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Funding your energy efficiency project

In some cases, you may be able to obtain funding for work to make your home more energy-efficient. This is available from three main sources (terms and conditions apply):

UK Government

Grants are available for renewable energy projects (up to 30% of the installed cost of a wind turbine or solar water heating panels). You can find out more about these at www.lowcarbonbuildings.org.uk

There are also Government funded schemes providing up to £2,700 to households on certain benefits to improve their heating and energy efficiency. The scheme is known as 'Warm Front' in England, 'Warm Homes' in Northern Ireland, 'Warm Deal' in Scotland and 'Home Energy Efficiency Scheme' in Wales (see www.direct.gov.uk for more information).

Energy suppliers

All the major energy companies offer incentives to encourage energy efficiency projects in the home. What's more, you can take up offers from any of the energy companies, regardless of who supplies your gas and electricity.

Your local authority

Some local authorities provide grants and offers for local residents to install energy efficiency measures in their home.

For details of funding that may be available in your area, log onto the Energy Saving Trust website and check their Grant Information Database for your postcode area:

www.est.org.uk/home/GID

Information correct at time of going to print (September 2006)



Working together in making home energy generation and energy saving measures accessible to our customers.

The Energy Saving Trust (EST) is a non-profit organisation, funded by Government and the private sector. Part of its role is to provide practical tips and advice to help people become more energy efficient in their daily lives – including the 'save your 20%' campaign. For more information, visit their website at www.est.org.uk/myhome

Get your FREE personalised report on how to save energy in your home. Call 0800 512 012

And look for appliances that carry the 'energy saving recommended' logo.



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WS1000 product specification

- AC Input (Mains): 230 Volts (nominal) ac, @ 50Hz
- Power Input (Mains): 6 Watts (Power consumption of the Plug 'n' Save™ unit in "standby" mode)
- Rated Power Output: 1kW @ rated wind speed
- Rated Wind Speed: 12.5m/s
- Cut-in Wind Speed: 3.5 to 5 m/s @ hub height
- Cut-out Wind Speed: 14 m/s @ hub height
- Reference Extreme Wind Speed: 35 m/s @ hub height
- Operating Temperature Range, Generator: - 15C through + 40C at altitudes < 1000m above sea level
- Weight Generator System: 25kgs excluding support pole and brackets
- Weight, Plug 'n' Save™: 11kgs
- Dimensions - Generator Assembly: 320mm long x 150mm wide x 110mm deep support shaft
- Swept Area, Blade Assembly: 2.4m sq
- Swept Diameter: Blade Assembly: 1.75m
- Dimensions: Plug 'n' Save™: 535mm long x 315mm wide: 130mm deep
- Noise, Generator System: 52 dBA 5m behind turbine @ 7m/s gusting
- Noise, Generator System: 33 dBA 5m behind turbine @ 5m/s gusting
- Operating Speed Range of Blades: 100 - 900 rpm (useful power output range)
- This system is CE marked and conforms to all BS and EN legislation
- Values are nominal only as slight variations will be present from unit to unit
- General references above relate to BS EN 61400 part 2
- Design and specification are subject to change without notice
- Wind speed figures assume a steady value, as gusts to this figures will not always provide maximum output



See our **How to...** leaflet on Solar Heating Panels for information on saving up to 50% on your water heating energy bills

A summary of this leaflet can be made available in Braille, large print and audio cassette. Please ask for details or email us at diversity@b-and-q.co.uk

Every effort has been made to ensure that the instructions given in this leaflet are accurate and will enable you to do the job safely and successfully. Please follow instructions carefully and seek expert advice in the event of difficulty.

B&Q plc. Hampshire, SO53 3YX
Visit us at www.diy.com

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You can do it... **B&Q**



How to... GENERATE ELECTRICITY WITH WIND POWER

SUSTAINABLE ENERGY

Ever thought it would be easier to make your own energy? Well, now you can. Wind turbines can provide up to 30%* of the electricity your household needs (based on average wind speeds and suitable locations).

Installing them is now an easy and affordable option for almost every home.

You can do it... **B&Q**

1

Sustainable energy

As fossil fuels begin to run out, sustainable or renewable energy sources, like wind and solar power, are becoming increasingly important – and they're not just something for the Government and energy companies to think about. Renewable energy can be a practical and environmentally friendly option for nearly every household.



B&Q energy efficiency explained

What is renewable energy? This is energy from sources that won't run out, such as wind, sunshine and water – unlike fossil fuels, such as oil, natural gas and coal, which have limited supplies.

What are carbon emissions? Fossil fuels contain carbon. When we burn them, this releases carbon dioxide (the main greenhouse gas) into the atmosphere. So consuming less energy from fossil fuels is one of the best ways to reduce the greenhouse effect – and something we can all help with.

What is the greenhouse effect? Carbon dioxide and other gases form a cloak in the atmosphere, keeping the heat in – a bit like the glass walls of a greenhouse.

What is climate change? The concentrations of greenhouse gases in the atmosphere are increasing, causing global warming. As the earth warms, it prompts physical changes, such as melting ice-caps. These, in turn, contribute to changing weather conditions, such as frequent droughts and new hurricane patterns.

2

Wind turbines

The UK is an ideal location for wind energy. We get 40% of Europe's total wind energy, but we don't make the most of it – only 0.8% of our electricity needs are currently met by wind power.

Most of us are familiar with the huge wind-farm turbines that you sometimes see on hillsides – but did you know that you can now save up to 30%* off your electricity bill, by getting a smaller turbine fitted to your house?

You can also take advantage of Government grants, covering up to 30% of the installed cost. Find out more on page 4 (conditions apply).



Windsave Wind Turbine WS1000

The three-bladed Windsave WS1000 Plug 'n' Save turbine is designed for use with most households.

The price includes installation by experts, and your home will be surveyed first to make sure it is suitable.

Windsave Wind Turbine WS1000
5060124830049

£1,498

All prices are correct at time of print and will be held at least until 9th November 2006.

*Based on average wind speeds and suitable locations.
The wind turbine generates 1kW at 12.5 metres per second wind speed

3

The easy way to generate your own energy

The Windsave WS1000 Plug 'n' Save turbine is specially designed for domestic use. You can order it direct from your local B&Q store, or online at www.diy.com. The price includes a survey and professional installation by an approved engineer.

Here's how it works:-

1. Place your order in store, or online.
2. Our installation centre will contact you to arrange a survey of your property to check that it's suitable and discuss where the unit should be fitted.
3. We'll then arrange a convenient date to carry out the work - which normally takes around half a day.
4. The engineer will connect the turbine directly into your household electrical supply - and you'll start saving money right away.

Will I need planning permission?

Yes, you will need to check with your local council first.

B&Q energy tip

You don't need to live on a windy hillside. Even in town, fitting a wind turbine to your home can cut your electricity bill by up to 30%*