

Renewable Energy Choices for the Home

Reducing your **dependency** on fossil fuels in your home is **good** for the environment and **saves** you money. Here are some of the options available to you.



- **Solar photovoltaic (PV) panels**
 - Generates some of the electricity requirements for your home, how much will depend on system size and available roof space.
- **Solar thermal panels**
 - Produce around 60% of your home's hot water requirements
- **Air source heat pumps & Ground source heat pumps**
 - Take care of all your heating and hot water requirements. They do use electricity to top up the temperature, so make sure your home is well insulated before installing them.
- **Wind**
 - Where suitable, this can generate some of your homes electricity
- **Biomass boilers**
 - Can provide some or all of your home's hot water and heating requirements depending on what you put in place. The fuel you use in them should be from a sustainable source, making this a carbon neutral heating choice (although you must take into consideration the creation and transport of the fuel).
- **Micro CHP (combined heat and power)**
 - A high efficiency gas (or LPG) boiler that generates electricity while the boiler is on.



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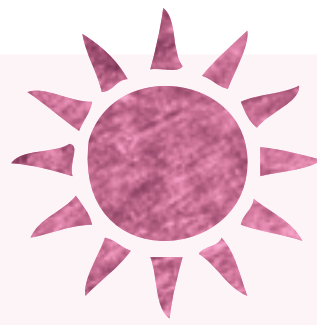
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Wind can generate some of your homes electricity



Solar thermal panels produce around 60% of your homes hot water requirements

Biomass boilers can provide some or all of your homes heating

Solar PV panels generate some of the electricity requirements for your home

