

## ECO AUDIT

We believe that implementing energy efficiency and renewable energy solutions is the best investment we can make for ourselves and future generations. Our eco audit covers a wide-range of buildings and design measures to help reduce carbon footprint, and save money on energy bills.

We are aware that every property has its own distinctive and individual needs, and our audit service ensures that only the most appropriate methods and systems are recommended. Detailed are below is a list of what we measure, and some examples of the solutions we are able to provide.

### **Energy carbon footprint**

A carbon footprint is a measure of the impact that activities and in have on the environment, and in particular climate change. It relates to the amount of greenhouse gases produced by a household through burning fossil fuels for electricity, heating and transportation etc.

The carbon footprint is a measurement of all greenhouse gases produced and has units of tonnes (or kg) of carbon dioxide equivalent. We are able to calculate the carbon footprint of a property, to identify how large an impact it has on the environment, on what measures could be taken to reduce it.

### **Potential for renewables**

A comprehensive analysis of the potential for renewable power sources will be completed. This looks at how suited a property might be toward renewable energy sources. These include; PV Solar panels, and Solar water heating systems, both of which we were able to perform installation of, if deemed suited to a property.

### **Electricity use**

A review of electricity usage and efficiency will identify any action which could be taken to improve efficiency, and reduce the property's consumption of electricity. In turn reducing bills, and the carbon footprint. One example of how efficiency could be improved would be through a Voltage Optimiser. These can improve the efficiency of electricity consumption, with no effect on lifestyle or usage levels. Another approach would be to install an electricity monitor, which displays in real time the cost of electricity consumption.

## Heating efficiency

Heating efficiency is one of the most common ways of reducing the energy consumption and environmental impact of a property. Our audit includes an extensive review of heating efficiency, and with a large variety of ways to improve efficiency, we provide the most economic and relevant solutions for each individual home.

For many homeowners the most cost effective and energy efficient measure is to replace an ageing low-efficiency boiler with a modern high efficiency model, and all boilers are specified and installed by Gas Safe accredited heating engineers. Insulation is the most effective way of reducing the energy requirement to heat a home, and we are able to supply and install basic and high-grade insulation where deemed appropriate.

## References

<http://www.decc.gov.uk/>

<http://www.energysavingtrust.org.uk/Generate-your-own-energy/Solar-electricity>

**For enquiries and any further information, please don't hesitate to contact us.**