet and explore opportunities for collaboration and technology transfer to best manage the water industry's carbon footprint.

Chair: [Chris Jones; Northumbrian Water Ltd.](#)

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| 09.15 | Coffee & registration |
| 10.00 | Introduction
Chris Jones, NWL |
| 10.15 | An introduction to carbon management in the water industry
Angie Needle, Anglian Water plc |
| 10.45 | Opportunities and policy implications for carbon reduction in the water industry
Andy Howe, Environment Agency |
| 11.15 | Coffee |
| 11.45 | Water Industry Carbon Accounting
John Andrews, WRc plc |
| 12.15 | Live Costs - optimising energy and chemical use in water production
Tony Appleton, Yorkshire Water plc |
| 12.45 | Discussion & Lunch |
| 13.30 | New flow-sheets for sewage treatment with reduced energy requirements
Ana Soares, Cranfield University/Yorkshire Water plc |
| 14.00 | Direct measurement of wastewater process emissions
Elena Senante, SUEZ Environnement |
| 14.30 | Real-time monitoring of methane and carbon dioxide emissions from STWs
Doug Offin, Alphasense Ltd |
| 15.00 | Discussion & close |

The cost of attending the Workshop is £70 inc VAT for members and £130 inc VAT for non-members. Literature may be distributed for a fee of £50 incl VAT and a limited number of table top displays are available at £100 incl VAT each. Cheques should be made payable to SWIG and sent to: SWIG, St. Michael's House, Whittington, Carnforth. LA6 2NX Tel./Fax. 015242 71461 Email: info@swig.org.uk Literature may be distributed for a fee of £50 and a limited number of table top displays are available at £100 each

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