

This fact sheet has been developed by the Walsall Energy Action Project to help give a better understanding of energy and ways we can save money, energy and reduce our climate impact at home. For more information please visit one of our partner community hubs, where you can find help and support and access one of our libraries of inspiration.

## Heat loss in the home

Have you often wondered why its so hard to keep your home warm on cold days?

We lose heat through the fabric of our homes; the walls, roof, floor, windows and doors all let heat escape, making our homes harder to keep warm. The best way we can keep them warm is to stop the heat escaping.

By improving the insulation in our homes we can keep more of the heat we generate in, meaning we need less energy to keep us warm in the first place. This will help to reduce energy consumption and lower your bills.

The image to the right shows the average heat losses in a typical UK home. By improving the insulation to the walls, roof and floor we can reduce heat loss by 75%, and by upgrading the windows and doors we can make further savings of 25%.

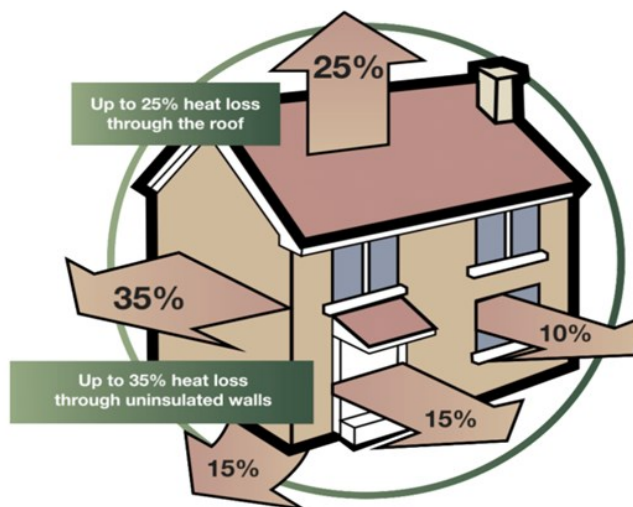
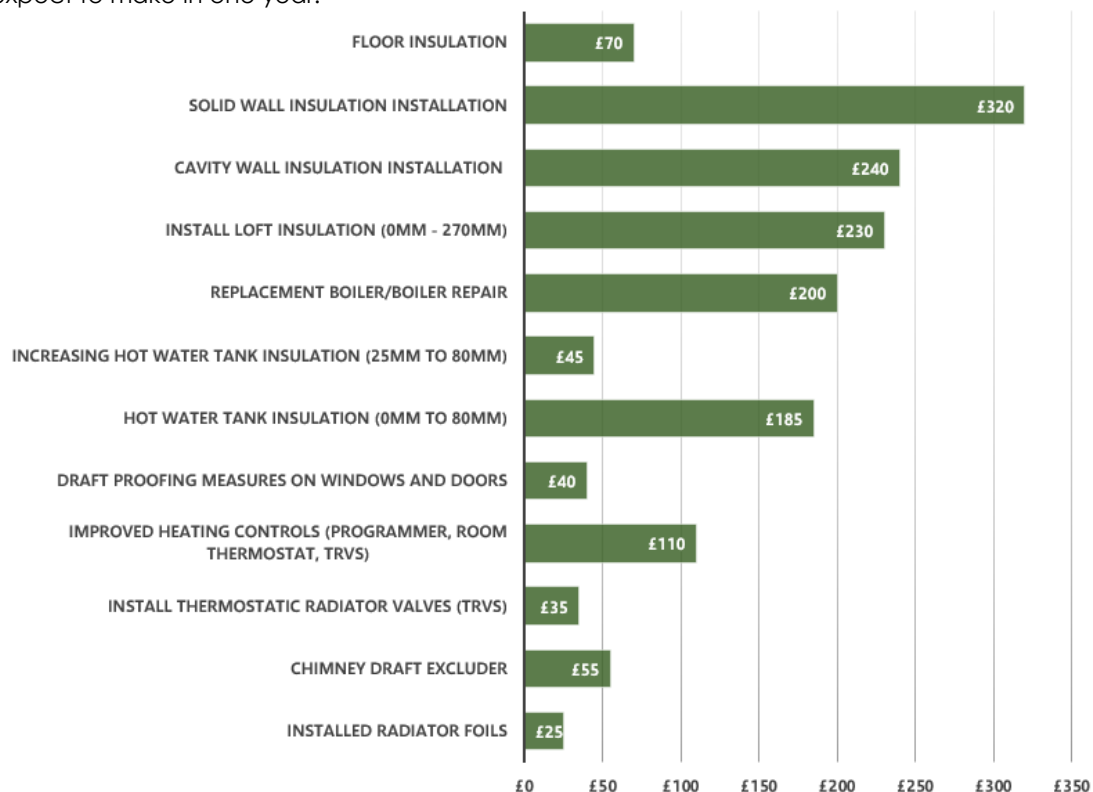


Image illustrating typical heat loss in a home.  
Courtesy of South Tyneside Council. <sup>(1)</sup>

## How much could you save?

Below are a list of energy saving measures and technologies with the estimated savings you could expect to make in one year.



The above savings are based on a typical three bedroom semi detached house on a standard energy tariff paying by direct debit.<sup>(2)</sup> [energysavingtrust.org.uk/hub/quick-tips-to-save-energy/](http://energysavingtrust.org.uk/hub/quick-tips-to-save-energy/)



**Did you know** in a typical British home one third of all heat produced is lost through the roof, walls, floor and windows. For a poorly insulated property this means **£1** out of every **£3** spent on energy, is **wasted**.<sup>(3)</sup>

## Co-benefits of retrofit

**80%** of the homes we will be living in by 2050 in the UK, have already been built. This means if we would like to live in warm, healthy homes that are affordable to power, we need a **retrofit revolution**.

We need to keep the warmth in by improving the efficiency of the fabric of our homes, and then power up using renewable technologies.

To retrofit our housing stock will be a challenge, but it is a huge opportunity which will provide skilled jobs for generations, and will produce **better quality**, more **efficient** and **healthier homes**.



## Energy efficiency funding and advice

To help fund some of the measures mentioned in this leaflet the UK government launched the Energy Company Obligation scheme to help improve the efficiency of the homes of the UK and reduce carbon emissions. This funding is available if you own the home you live in, or rent from a private landlord and meet certain criteria<sup>(4)</sup>. To learn more you can contact one of the weap team, or to find Walsall Council approved suppliers please visit the website below:

**[go.walsall.gov.uk/housing/saving-energy](https://go.walsall.gov.uk/housing/saving-energy)**

## Find out more

Our aim at for the WEAP is to build a sustainable, climate-resilient and net-zero Walsall **together**. We are offering free 1-2-1 Energy and Climate Advice sessions and free Home Energy Advice visits.

If you would like to find out more about ways you can reduce your carbon footprint and save energy at home, please contact your nearest partner hub below.

### WEAP Partner Community Hubs

**Ryecroft Community Hub**, WS3 1TR

**Darlaston All Active**, WS10 8AA

**Aaina Community Hub**, WS1 3BS

**Nash Dom CIC**, WS1 4AL

**Brownhills Community Association**, WS8 7JS

**Bloxwich Library / Launchpad**, WS3 2DA

Tel: **01922 626693**

Tel: **0121 568 6144**

Tel: **01922 644006**

Tel: **01922 616444**

Tel: **01543 452119**

**[weap@walsall.gov.uk](mailto:weap@walsall.gov.uk)**

#### Sources

1. South Tyneside Council, South Tyneside Homes Sustainability Principles 2023-2028 [publications.southtyneside.gov.uk/principles/sustainability-principles-2023-2028/](https://publications.southtyneside.gov.uk/principles/sustainability-principles-2023-2028/)
2. Energy Saving Trust, [energysavingtrust.org.uk/hub/quick-tips-to-save-energy/](https://energysavingtrust.org.uk/hub/quick-tips-to-save-energy/)
3. [www.rbkc.gov.uk/environment/climate-change/heat-loss-your-home](https://www.rbkc.gov.uk/environment/climate-change/heat-loss-your-home)
4. [go.walsall.gov.uk/housing/saving-energy/energy-efficiency-funding-and-advice](https://go.walsall.gov.uk/housing/saving-energy/energy-efficiency-funding-and-advice)