

For Immediate Release
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CHPA National Conference 2005 – CHP: Forward Not Back

CARBON SAVING POTENTIAL DOWNPLAYED BY GOVERNMENT

CHP can save over 20% of the Government's 20% carbon target

A new report released today at the Combined Heat and Power Association's (CHPA) 2005 National Conference shows the substantial carbon reduction benefits delivered through the use of high-efficiency Combined Heat and Power (CHP).

The report's results also highlight that the Government's current projections for carbon savings from CHP significantly downplay its potential in the Climate Change Programme.

CHPA Director David Green stated:

"The Government acknowledges that existing CHP schemes save around 4 million tonnes of carbon each year. These schemes are exhaustively monitored by the Government to verify the savings are accurate. However the Government's projections for future carbon savings for CHP to 2010, outlined in the Energy White Paper, bizarrely reduces the carbon saving potential of CHP by sevenfold!

"The research published today by the Association shows that, across a wide variety of plant, CHP delivers significant and demonstrable reductions in CO₂ emissions - in some examples up to 10 times the levels projected by the Government! Achievement of the 2010 10 GWe CHP target would help deliver over 20% of the Government's 20% domestic carbon target."

The report, entitled *Time to Take a Fresh Look at CHP...* analyses the carbon savings from five types of CHP projects, ranging from microCHP (1kWe) up to a major industrial CHP scheme of 350 MWe. In all cases, CHP carbon savings are between 3 and 10 times greater than the 0.1 million tonnes of carbon per GWe level stated in the Government's current projections.

David Green concludes:

"A vast untapped potential of CHP capacity exists in the UK. The updated Climate Change Programme must ensure that CHP is used to underpin the ambitious carbon reduction targets the Prime Minister has set out, along with the Government's longstanding CHP target."

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Notes to Editors

1. **Time to Take a Fresh Look at CHP...**, a report commissioned by the Association from consultancy Delta Energy & Environment is available to download from the Association's website, www.chpa.co.uk

Delta Energy & Environment provides specialist international research, analysis and consulting services in the field of decentralised, or distributed, power generation – including cogeneration and renewable energy markets. More information at <http://www.delta-ee.com/>

2. **The CHPA National Conference 2005 – CHP: Forward not Back!** - took place at 1 Great George Street, Westminster, London SW1. Speakers included Sir Ben Gill of the Biomass Task Force; Stephen Tindale, CE of Greenpeace and Bill Stow, Director General Environment at DEFRA.
3. The Association recently issued a paper, **50 Ways to Boost CHP**, which set out a range of initiatives the Government could undertake to promote the uptake of CHP. This is available to download from www.chpa.co.uk
4. Combined Heat and Power (CHP) is the simultaneous generation of electricity and useful heat in a combined, highly efficient process.
5. Government has described CHP as *"The most cost-effective non-transport measure in the Climate Change Programme"* DEFRA, 2002.

The Government's latest statistics show that every 1,000 MWe of CHP operating in the UK helps reduce carbon emissions by between 0.6 and 0.8 million tonnes of carbon. (*DTI Digest of UK Energy Statistics* July 2005)

DTI states that the 5,606 MWe of CHP currently operating is helping save between 3.4 and 4.5 million tonnes of carbon.

Achievement of the 10,000MWe CHP target would save between 6-8 million tonnes of carbon – over 20% of the Government's 20% domestic carbon target.

6. Government statistics show that CHP is at work at over 1,500 sites in the UK at present. The Government established a target of 10,000 MWe of CHP capacity by 2010 as part of the 2000 Climate Change Programme.
7. The Government announced in its 2004 *CHP Strategy* (DEFRA) that it was going to fail the CHP target by up to 20% unless new support mechanisms were introduced.

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