Reducing Heat Loss from Home

HL 0/v2

Footsteps Energy Champions

Reducing Heating Bills

Acknowledgement:
These cards are based Centre for Sustainable Energy and Energy Saving Trust resources and draw on John Newson (Balsall Heath One Planet) and Footstep' members experiences

Footsteps
Faiths for a Low Carbon Future

Central England Quakers

See www.footstepsenergychamps.org.uk/ for sources, acknowledgements and to download cards

SUGGESTIONS and TIPS

Using Footsteps flash cards

- An Important Aspect of the Reducing Heating Bills is described on the front
- The Suggestions and Tips on the back identify initial steps that can be taken
- If you have internet access, Footsteps recommends that you visit the Energy Saving Trust, Citizens Advice Bureau, Centre for Sustainable Energy for further information

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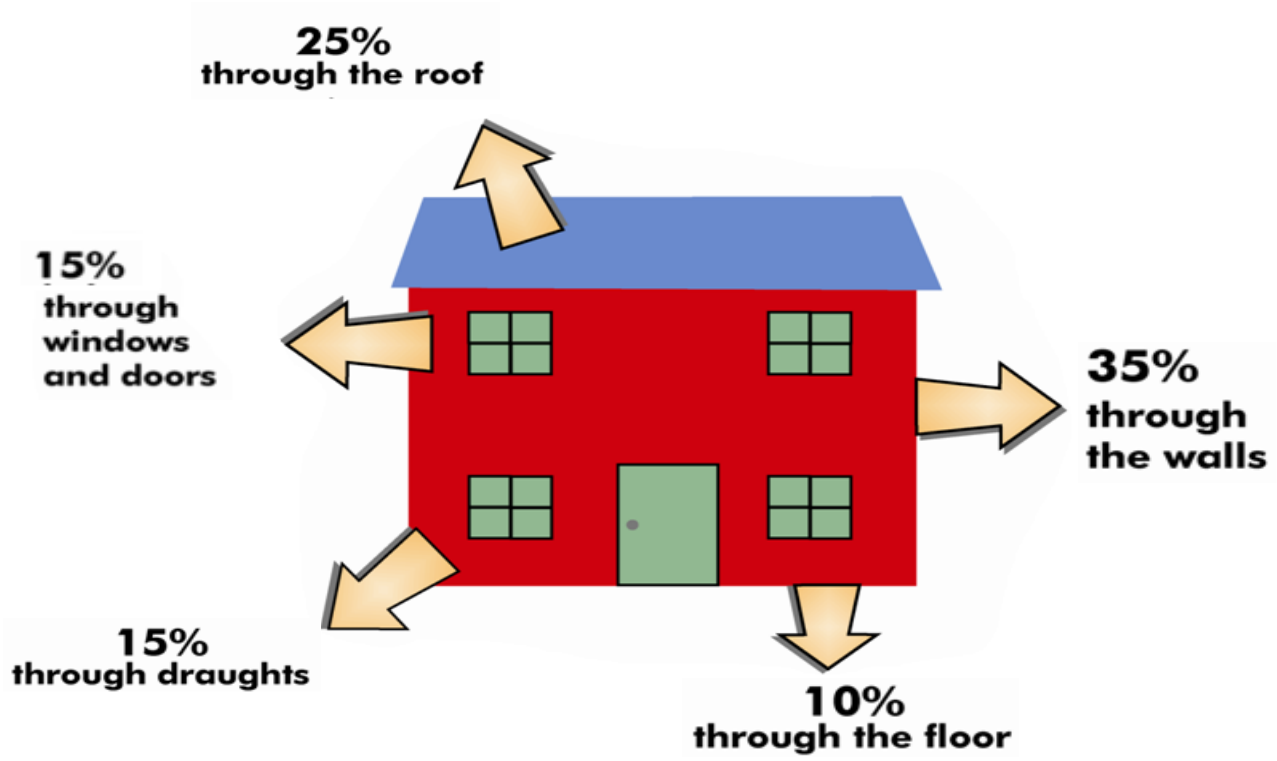
Reducing Heat Loss from Home

HL

PERCENTAGE HEAT LOSS?

Roof
Floor
Windows
Draughts
Walls

Heat Loss from a Home



Keeping warm involves stopping heat escaping and then using as little fuel as possible to produce the heat

SUGGESTIONS and TIPS

Low cost → High cost

Loft insulation	Cavity wall insulation	Floor insulation	Solid wall insulation
270 mm of loft insulation recommended	Blowing insulating material into cavity inside walls - Homes built after 1930's	Suspended under timber or over concrete floors	Clad exterior or interior of home – for older homes
£440 for semi (cheaper if DIY)	£760 for semi	£1,600 - £2,900	External: £12,000 Internal: £5,500-£8,500 (about £540 a year saving)
£640/year average saving	£315/year average savings	£110/year average savings	£540/year average savings
Free or part funded available	Free or part funded available	Not usually funded through schemes	Internal is disruptive – good to do when rendering/ plastering/redoing electrics Free or part funded available

d cards

SUGGESTIONS and TIPS

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Energy Performance Certificates

- Energy Performance Certificates or EPCs tell you how energy efficient a building is and give it a rating from A, very efficient, to G, very inefficient.
- EPC tells you how costly it will be to heat and light your home (based on energy costs at the time EPC was done), what its carbon dioxide emissions are, and what can be done to reduce energy use.

SUGGESTIONS and TIPS

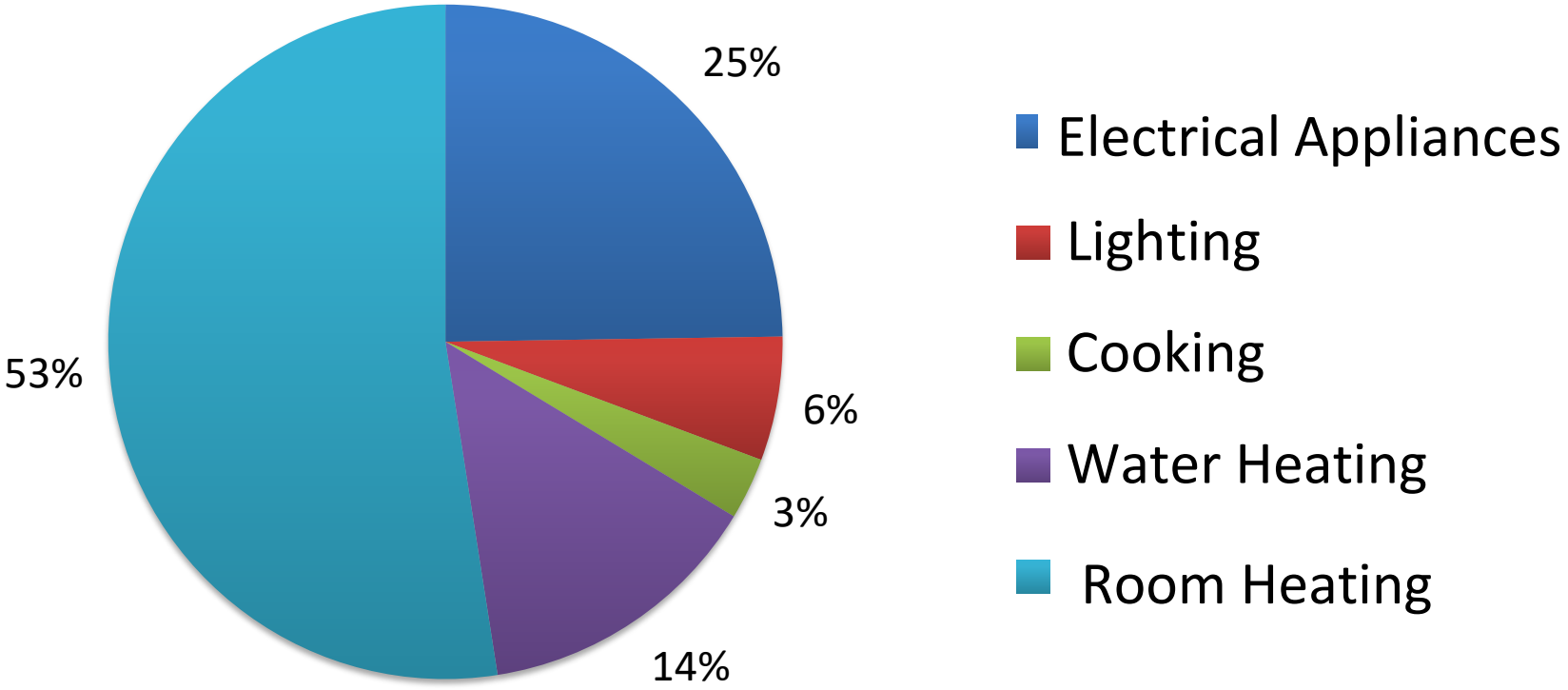
Energy Performance Certificates

1. Look for your EPC online https://www.gov.uk/find-energy-certificate
2. Obtain an EPC if your house does not have one.
3. Read its recommendations for measures to improve your home and its EPC rating.
4. Discuss them with the landlord, if you do not own the property. A good EPC rating will help to rent or sell the property in future.
5. www.gov.uk/improve-energy-efficiency suggests energy saving improvements using the home's EPC

PERCENTAGE ENERGY USE IN THE HOME?

Electrical Appliances
Lighting
Cooking
Water Heating
Room Heating

Energy use in the home



Room Heating is the largest element of energy use, especially in winter months

USEFUL WEBLINKS/ Saving Energy in the Home – Footsteps (footstepsbcf.org.uk) flashcard packs

- 1 Reducing energy use in the home
- 2 Low and no-cost steps
- 3 Heating systems and controls
- 4 Tackling Damp and Cold
- 5 Insulation
- 6 Energy Bills

NOTE: Downloadable Flashcard pack no 6 on Energy Bills requires revision as follows:

Insulation and Home Improvements

IH

Replace no 6 by [Help with your energy bills: Overview - GOV.UK (www.gov.uk)]

And use this for insulation grants:

[Apply for support from the Great British Insulation Scheme - GOV.UK (www.gov.uk)]