

CHPA PRESS RELEASE

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For Immediate Release

REDUCING LONDON'S CARBON FOOTPRINT

New Report highlights how energy efficient Community Heating and CHP can power the lights of London

The Greater London Authority (GLA) have today launched a major study highlighting the significant potential for high efficiency Combined Heat and Power and Community Heating (CHP/CH) in the capital. The study has identified significant opportunities to create heat networks allowing for greater use of CHP, along with a number of other low carbon technologies, to provide affordable heat and power to London's homes and businesses.

Welcoming the publication of the study, CHPA Director Phil Piddington comments:

"The study identifies the vast untapped potential for community heating and CHP in London. Many other major capital cities across Europe already utilise these technologies to provide secure and clean energy.

"We welcome this study as an important step in driving London towards a low-carbon economy."

Key findings of the study, undertaken by CHPA Member's PB Power, include:

- The potential for up to 2,448 MWth of cost effective CHP/CH capacity in London.
- If the Community Heating potential of the study is fulfilled over 625,000 dwellings could be contacted to community heating schemes - nearly one fifth of the capital's current total housing stock.
- Implementation of the three projects proposed within the study would reduce CO₂ emissions in the capital by over 130,000 tonnes per year. These projects are:
 - SELCHP fuelled CH project for Southwark and Lewisham (30 MWe)
 - Gas engine CHP for Brixton and Camberwell (10 MWe)
 - Biomass CHP for Tower Hamlets (20 MWe)

Priority Areas identified in the London study - which represented areas of high deprivation that also contained building densities sufficient to support community heating - indicated that CHP/CH potential in inner London was 1,426 MWth which would include a social housing population of over 700,000

The study was undertaken with support from the Government's Community Energy Programme, jointly managed by the Energy Saving Trust and the Carbon Trust, along with the London Development Agency and the London Boroughs of Barking, Lambeth, Lewisham, Southwark and Tower Hamlets.

The launch of this Study comes at an important time, given the Government's Review of the Climate Change Programme and recent announcement around the need for a new Energy Review.

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Notes to Editors

1. *The London Community Heating Study – Report to the Greater London Authority* (by PB Power – Energy Services Division) was launched formally today at a seminar hosted by the GLA at City Hall. Approximately 100 delegates were presented with the results of the study along with the prospects for CHP/CH in development plans in the London Boroughs of Barking and Dagenham, Southwark and Wembley.

The report will shortly be made available on the GLA's website at:
www.london.gov.uk

2. Combined Heat and Power (CHP) is the simultaneous generation of electricity and useful heat in a combined, highly efficient process. The Government's target is to double UK CHP capacity to 10,000 MWe by 2010.
3. The Government's latest statistics show that every 1 MWe of CHP operating in the UK helps reduce carbon emissions by between 600 – 800 tonnes every year. Current installed CHP capacity of approximately 5,700 MWe, on over 1,500 sites across the UK, is already helping deliver savings of over four million tonnes of carbon annually, one of the largest single carbon reduction measures in the Government's Climate Change Programme.
4. London has approximately 175MWe of CHP capacity. The Mayor's Energy Strategy for London seeks to double the level of CHP use by the end of the decade.

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