

HOME ENERGY AUDIT CHECKLIST

HOW TO CONDUCT A HOME ENERGY AUDIT

If you're thinking of conducting a home energy audit yourself, it's important that you plan ahead and know what to do.

The payoff is huge savings on your energy bills.

You should audit everything inside your home, including your main household appliances. The following is a checklist of questions to ask yourself as you conduct your own home energy audit.

	Heating and Cooling	YES	NO
	Is your HVAC system less than 10 years old?	<input type="checkbox"/>	<input type="checkbox"/>
	Do you have a programmable thermostat?	<input type="checkbox"/>	<input type="checkbox"/>
	Is your thermostat set to a low temperature?	<input type="checkbox"/>	<input type="checkbox"/>
	Are the filters and ducts clean?	<input type="checkbox"/>	<input type="checkbox"/>
	Do you use ceiling fans?	<input type="checkbox"/>	<input type="checkbox"/>
	Are your heating and cooling systems energy-efficient?	<input type="checkbox"/>	<input type="checkbox"/>
	Water Heating	YES	NO
	Do you use an energy-efficient hot water system?	<input type="checkbox"/>	<input type="checkbox"/>
	Is your hot water system positioned near the bathroom?	<input type="checkbox"/>	<input type="checkbox"/>
	Is your thermostat set to a low temperature?	<input type="checkbox"/>	<input type="checkbox"/>
	Are your hot water pipes properly insulated?	<input type="checkbox"/>	<input type="checkbox"/>
	Do you use a water-efficient showerhead?	<input type="checkbox"/>	<input type="checkbox"/>
	Appliances and Electronics	YES	NO
	Are your appliances and electronics energy-efficient?	<input type="checkbox"/>	<input type="checkbox"/>
	Are they plugged into power strips?	<input type="checkbox"/>	<input type="checkbox"/>
	Is your microwave turned off when not in use?	<input type="checkbox"/>	<input type="checkbox"/>
	Fridges and Freezers	YES	NO
	Do the doors seal properly and not leak air?	<input type="checkbox"/>	<input type="checkbox"/>
	Is there less than 5mm of frost build-up on the freezer walls?	<input type="checkbox"/>	<input type="checkbox"/>
	Do you run only one fridge and freezer?	<input type="checkbox"/>	<input type="checkbox"/>
	Are they energy-efficient?	<input type="checkbox"/>	<input type="checkbox"/>
	Are they situated in a cool, well-ventilated and shaded area?	<input type="checkbox"/>	<input type="checkbox"/>
	Is the temperature of the fridge between 3-5°C and the freezer between minus 15-18°C?	<input type="checkbox"/>	<input type="checkbox"/>



Lighting

YES

NO

Are you using energy-efficient light bulbs?

Do you use lights with low wattage?

Do your outdoor lights have motion sensors?

Can each light be turned on and off individually?

Do you use individual lamps in each room?

Do you use skylights?



Cooking

YES

NO

Does the oven door seal properly?

Do you use energy-efficient appliances?



Standby Power

YES

NO

Do you use a standby power controller to reduce standby time?

Do your appliances have low standby power?

Do you turn off your appliances at the wall or power board?



Windows

YES

NO

Does the glass have a tint or coating? Is a thin film applied on the glass?

Are your window frames timber, uPVC or combination frames, rather than Aluminium?

Are your blinds white or almost white? Do your blinds have a reflective surface on the outside to help reduce the energy used to cool your home?

Are your blinds and pelmet fitted tightly so there's no room for air to be trapped?

Do you have thick fabric curtains to help increase insulation?

Do your windows have a ventilation opening to allow heat to escape and reduce the work your air conditioner has to do?



Shading and Landscaping

YES

NO

Does your external shading have a light colour? Does it have a reflective surface on the outside?

Does the positioning of your external shading structures match the level of sun you receive? Do you have horizontal shading on any north-facing openings?

Do your plants provide shade in summer to protect your home from heat?

Do you use ground cover plants rather than pavers or concrete, which can attract heat and make more work for your air conditioner?

Are your skylights covered by external blinds or louvers to stop unwanted heat coming in?

Have you planted deciduous vines to grow on your pergolas for summer shade?



Insulation


YES

NO

Is your home made of something that has good insulation properties, like aerated concrete blocks, hollow expanded polystyrene blocks, rendered extruded polystyrene sheets, and even straw bales?

Do your roof and ceiling have insulation?

Do your external walls have insulation?

Is there insulation under the floor?	<input type="checkbox"/>	<input type="checkbox"/>
Do your downlights have protectors installed in the ceiling?	<input type="checkbox"/>	<input type="checkbox"/>
Do you have the right amount of exterior shading for your insulation?	<input type="checkbox"/>	<input type="checkbox"/>
 Proofing and Sealing	YES	NO

Have you fixed any cracks or gaps in your interior wall joints?	<input type="checkbox"/>	<input type="checkbox"/>
Are there seals around your windows where air leaks?	<input type="checkbox"/>	<input type="checkbox"/>
Are there seals between any excess space between doors and their frames?	<input type="checkbox"/>	<input type="checkbox"/>
Do you have door sweeps at the bottom edge of your doors?	<input type="checkbox"/>	<input type="checkbox"/>
Have you sealed gaps where your air conditioner enters your home?	<input type="checkbox"/>	<input type="checkbox"/>
Have you had an electrician install draught-proofing gaskets behind your electrical points?	<input type="checkbox"/>	<input type="checkbox"/>
Have you had an electrician check exposed piping, electrical or telephone lines and seal any gaps around them?	<input type="checkbox"/>	<input type="checkbox"/>

The more things you answer 'yes' to, the more energy efficient your home is.

But what if it is not efficient or you aren't sure how to respond to some of the questions? We're here to help you with professional service and advice or even just to say "Hi".

Get in touch any time. Here's how:



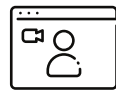
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Ring

"The face you know, the face you trust"



Jeff Hoare



Ask me about

State government-driven upgrade programs in relation to energy efficiency for:

Lightning | Air-conditioning | Solar Power & Energy