



Zero Carbon Non Domestic buildings - "How low can you go?"

25th March 2010

CIBSE Engineering Centre, 222 Balham High Road, London, SW12 9BS

The Government has an ambition for all new non-domestic buildings to be zero carbon from 2019, with the public sector leading the way with schools by 2016 and other central Government estate from 2018. Is this achievable? What does zero carbon actually mean? How much will it cost? Can the industry respond to this challenging aim? Do we have the skills?

This conference sets out to address some of these questions and to look at how the next 10 years trajectory towards this goal will unfold.

This conference is for

- Building services engineers
- Designers
- Architects
- Property owners and occupiers
- Facilities managers
- Property developers and managers
- Environmental organisations



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09.30 - 10.00 Registration and coffee

10.00 - 10.15 Chairs introduction and welcome

Phil Jones, Chairman, CIBSE Energy Performance Group

10.15 - 10.40 Keynote presentation – Zero Carbon for non domestic buildings

- The consultation paper
- The responses
- The drivers
- Links to other legislation

Claire Brialey, Sustainable Buildings Division, CLG

10.40 - 11.10 Is zero carbon achievable?

- What is zero carbon

Ashley Bateson, Partner, Hoare Lea

11.10 - 11.20 Questions

11.20 - 11.45 Coffee

11.45 - 12.10 Defining and measuring carbon compliance

- Energy efficient appliances and building control systems
- Exports of low carbon or renewable heat (or cooling) to surrounding developments
- Retrofitting other local buildings
- Off-site renewable electricity via direct physical connections

Sam Archer, Associate Director - Sustainability, Building Engineering, AECOM

12.10 - 12.35 What do we need to put in place to reach zero carbon?

- Offsite / onsite

Chris Twinn, Director, Ove Arup & Partners





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12.35 – 13.00 What do the problems look like?
Jules Saunderson, Mott MacDonald Fulcrum & UKGBC report author / project co-ordinator, Mott MacDonald Fulcrum

13.00 – 13.10 Questions

13.10 – 14.00 Lunch

14.00 – 14.25 What are the costs associated with zero carbon?
Dave Farebrother, Environmental Director, Land Securities

Industry specific focus session

- – 14.55 Data centres
- What is a data centre?
- How green is a data centre / IT systems?
- Energy efficiency of M&E systems / air management
- Renewable options and their effectiveness
- Effective carbon reduction.

Robert Tozer, Technical Director, Critical Facilities Services, Hewlett Packard &
Brian Waddell, Director, Norman Disney Young

14.55 – 15.05 Questions

15.05 – 15.20 Coffee

15.20 – 15.35 Case Study: The City Academy, Hackney
Matt Dickinson, Partner and School Sector Champion, Max Fordham

15.35 – 16.00 Office example
TBC

16.00 – 16.10 Question and chairman's closing remarks

16.10 Close

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CIBSE Services Ltd,
222 Balham High Road,
London SW12 9BS

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Booking Details

Registration includes
course notes, light lunch,
refreshments

CIBSE Member Rate

Membership No:

Please reserve place(s) at £225 each + £39.38 VAT = £264.38

Non-Member Rate

Please reserve place(s) at £325 each + £56.88 VAT = £381.88

Yes, I would like to join CIBSE as an Affiliate Member for £102 per annum

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I enclose a cheque totalling £ (Payable to CIBSE Services Ltd)

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I am paying by BACS (Sort Code: 600134 A/C: 21688869 and quote the delegate name)

Please debit my Credit/Debit Card for the amount of: £

Card number (we do not accept Amex or Laser cards)

Expiry date Valid from Security code Issue no. (Maestro only)

last 3 digits rear of card

Signature

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I confirm that the information contained in this application and supporting documents is correct. I agree that, in the event of my election to any class of membership of the Chartered Institution of Building Services Engineers, I will be governed by the provisions of the Royal Charter and By-laws as they are now formed or as they may be hereafter altered; that I agree to abide by the Code of Professional Conduct, and do all in my power to advance the objects of the Institution; providing that whenever I shall signify in writing to the Secretary that I wish to withdraw from the Institution, I shall, after payment of any arrears which may be due by me at that period, be free from this obligation.

Signed

Date

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