



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



**National Home Energy Conference 2007**

Fuelling the debate – energy efficiency / renewables / nuclear power





## Our activities

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





# 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



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# 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  
GET YOUR OWN REPORT



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# 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
  - Energy Industry - 17
  - Local Authorities - 22
  - Fuel Poverty - 72
  - Climate Change - 110
  - Buildings, Homes & Communities - 284
  - Heating, Glazing & Insulation - 132
  - Lighting & Appliances - 102
  - Advice, Education & Training - 35
  - Funding - 39
  - 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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