



Philip Sellwood, Chief Executive Energy Saving Trust Delivering Low Carbon Homes

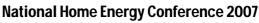














Our activities

- Raise awareness of the impact citizens have on • climate change, and what they can do
- Policy advice and development ightarrow
- Provision of advice to individuals, public sector ulletand businesses
- Accreditation of products and services ullet
- Management of grant and support programmes ightarrow
- Evaluation services igodol
- **Knowledge services**















National Home Energy Conference 2007



Home Energy Conservation Act 1995 (HECA)

 UK LAs with housing responsibilities to produce report identifying cost-effective measures to improve energy efficiency of residential accommodation

- Requirement to report on progress made in implementing the measures
- Help focus LA attention on integrated approach to residential energy
- 16.7% (2005) improvement from 1996 baseline















National Home Energy Conference 2007 Fuelling the debate – energy efficiency / renewables / nuclear power



Climate Change Bill implications

- Introduces legally binding CO2 targets through a series of carbon budgets
 - -26 to 32% by 2020 and -60% by 2050 from 1990 baseline
- 50% of UK carbon emissions is from our homes and road transport
- The average home can save up to £300 pa through simple energy saving measures
- LAs will inevitably have a stronger role to play



- Through demonstrable action and real leadership on climate change issues
- Helping consumers take action in homes and everyday lives















HOME ENERGY CHECK



The future for HECA?

 New performance framework will have an 'appropriate' focus on climate change

- HMT to agree indicators through CSR07
- Need to reflect requirements of CC Bill into HECA
 - Ideally an obligation on LAs for year on year CO2 reductions in its estate and communities
 - Should include transport and local businesses
 - Increased support will be required
 - More resources
 - Further guidance on reporting and measurement
 - Better data and analysis eg carbon footprint tools

















Knowledge services

Provides EST's "single source of the truth" on sustainable energy products and services:

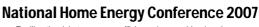
- Data verification service for internal and external clients
- National database of household sustainable energy measures & potential
- "WISE" knowledge portal for EST's partners and other stakeholders
- Combined by EST advice centres with our market segmentation to target homes with specific measures
- Can help underpin and focus HECA activity













Homes Energy Efficiency Database (HEED)

 Helps assess the uptake & potential of sustainable energy measures over time and by location

- Assists local and central government in monitoring and reporting
- Helps facilitate improved targeting, uptake and cost effectiveness
- Includes physical characteristics of dwellings
 - Insulation, heating lighting & appliance measures
 - All data date-stamped
- Inputs from energy audits on individual properties and installations data

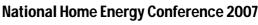














HEED (continued)

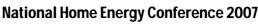
- Includes online reporting application and map viewer
- User specific access to reports and data maps showing districts & wards (COA/postcode in NI)
- Will include additional datasets
 - Energy Performance Certificates
 - DTI regional energy consumption
 - Microgeneration programme data
- 200+ current users mainly HECA officers













Web Information on Sustainable Energy (WISE)

Google search appliance on the EST website Contains ~1,000 links incl. ~130 international

- Eco Labels 25 ۲
- Energy Industry 17 \bullet
- Local Authorities 22 \bullet
- Fuel Poverty 72 ۲
- Climate Change 110 ۲
- Buildings, Homes & Communities -۲ 284

- Heating, Glazing & Insulation 132
- Lighting & Appliances 102 ۲
- Advice, Education & Training 35
- Funding 39 ۲
- Plus: Metering, Community Heating, Cooling, Heating Controls, CHP, Standby etc

Resource types: case studies, factsheets, indicators, legislation, regulations, standards, market data, product information, programmes etc

Sources: BRE, Defra, DCLG, DTI, EEPfH, EST, ECI, EC, EEA, IEA, MTP, Ofgem etc













Development of WISE

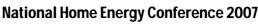
- Continue expanding Energy Efficiency Resources
- Branch out into EST's other areas of interest:
 - Transport
 - Microgeneration
- Establish WISE as the definitive sustainable energy research and information tool















Opportunities for HECA network

- Increased drivers for LAs to do more on residential energy efficiency, transport and local business
 - Prepare for a stronger role
- Contact local EST advice centre to discuss opportunities
- Explore HEED and WISE as tools to help meet existing and future HECA requirements
- Energy Saving Trust can help HECA officers deliver low carbon homes in their communities





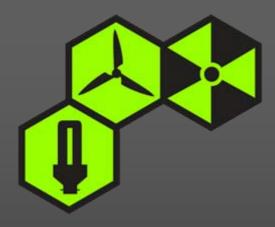














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