

# Energy Saving Trust guidance on meeting the Code for Sustainable Homes



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Best Practice and Newbuild Outreach

# The Energy Saving Trust

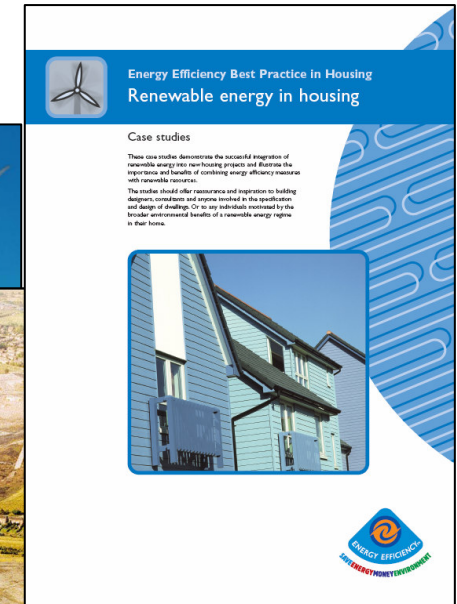
- Set up by UK Government in 1992
- Acts as a bridge between government, industry and the consumer
- The leading organisation supporting Government to achieve the sustainable and efficient use of energy and to cut carbon dioxide emissions, one of the key contributors to climate change
- Focus is domestic energy and transport
- Energy Saving Trust has offices in London, Edinburgh, Cardiff and Belfast



[www.energysavingtrust.org.uk/housing](http://www.energysavingtrust.org.uk/housing)  
Technical helpline: 0845 120 7799

# Activities include

- Microgeneration

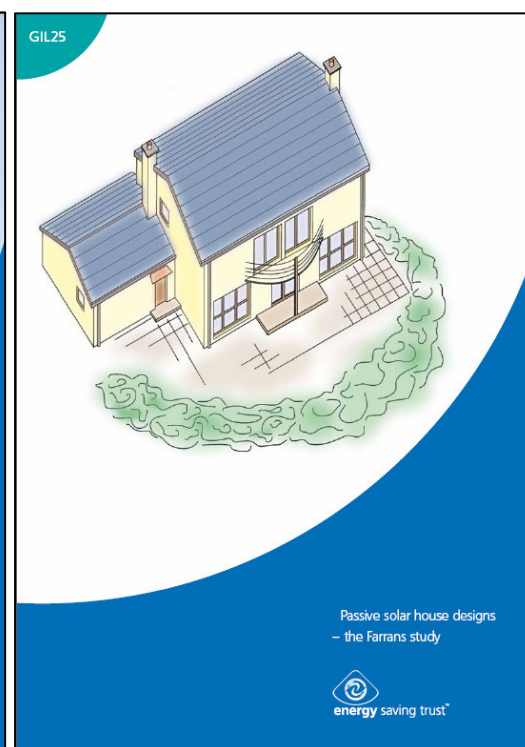
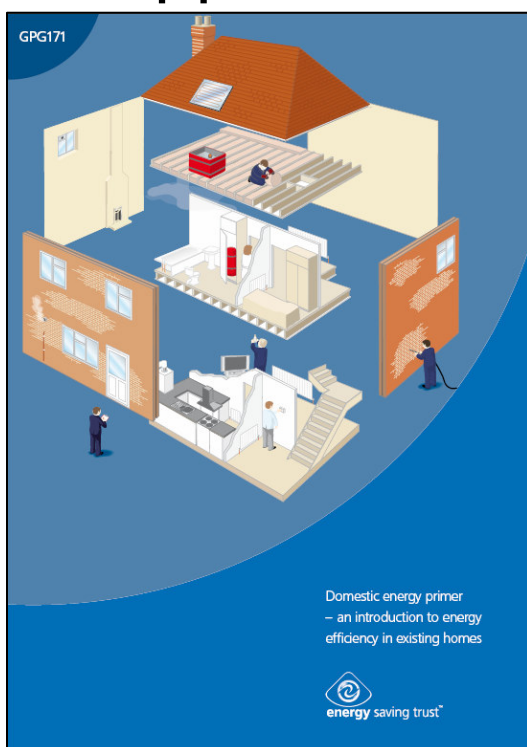


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# Activities include

- Technical advice, guidance and on-site support



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# Activities include

- Trade Partnerships



An advertisement for Anglian Home Improvements. The top section has a dark blue background with white text: 'Be switched on - make your commitment to save your 20%' and 'Energy efficiency in your home'. Below this, there are two columns of text. The left column includes a quote from Dennis Littlewood: 'Our planet is already heating up and the effects of the will eventually begin to affect us all, unless we start now taking concrete steps to reduce our impact on the environment. By making some simple energy-saving home improvements, such as installing energy-efficient windows or doors, homeowners can really add value to their homes, whilst helping the environment at the same time.' The right column features an image of a glowing house at night and text: 'As the days get longer and driving in just what energy bills begin to soar, it's good time to start thinking about the ways you can reduce your household energy consumption. By taking just a few small steps to make your home more energy efficient, you're not only saving money on your bills, but will also be doing your bit for the environment too.' At the bottom, there are logos for Energy Saving Trust and Anglian Home Improvements, along with the text 'Top ten energy saving tips'.

An advertisement for B&amp;Q. The top section has a green background with white text: 'Energy Efficiency Made Easy at B&amp;Q'. Below this is an image of a yellow house with a hot air balloon floating above it. The text below the image reads: 'An average UK house produces enough carbon emissions in a year to fill six hot air balloons. We're helping to bring that down.' At the bottom, there are logos for Energy Saving Trust and B&amp;Q. On the left side, there is vertical text: '4th October - 29th November 2008'.

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# Activities include

- Transport in business



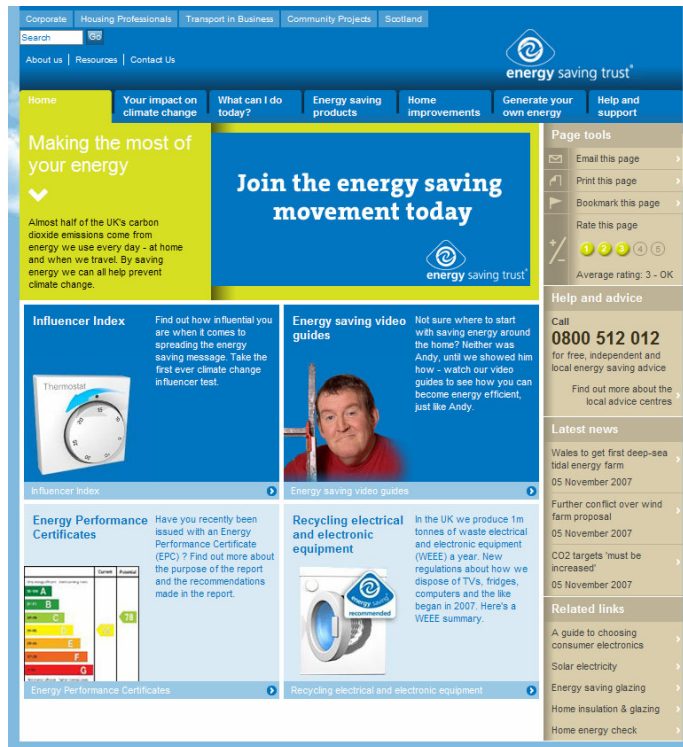
Screenshot of the Energy Saving Trust website. The page features a navigation menu with categories: Consumer, About EST, Housing &amp; buildings, Transport, and Community. The main content area includes several promotional tiles: 'Free fleet consultancy' (Free green fleet reviews for tailored fleet management), 'Behind the wheel' (UK business could save £2.6 billion a year by driving their cars in a greener way), 'Free Travel Planning' (FREE travel plans are available in Scotland for organisations with a minimum of 50 employees and/or 10,000 visitors per annum), 'City schemes' (Congestion Charge Discount, low emission zone and more click here), and 'Fleet heroes' (Enter our fleet hero awards 2007). A calculator for 'Average Vehicle Size' is also visible, with sliders for 'Fleet size' and 'Miles per week'. The footer contains contact details: 21 Dartmouth Street | London SW1H 9BP | Tel 020 7222 0101 | Fax 020 7645 2460. The page is dated 06 NOV 2007.

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# Activities include

- Consumer information and advice



By committing to wash their kit at 30 degrees the Lanresse Rangers are helping to save 20% of the energy they use every day. If we all save our 20% we can help fight climate change. Make your commitment. Visit [www.energysavingtrust.org.uk/commit](http://www.energysavingtrust.org.uk/commit)

**SAVE  
YOUR  
20%**

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# How we can help

- Energy Saving Trust produces:
  - Guidance on energy efficiency in housing
  - Interactive web tools
  - Case studies
  - Policy briefings
  - Project toolkits
  - Image libraries



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# How we can help

- Online question and answer database
- Technical helpline – available to all housing professionals
- Free training events
- Technical information
- Technical reports and case studies
- Website tools
- Register on our database and sign up for free e-news

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The screenshot shows the 'Frequently asked questions' page on the Energy Saving Trust website. The page has a blue header with the Energy Saving Trust logo and the title 'Frequently asked questions'. Below the header is a navigation menu with tabs for 'Consumer', 'About EST', 'Housing & buildings', 'Transport', and 'Community'. The 'Housing & buildings' tab is selected. Below the navigation menu is a sub-menu with tabs for 'Answers', 'Contact us/Ask a question', 'My previous questions', and 'Help'. The 'Contact us/Ask a question' tab is selected. The main content area is a form for asking a question. It has a blue header with the title 'Frequently asked questions' and a note '\* Denotes a required field.' The form has several sections: 'Identification' with a required 'Email Address' field; 'Additional Information' with required 'Topic' and 'Category' dropdown menus; 'Type your message or question here' with a required 'Question' text area; 'Attach Documents to Question' with a file upload field and a 'Browse...' button; and 'When you are ready...' with a 'Next' button.

[EST.org.uk home](http://EST.org.uk) | [About EST](#) | [My Home](#) | [Housing & buildings](#) | [Fleet & travel plans](#) | [Housing trade](#) | [Community Links Policy](#) | [Data Policy & Terms of Use](#) | [Accessibility](#) | [Make this my homepage](#) | © Energy Saving Trust 2006



# Code for Sustainable Homes guidance

- Energy Saving Trust has developed solutions and technical guidance to meeting **level 3 (25%)** of the Code for Sustainable Homes
- Solutions and technical guidance to meeting **level 4 (44%)**, **level 5 (100%)** and **level 6 (zero carbon)** is going to consultation

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# What this means for you

- Professional technical assistance in going beyond the legal minimum
- Technical support provided by the Energy Saving Trust team at the BRE
- Project-specific support
- Local policy & implementation assistance
- Research: policy, markets, consumers, technical
- Consumer campaign and advice to recognise the value of sustainable development to consumers

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# Benefits of using the Energy Saving Trust

- Get ahead of the 2010 regulations looking for a further improvement of 25%
- Build to Code Level 3
- Demonstrations to Code Level 4 & 5
- Monitor performance
- Embed energy efficiency in all staff training
- Link marketing to wider initiatives
- Current Energy Saving Trust solutions are well used by other housing professional including architects and local authorities

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**Achieving airtightness: for housing professionals**

This series of two, one day workshops will:

- Introduce you to the concepts behind the new 'built tight, ventilate right'.
- Detail what will be required of designers and builders in next year's building regulations.
- Provide a theoretical and practical demonstration.
- Help you identify common faults and appropriate solutions.

The site visit and practical demonstration using pressure testing and blower door thermography equipment will enable you to witness the performance of the test dwellings on-site first hand and identify 'at risk' points. Site safety rules must be followed and delegates must bring with them hand tools, flexibility jackets and safety boots as appropriate.

A discussion and feedback session after the visit will allow interpretation of the results and a retrospective identification of the approaches, techniques and building practices employed during the building construction.

Seminars will be held in Milton Keynes, Bicester and Oxford (subject to review).

**Programme**  
Each course will run from 10.45am - 4.30pm  
Registration from 10.30am onwards and includes:

Seminar agenda	
10.45	Registration and coffee
11.00	Welcome and Chairman's Introduction
11.15	Ventilation and airtightness in dwelling construction
12.00	lunch
1.00	Site visit
3.00	Discussion and feedback
3.45	Best practice workshop
4.30	Questions and close

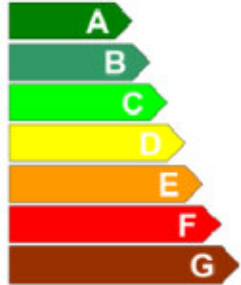



**Energy Efficiency Best Practice In Housing - Best Practice in new housing - a practical guide**

- Straightforward specifications for building energy efficient homes
- Different options for achieving Best Practice
- Recommendations for a range of dwelling types

Energy Saving Trust

# Energy Saving Trust successes in the house building industry

- Supported the development of the Glazing Rating Scheme, and C&G training for heating installers
- Developed SAP Appendix Q protocol for acknowledging the performance new technologies
- Developed default values for acknowledgement of enhanced detailing within Building Regs. methodology
- Developed energy monitoring protocol for assessing the actual performance of newbuild homes
- A number of Energy Saving Trust guides are referenced in Approved Document L1A and L1B

Energy Window	
	Window Ltd. XYZ 68/abc
	
Energy Index (kWh/m <sup>2</sup> /year) <small>(Energy Index certified by BFRG and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)</small>	<b>-14</b>
The climate zone is:	<b>UK</b>
Thermal Transmittance (U-value)	1.7 W/m <sup>2</sup> K
Solar Factor (g-value)	0.50
Air Leakage (L-value)	0.10 m <sup>3</sup> /m <sup>2</sup> /h
 <a href="http://www.bfrc.org">www.bfrc.org</a> 	
<small>This label is not a statutory requirement. It is a voluntary label provided as a customer service to allow consumers to make informed decisions on the energy performance of competing products.</small>	
<b>Note: Example label only</b>	

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energy saving trust™

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