

Are home wind turbines worth it

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In Scotland alone, wind turbines generated almost twice the entire country's domestic power needs during the first half of 2019.

It's not just large-scale wind farms that exist, though. It's also possible to generate electricity at home with small-scale wind turbines on your land or attached to your building, allowing you to harness the power of the wind yourself.

You can keep up to date with the best deals for your energy bills using an online comparison tool, by learning the basics and staying savvy. The good news is that we can help you every step of the way, from navigating the offers to finding the best energy supplier for you and making switching quick and easy.

If you're feeling motivated to find the best deals, you aren't the only one. Around 5 million households switched their gas or electric supplier last year, according to domestic energy switching statistics.

Wind is the movement of air, caused by air pressure changes in the atmosphere. As the sun heats parts of the earth, it causes hot air to rise, leaving cool air to move from areas of high pressure to areas of low pressure. This is otherwise known as wind.

Because the sun shines, the wind blows. This means that we'll always have wind, as long as the sun shines, and even though we harness the power of the wind for energy, it won't run out. Energy sources that replenish naturally by themselves are known as renewables.

The wind has been a power source since ancient travellers captured the wind in their sails to propel ships across the seas. Windmills have also been used by farmers to pump water and to grind grains.

More recently, we have used wind energy to generate electricity using turbines. Gusts of wind force the turbine's blades to spin, which connects to a generator to produce electricity.

It's important to think realistically about what is appropriate for your home, as renewable energy technologies aren't well suited for every household.

Some wind turbines can be as tall as a 20-story building with three 60-meter blades, but smaller turbines can be installed on your land or attached to your building to produce electricity for your home or to help you power a small business.

However, you do still need adequate outdoor space and enough wind for your turbine to work effectively. Domestic wind power is most appropriate for rural and exposed homes in the UK.



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Setting up your domestic wind turbine also requires an upfront investment. Energy Saving Trust reports that a typical 6kW wind turbine costs between £23,000 to £34,000.

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