



Energy Efficiency in the Water Industry 23 April 2009

United Utilities, Mereside Room, Lingley Mere, Warrington, WA5 3UU

Tel. 01925 234000 www.unitedutilities.co.uk [Directions](#) [Parking](#)

Treating water and wastewater and the distribution of water are energy intensive activities. They incur significant costs for the water industry and are the main contributors to the industry's carbon footprint. Energy typically represents 28% of operating costs, with aeration representing 55% of sewage treatment operations and pumping representing 60% of water treatment operations. Much effort is going into improving energy efficiencies in these areas. All of these issues and more will be discussed by a range of experts making this a *must attend* Workshop for everyone who has an interest in achieving energy efficiencies in the water industry.

Chairman: Steve Whipp, United Utilities.

- 09.15 Coffee & registration
- 10.30 Overview of energy efficiency in the water industry
Steve Whipp, United Utilities.
- 10.50 Energy Efficient Water & Wastewater Treatment - A business case for the UK
Issy Caffoor, Environmental KTN
- 11.15 Tea / Coffee
- 11.45 Strategic instrumentation and communications provide real benefits
Andrew Yates, MWH
- 12.15 Renewable energy applications in the water industry
David Wilkie, Grontmij.
- 12.45 Discussion & Lunch
- 13.30 Maximising renewable energy generation and reducing energy use in wastewater treatment
Elise Cartmell, Cranfield University
- 13.55 Increasing process efficiency and deriving energy savings through advanced process control
Simon Mazier, Perceptive Engineering Ltd.
- 14.20 Tea / Coffee
- 14.40 Optimisation of activated sludge processes using real time control and the role of accurate reliable instrumentation.
Clive Murren, Hach-Lang
- 15.05 Save the Energy we waste first!
Nick Brown, ABB
- 15.30 Discussion & close

Registration: The cost of attending the Workshop is £70.00 incl VAT for members of SWIG and £130.00 incl 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. Registration can be made using the on-line booking form at: www.swig.org.uk or by phone or fax to 015242 71461 or email to info@swig.org.uk.

Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.