

ENERGY EFFICIENT SCOTLAND

ENERGY EFFICIENCY MEASURES

By 2040, our homes and buildings are warmer, greener and more efficient.

This guide demonstrates some of the measures that can be taken to improve the energy efficiency of your home or business and gives examples of the energy and cost savings that can be made. These are only examples and you should seek further advice on what energy efficiency measures will be suitable for your property and whether they are covered by any financial support. If you are a homeowner or a landlord of a residential property, you can receive free and impartial advice by contacting Home Energy Scotland on 0808 808 2282 or by going to www.homeenergyscotland.org. If you are the owner of a non-domestic property, you can call Local Energy Scotland (080 808 2288) or Resource Efficient Scotland (080 808 2268) for free and impartial advice on improving the energy efficiency of your property.

What measures could you take?

Installing one or a combination of the energy efficiency measures shown in this diagram could help you to achieve the energy efficiency standards set by Energy Efficient Scotland and detailed in our other guides.



Energy Efficiency Measures

- 1 Cavity wall insulation
- 2 Secondary glazing
- 3 Draught proofing
- 4 External wall insulation
- 5 Floor insulation
- 6 Boiler upgrades
- 7 Internal wall insulation
- 8 Loft insulation
- 9 Low energy lighting
- 10 Secondary glazing
- 11 Tank insulation
- 12 Double glazing

Renewable Energy and Heat Technologies

- 1 Air source heat pumps
- 2 Biomass boilers
- 3 Ground source heat pumps
- 4 Solar photovoltaic panels
- 5 Solar thermal water heating

How can these measures help?

Case Study A: External Wall Insulation, South Ayrshire

External wall insulation was applied to 18 houses in South Ayrshire as part of the Scottish Government's Home Energy Efficiency Programmes for Scotland: Area Based Schemes (HEEPS: ABS). As a result, a fuel cost average yearly saving of £270* was seen in households. Following installation, the average EPC rating of these properties improved from band D to band C. Householders shared that as a result of the installation they now enjoy warmer homes that are easier to heat and have seen a reduction in draughts, condensation, and noise.

*estimated saving based on EPC rating change

Case Study B: Central heating system, Glasgow

Mr C had to rely on plug-in heaters in his property because of an inefficient heating system. With young children in the home, it was important to him to provide a warm and healthy environment for his family. He was referred to Home Energy Scotland and was eligible for the installation of a new central heating system under the Warmer Homes Scotland scheme. His EPC rating increased from band F to band C, which is a significant increase and has helped to secure peace of mind when the bills come and a warmer home for his family.