

Energy efficiency at home

Helping you and the environment



Nottingham City Homes

Secure ♦ Warm ♦ Modern

A more energy efficient home will cut down carbon dioxide (CO₂) emissions into the atmosphere reducing the carbon footprint of your home. Your home is warmer, reducing damp and mould and making it a more comfortable place to live in with lower fuel bills.

What Nottingham City Homes is doing to make your home warm and affordably heated

Double glazing

Around a fifth of heat from your home is lost through windows. Installing double glazing can cut heat loss by around half. We are replacing all single glazing with double glazing.

How it works

An insulating barrier is created when a thin layer of air is trapped like a sandwich between two panes of glass. This barrier reduces heat loss, outside noise and condensation.

Savings

Double glazing cuts heat loss through windows by up to half and could save you around £135 a year on heating bills.

Heating

Where identified Nottingham City Homes are replacing old boilers with new high efficiency boilers which will help to reduce heating bills and the impact on the environment.

Radiators will be fitted in all habitable rooms to become the primary source of heating. They are more cost efficient than using a fire. We will also provide heating controls allowing you to keep your home at a comfortable temperature throughout.



Estimated fuel cost under typical conditions in properties of average size

	Efficiency	Flat	Bungalow	Terraces	Semi	Detached
Baxi Solo 24HE	91%	£201	£253	£262	£293	£400
Baxi Megalow 18HE	91%	£199	£251	£260	£290	£396
Heavy weight	55%	£308	£393	£407	£458	£634
Light weight	65%	£266	£337	£350	£392	£542

Assumes a unit charge (pence per kWh of 1.63

Source – www.sedbuk.co.uk

What if I prefer to use a fire?

Fires give off radiant heat which when you are in front of it feels really warm. When you move away the heat does not come with you therefore you end up feeling much colder.

Fireplaces are inefficient as a large proportion of the heat goes up the chimney rather than heating the rest of the house. Warming your home using central heating ensures your home is at a comfortable temperature throughout.

Loft insulation

If needed we will top up loft insulation if your home has less than 200mm.

How it works

Loft insulation is material which has lots of air pockets. These pockets trap the heat helping to keep your home warm rather than letting it escape through the roof.



Savings

Insulating an empty loft can save you around £150 per year.

No cost, low cost ways to make your home more energy efficient

Windows

- Closing curtains when it starts to get dark reduces the amount of heat escaping through windows
- Shut windows when the heating is on.



Doors

- Close internal doors to stop draughts.

Radiators

- Put foil behind your radiators to reflect heat back into the room rather than into the walls
- Turn your thermostat down by 1°C this could save you around £55 per year
- Set your thermostat at the lowest comfortable temperature – typically between 18°C and 21°C
- Set your heating and hot water to come on only when needed. Work out how long it takes to warm up your home and cool down on a cold day. If your house takes 20 minutes to warm up set the heating to come on 20 minutes before you wake up and if it takes 40 minutes to cool down set it to turn off 40 minutes before you go out.

Lighting

- Energy saving light bulbs use about 80% less energy than normal light bulbs with an estimated lifespan of around 10,000 hours (ten time longer than traditional light bulbs) saving you money in the long run
- Turn off lights you're not using.

In the kitchen

- When boiling your kettle only boil the amount of water you really need
- Defrost your fridge and freezer regularly – it will help them to run more efficiently
- Wash a full load rather than a half load in your washing machine
- Remember to turn your taps fully off.

Electrical appliances

- Switch electrical appliances off rather than leaving them on standby. Even on standby appliances still use electricity.

Useful links

www.energysavingtrust.org.uk

www.nea.org.uk

www.nottenergy.com

www.ecotricity.co.uk

www.socialhousingaction.com

www.consumerfocus.org.uk



