

### Spanish

Si desea esta información en otro idioma, rogamos nos llame al 020 7926 9000

### Portuguese

Se desejar esta informação noutro idioma é favor telefonar para 020 7926 9000

### French

Si vous souhaitez ces informations dans une autre langue veuillez nous contacter au 020 7926 9000

### Bengali

এই তথ্য অন্য কোনো ভাষায় আপনার প্রয়োজন হলে অনুগ্রহ করে ফোন করুন 020 7926 9000

### Twi

Se wope saa nkaeboy yi wo kasa foforo mu a fre 020 7926 9000

### Yoruba

Tí ẹ ba ẹ imoràn yí, ní èdè Òmíràn, ẹjẹ, ẹ kàn wà l'ágogo 020 7926 9000

Building for the future

Save energy, save water, save money

**If you would like this information in large print, braille, audio tape or another language please contact 020 7926 9000**

## Useful contacts

### Lambeth Building Control

for advice on compliance with Building Regulations:

Tel: 020 7926 9000

Email: [buildingcontrol@lambeth.gov.uk](mailto:buildingcontrol@lambeth.gov.uk)

### Lambeth's Sustainable Development Officer

for further advice on sustainable construction:

Tel: 020 7926 6210 or 020 7926 3572

Email: [envinfo@lambeth.gov.uk](mailto:envinfo@lambeth.gov.uk)

### BRECSU (Building Research Establishment)

for details of free design advice for a day on energy efficiency and environmental issues:

Tel: 01923 664000

Email: [environment@bre.co.uk](mailto:environment@bre.co.uk). [www.bre.co.uk](http://www.bre.co.uk)

### The London Solar Club

for advice on how to install domestic solar water heating or energy panels:

Tel: 020 7582 9191

Email: [info@sustainable-energy.org.uk](mailto:info@sustainable-energy.org.uk)

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

### Green Street

Tel. 020 8973 0429

Email: [info@sustainablehomes.co.uk](mailto:info@sustainablehomes.co.uk)

### Construction Resources

for local advice and environmentally-friendly building materials

Tel: 020 7450 2211

Email: [info@ecoconstruct.com](mailto:info@ecoconstruct.com)

[www.constructionresources.com](http://www.constructionresources.com)

### The Green Register

for details of training courses in sustainable construction, or to source environmental building professionals.

Tel: 020 7820 3159

Email: [info@greenregister.org](mailto:info@greenregister.org)

### Forest Stewardship Council (FSC)

for advice and information on sourcing FSC timber

Tel: 01686 413916

Email: [fsc-uk@fsc-uk.demon.co.uk](mailto:fsc-uk@fsc-uk.demon.co.uk)

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

### National Green Specification

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

### Association for Environmentally Conscious

buildings

[www.aecb.net](http://www.aecb.net)

For more information, and for advice on Building Regulations, please contact:

### Lambeth Building Control

London Borough of Lambeth  
Phoenix House, 10 Wandsworth Road  
London SW8 2LL

Tel: 020 7926 9000

Fax: 020 7926 1155

Email: [buildingcontrol@lambeth.gov.uk](mailto:buildingcontrol@lambeth.gov.uk)

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

This leaflet highlights some of the key points to think about, but you should always get detailed advice from qualified consultants and architects.



**This leaflet gives you guidance on how to save energy and water, which will save you money, by using environmentally friendly materials. Following the tips will help to create attractive, high quality buildings that people will want to work in, buy or rent.**

Here are some examples of heat losses from different parts of a typical terraced house:

- draughts .....10-15%
- walls .....25-30%
- windows .....20%
- roof .....25%
- floors.....10%

## How to make your home or building energy efficient

- Add rainwater collecting butts in downpipes from the roof guttering, and use permeable surfaces around buildings, to allow rain to naturally drain away.
- Use vitrified clay pipes for drains. These use a less harmful production process than PVC (polyvinyl chloride is a synthetic plastic) pipes, and can be recycled at a later date. PVC is not easy to dispose of, and can be damaged by rodents.
- Use recycled or new concrete slabs, rather than asphalt paving.
- External lighting should have controls for efficient use, for example, lights that automatically go off when there is enough daylight, or when they're not needed at night.

## Use environmentally friendly materials

- Add more insulation, beyond the minimum requirements recommended, in walls, roofs and floors, to save energy.
- Use recycled materials – second-hand bricks, tiles, slates and crushed concrete.
- Use mineral wool, expanded polystyrene and recycled newspaper as insulation. These use less energy during production, and produce less noxious emissions than polystyrene and polyurethane.
- Use timber with FSC (Forestry Stewardship Council) accreditation
- Make sure that windows, doors and roof lights, meet the new Building Regulations and are designed to save energy.
- Use water-based or natural paints and stains which will not threaten the painter's health, or the quality of the air.
- Use draft-excluders to reduce heat loss through doors and windows. Use rolled-up material that you can put at the bottom of doors to stop drafts, and use draft excluder tape around windows.
- Use materials from local builders' merchants/DIY stores, so that you do not have to transport them long distances.

## Save energy

- Use gas-condensing boiler for your water and heating – these are very energy efficient. If you're working on a large-scale project, consider using a combined heat and power boiler for maximum energy efficiency, and to save costs. Check with Building Regulations to make sure that your boiler meets the minimum efficiency standards.
- Insulate existing pipes and tanks to save energy – again check with Building Regulations for the minimum standards.
- Install water saving toilets with a dual flush.
- Use aerated spray taps and shower heads to reduce water consumption.
- Install temperature controls for different parts of the house, for example, thermostatic valves which control the temperature of radiators, so that you don't waste energy and money.
- Use low-energy lighting and light bulbs – at least some of the internal lighting must use energy-efficient lamps, for example, fluorescent lamps.
- Install ventilation systems throughout, with heat recovery units which use heat from the air and put it back where it is needed in the house/building.
- You don't need to have heating in a conservatory – the sun will provide solar energy to heat the room.

- Install storage areas (inside or outside your home/building) so you can collect recycled material.
- Think of using solar power. Solar energy panels can be used to heat water. Sunlight capturing panels, which can be used instead of roof tiles for cladding or roofing, maximize energy efficiency and can generate electricity.

## Reducing waste:

- You may have to pay a landfill charge to remove waste so you should control and regulate the amount of waste produced during the building process. You can reduce packaging, re-use bricks and timber and recycle demolition waste

## Grants available

Grants may be available from the following organisations:

### Energy Savings Trust.

See [www.est.org.uk](http://www.est.org.uk)

### Creative Environmental Networks

Tel: 020 8683 6600;

Email: [enquiries@cen.org.uk](mailto:enquiries@cen.org.uk)

### Low Carbon Buildings Programme

Tel: 0800 915 0990;

Email: [info@lowcarbonbuildings.org.uk](mailto:info@lowcarbonbuildings.org.uk);

[www.lowcarbonbuildings.org.uk/home](http://www.lowcarbonbuildings.org.uk/home)