

## *aM&T* 2009 Conference

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The real source of all knowledge, of course, is collectively at:

**[www.esta.org.uk](http://www.esta.org.uk)**

Googling: get it right!

[www.esta.co.uk](http://www.esta.co.uk)

electronic system for travel authorisation

[www.esta.org/](http://www.esta.org/)

the entertainment services & technology association

[www.esta-office.com](http://www.esta-office.com)

european surgical trade association

[www.esta-uk.org](http://www.esta-uk.org)

earth science teachers' association

[www.esta.org.uk](http://www.esta.org.uk)

**energy services and technology association**

# Legislation: an asset not a burden

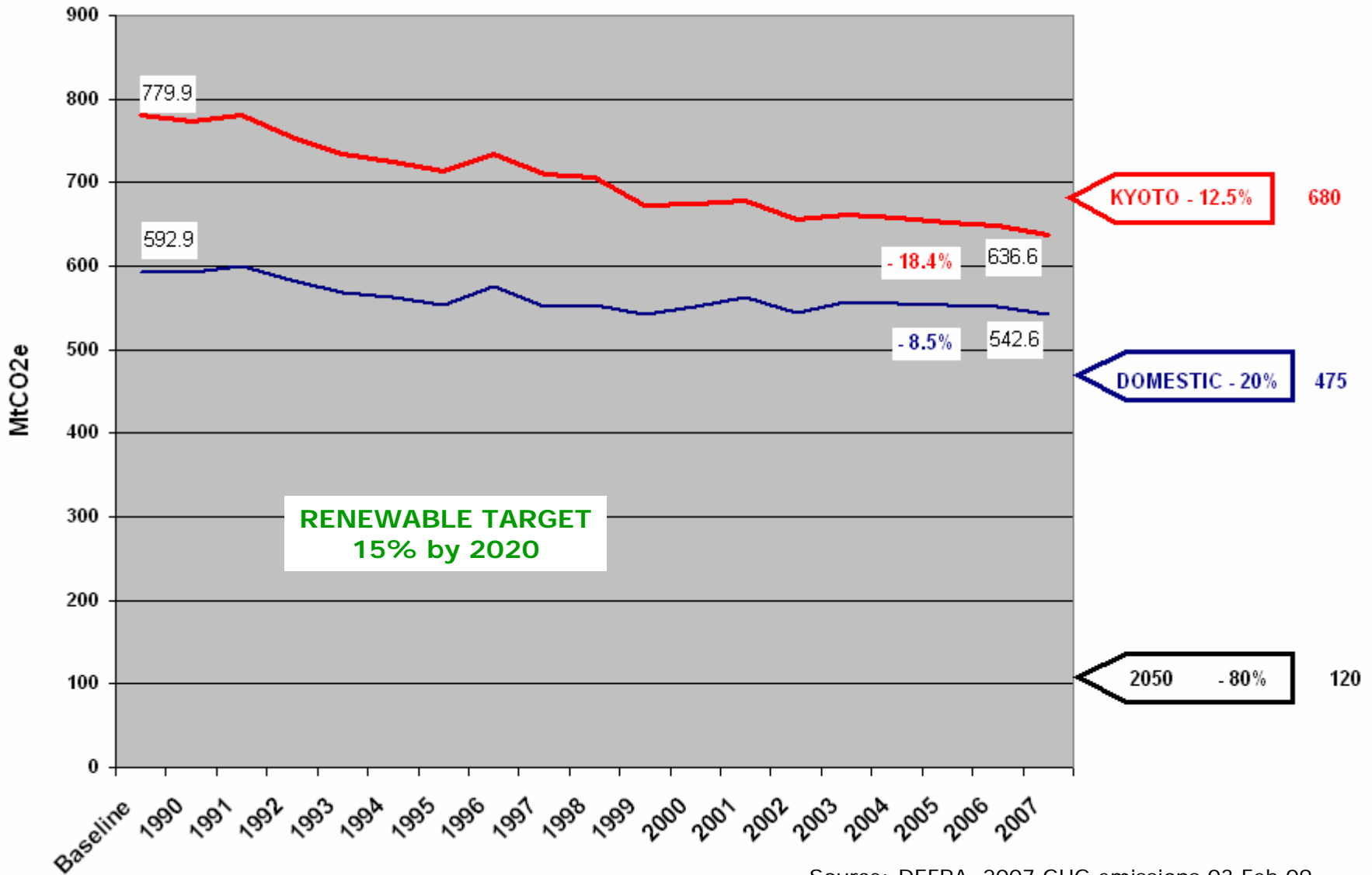
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# UK emissions MtCO<sub>2</sub>e



Source: DEFRA 2007 GHG emissions 03 Feb 09

The UK Statute Law Database

[www.statutelaw.gov.uk](http://www.statutelaw.gov.uk)



Page 1 of 4

Sort results by:  Chronological (most recent first)  Alphabetical ('A' first)

Go >

Document	Year and number	Legislation type
<a href="#">The Energy Act 2008 (Commencement No. 1 and Savings) Order 2009</a>	2009 No. 45 (C. 4)	S.I. (UK General)
<a href="#">The Energy Order 2003 (Supply of Information) Regulations (Northern Ireland) 2008</a>	2008 No. 3	S.R. (N.I.)
<a href="#">Planning and Energy Act 2008</a>	2008 c. 21	Act (UK Public General)
<a href="#">Energy Act 2008</a>	2008 c. 32	Act (UK Public General)
<a href="#">The Home Energy Efficiency Scheme (Scotland) Amendment Regulations 2008</a>	2008 No. 38	S.S.I. (Scottish General)
<a href="#">The Domestic Energy Efficiency Grants (Amendment) Regulations (Northern Ireland) 2008</a>	2008 No. 67	S.R. (N.I.)
<a href="#">The Energy Performance of Buildings (Certificates and Inspections) Regulations (Northern Ireland) 2008</a>	2008 No. 170	S.R. (N.I.)
<a href="#">The Energy Performance of Buildings (Certificates and Inspections) (Amendment) Regulations (Northern Ireland) 2008</a>	2008 No. 241	S.R. (N.I.)
<a href="#">The Energy Performance of Buildings (Scotland) Regulations 2008</a>	2008 No. 309	S.S.I. (Scottish General)
<a href="#">The Energy Performance of Buildings (Scotland) Amendment Regulations 2008</a>	2008 No. 389	S.S.I. (Scottish General)

Your search produced 155 results

## Global drivers

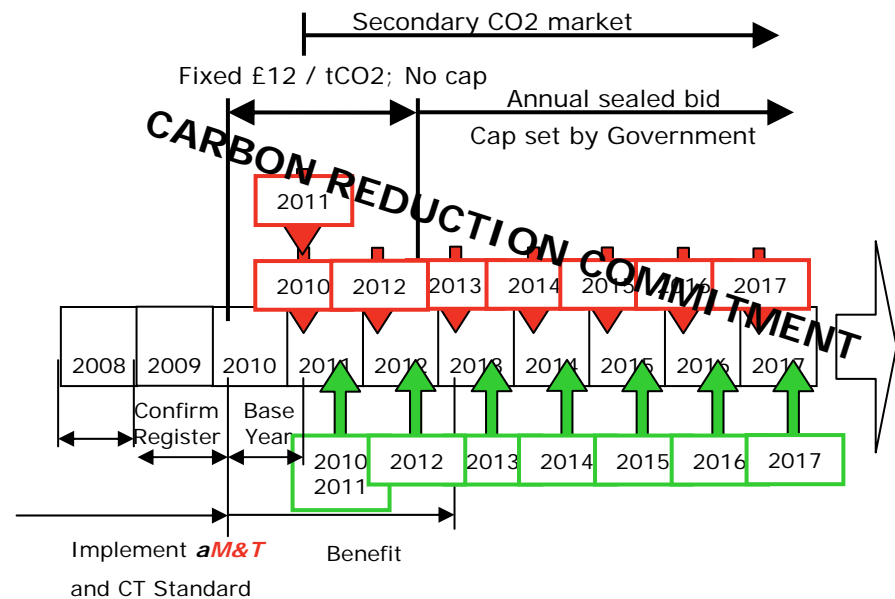
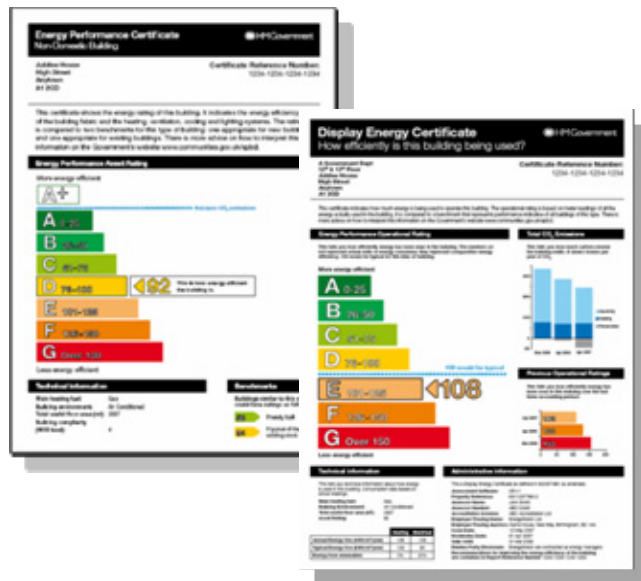
- Bali: road map for future action, Dec 07
- IPCC: Intergovernmental Panel on CC, est. 1988
- UNFCCC: UN Framework Convention on CC, Rio 1992
- Kyoto Protocol: Dec 1997
- Gleneagles: G8 Dialogue on CC, Clean Energy and Sustainable Development,
- Montreal: UN CC Conference 2005
- Bonn: Conference, May 2006
- Clean Energy Investment Framework, World Bank/ IEA

## European drivers

- EU directive on the energy performance of buildings (2002/91/EC)
- 'Towards a European Strategy for Energy Supply': Green Paper
- EU Emissions Trading Scheme and the Clean Development Mechanism
- EU End use & energy services directive

## National drivers

- Kyoto/ Burden Sharing Agreement ... cut GHG by 12.5% by 2008-12 vs 1990
  - Energy Performance Certificates .. and Display Energy Certificates
  - UK Climate Change Programme – regulatory & obligation to meet targets
  - Stern Review, October 2006
  - Carbon Reduction Commitment – from April 2010 for large non-intensive sector
- plus
- Non-domestic Energy Efficiency Data framework (NEED) – scoping study Jan 09



## ▶ **Climate Change Act**

- ▶ Established Committee on Climate Change
- ▶ 5 year x 3 periods emissions targets.
- ▶ Enabling powers for carbon trading schemes
- ▶ Amendment to require Government to report on its progress towards top quartile performance of newly acquired buildings

## ▶ **Energy Act**

- ▶ Largely for off-shore and nuclear
- ▶ Enables Ofgem to modify energy supplier's licences to implement roll-out of advanced meters

## ▶ **Planning and Energy Act**

- ▶ 10% of energy for new sites from renewables sources  
- building integrated / on-site / near site [private wire]
- ▶ Allows Local Authorities [England and Wales] to require standards higher than national standards

## ▶ **Climate Change Levy**

- ▶ Now indexed with inflation; much smaller part of current bills

## ▶ **Climate Change Agreements**

- ▶ 80% CCL reduction if targets achieved
- ▶ Successful 7MtC saved; New agreements after 2010

## ▶ **Enhanced Capital Allowances**

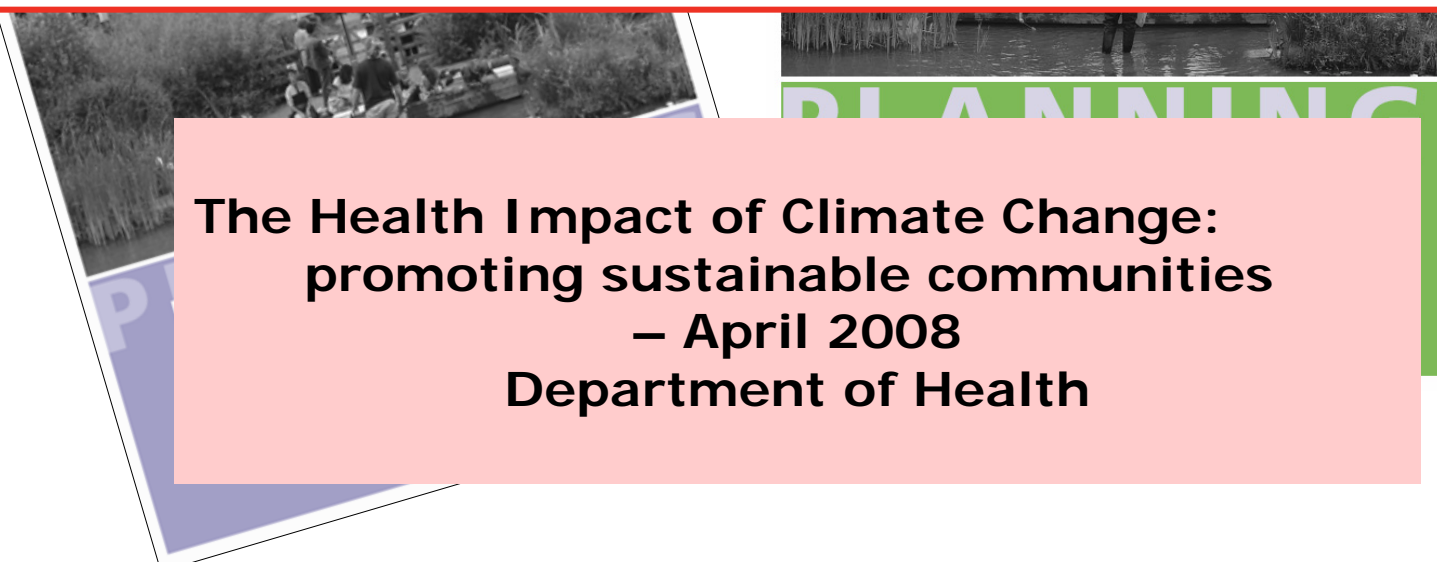
- ▶ Energy Technology List [www.eca.gov.uk](http://www.eca.gov.uk)
- ▶ 100% first year allowances
- ▶ 2008/09: budget introduced 'Annual Investment Allowance' of £50k for all investment with 100% allowance
- ▶ Recent revisions to criteria created significant changes



Planning shapes the places where people live and work and the country we live in. It plays a key role in supporting the Government's wider social...

## Planning policy decisions must take into account

- ▶ Sustainability
- ▶ Energy use and carbon emissions
- ▶ Decentralised; low carbon; renewables
- ▶ Consider mitigation and adaptation separately



**The Health Impact of Climate Change:  
promoting sustainable communities  
– April 2008  
Department of Health**

## PAS 2050

- ▶ **Assessing the life cycle greenhouse gas emissions of goods and services**
- ▶ **As a supplier organisation you may need to provide carbon data against specific products**
- ▶ **Visit [www.bsi-global.com](http://www.bsi-global.com) and search on PAS2050**

## Energy Management Standards

- ▶ **BS EN 16001 Energy management systems**
  - ▶ Benchmarking methodologies; Energy efficiency services
  - ▶ Certificates (Green, White, Brown)
  - ▶ Energy audits; Energy efficiency and savings calculations
  - ▶ Energy management in the transport sector
- ▶ **Will affect energy management practice in the UK**

(Don't confuse with '*Carbon Trust Standard*')

# What is common .. in everything?

## **The need to -**

- Measure
- Record
- Monitor
- Verify
- Audit
- Demonstrate
- Provide evidence
- Continually improve

## **The data framework study:-**

“Future policy target setting requires an understanding of the level of remaining potential within a given group of end-user.”

## **It will involve many departments and organisations. It calls upon:-**

- OCC to discuss data frameworks
- CLG, Defra, BERR and DfT to discuss scientific support
- VOA to discuss ... role of business rates
- CT to contribute to an evidence base
- BERR to improve DUKES
- ONS to discuss an inter-departmental business register of data

## I would contend that -

- ▶ The Committee for Climate Change will prompt further energy and carbon policies
- ▶ The EU and EC are ambitious to do more; the USA could drive them (!)
- ▶ There will be more activity and emphasis on energy and carbon legislation and initiatives
- ▶ There will be a need to recognise additional requirements through Planning and through Building Regulations

## For us, there can be many positives -

- ▶ Use the legal requirements to gain support for investment and action from senior management
- ▶ Be a leader in using facts not just opinions to progress and continually improve
- ▶ Base your facts on good quality data

*Use data to be king, and  
do use energy legislation as an asset ... the cup is half full!*

**Thank you**

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