

# IEA Task 37 Energy from Biogas & Landfill Gas

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**Sponsored by**

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# The Biomass Strategy

## June 2007

**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

**Working Paper 1 Economic Analysis of Biomass Energy** highlights comparative cost of carbon savings

## **Examples:**

- Med scale AD compared with oil £22/t CO<sub>2</sub>
- **Small scale AD/CHP compared with oil £72/tCO<sub>2</sub>**
- Bio-diesel compared with diesel £ 137/t CO<sub>2</sub>
- **Bio-ethanol from wheat compared with petrol £152**
- Dedicated wood fuel power generation £200/t CO<sub>2</sub>

*(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<sup>th</sup> 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**