IEA Task 37 Energy from Biogas & Landfill Gas
UK Report November 2007
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The Biomass Strategy
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Defines Government policy for biomass

Aims :

- To support existing RE & Climate Change targets
- To facilitate development of competitive & sustainable markets & supply chains for biomass

NB Highlights the role for on farm AD and AD for management of food waste (See also Waste Strategy)
The economic case for AD


Examples:

- Med scale AD compared with oil £22/t CO₂
- Small scale AD/CHP compared with oil £72/t CO₂
- Bio-diesel compared with diesel £137/t CO₂
- Bio-ethanol from wheat compared with petrol £152
- Dedicated wood fuel power generation £200/t CO₂

(For full text of report go to Google Biomass Strategy)
Facilitating measures for AD

- Renewable Obligation Certificates x 2 / MWh
- Protocol & standard for the application of digestate to land includes:
  - Financial Impact Assessment
  - Risk assessment
  - List of wastes that will be allowed as feedstocks
Production and use of bio-methane

Status of Renewable Transport Fuels Obligation

- Order 25\textsuperscript{th} October to implement April 2008
- Renewable Fuels Agency set up (administration)
- Technical Guidance Notes for producers reporting carbon avoidance & sustainability being finalised
- Excise duty incentive agreed £0.4 (28 E cents) and £0.15 (10 E.Cents) as Buy Out price
- Lobbying of Government for gas licensing to supply into gas grid
Barriers

- Huge costs of grid connection and access is major barrier for development of farm scale plants
- Absence of regulatory framework in the Renewables Obligation to allow upgraded biogas to be transmitted through the natural gas grid as a renewable fuel