

MICROGENERATION

Micro Wind

What are they?

Small wind turbines generate electricity from the power of the wind. They consist of two or three blades and are similar in appearance to the propeller of an aeroplane. Wind turbines are typically erected as free standing units in exposed positions where there is plenty of wind.

How do they work?

Wind power is used to rotate the blades and drive a turbine. This generates electricity which you can use throughout your property instead of taking electricity from your energy supplier. The stronger the wind, the more electricity is produced.

Benefits

- > Reduce your electricity bills
- > Protect yourself against rising energy costs
- > Reduce your CO₂ emissions

What are the potential savings?

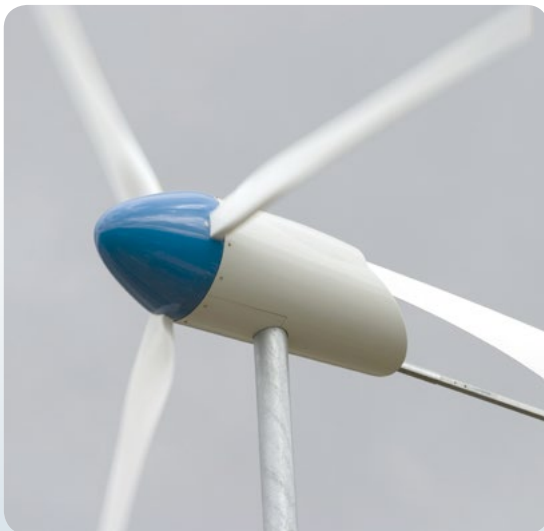
Savings would be gained by using the energy you generate rather than buying it from an electricity supplier.

What are the typical costs?

If you were to have this measure installed without Green Deal, this would typically cost you upfront:

> **£15,000 - £22,500**

Costs vary depending on the size of turbine and the mounting method. Typical costs are £2,000 (1kW roof-mounted), £15,000 (2.5 kW pole-mounted) and £22,500 (6 kW pole-mounted).





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How can I benefit from Green Deal?

By taking advantage of the Green Deal, you may receive finance to have these energy-saving improvements installed in your home at no full upfront cost. The savings you make will always be greater than the cost of repayments on the measures installed.

Where and how are they installed?

- > There are two types of domestic wind turbine:
- > Pole-mounted
- > Building-mounted

Free standing pole-mounted systems should be erected in a suitably exposed location. It is stipulated that it is positioned at least 1.1 times the height of the turbine away from the edge of the property.

Building-mounted systems are generally smaller than pole mounted and can be fitted to the roof of a home. An inverter will also need to be installed in a loft or appropriate space which is used to convert the electrical current generated from AC to DC. This will then be connected to the home's existing electrical system.

Will they be suitable for my home?

Wind turbines are most suitable for remote properties where there is no access to a mains electricity supply. They should be sited in wind exposed areas free from turbulence caused by nearby buildings or trees. There are a number of restrictions regarding the positioning of wind turbines and it is therefore recommended you contact your local planning office before any work is undertaken. Your NICEIC Green Deal Advisor will provide you with impartial advice on the measures most suitable for your home.

What do I need to do next?

Step 1

Get an energy assessment report completed on your home by an NICEIC Green Deal Advisor.

Step 2

Present your report to a Green Deal Provider who will assess whether to approve the finance on the measures you wish to install and coordinate your Green Deal plan.

Step 3

If approved, the Green Deal Provider can arrange for the installation to be carried out by an NICEIC Green Deal Installer.

Step 4

Once installed, your Green Deal payments will be included as instalments in your energy bill. This will be arranged for you by your Green Deal Provider and your energy supplier.

Click here to join
or call 0843 290 3518

to find a certified **Green Deal** Advisor, Provider and Installer to start your Green Deal now.