

Your Go Electric Plan

By going all-electric, your household could save up to 75%* per year on bills.

This plan prepares you to make the switch. First steps?

- 1 Record the age of your gas appliances and any petrol/diesel cars (check receipts or the appliance nameplate).
- 2 Choose your future electric appliances and/or vehicle. Prioritise and budget for installation.
- 3 Install your new efficient electric appliances and take steps towards an all-electric home!

Here's what to consider when planning:

- **Prioritise replacing appliances that are more than 10 years old.**
- **Replace gas heating, cooktop and oven to improve indoor air quality.**
- **Install Solar PV to further reduce your energy costs.**
- **Improve the insulation and seal gaps in your home to reduce heating and cooling bills.**



Key: **Good, Better, Best:** Ranking of solution based on quality, efficiency and impact on the environment.
\$-\$\$\$+: Upfront cost price range, indicating low, medium and higher priced options in the category.

Appliance	Age of appliance (years)	Go electric with	When could I replace (year)?
Gas heating		<input type="checkbox"/> Split system reverse cycle air conditioning (Best, \$-\$\$) <input type="checkbox"/> Ducted Reverse Cycle air conditioning (Better, \$\$\$) <input type="checkbox"/> Heat pump hydronic heating (Best, \$\$\$+) <input type="checkbox"/> Electric heater (Good, \$)	
Gas hot water		<input type="checkbox"/> Electric hot water heat pump (Best, \$-\$\$\$) <input type="checkbox"/> Electric boosted solar hot water (Better, \$\$\$+) <input type="checkbox"/> Electric storage (with solar and timer) (Good \$)	
Gas cooktop or gas oven		<input type="checkbox"/> Induction cooktop (Best, \$-\$\$\$) <input type="checkbox"/> Electric cooktop (Better, \$-\$\$) <input type="checkbox"/> Electric oven (Better, \$\$\$)	
Petrol or diesel car		<input type="checkbox"/> Electric bike (\$-\$\$\$) <input type="checkbox"/> Electric vehicle (\$-\$\$\$+) <input type="checkbox"/> Walking or riding (\$) <input type="checkbox"/> Taking public transport (\$)	
Gas swimming pool or spa heating		<input type="checkbox"/> Electric heat pump (Best, \$-\$\$\$) <input type="checkbox"/> Solar (Better, \$\$\$)	








Where can I find more information?

- 🔗 manningham.vic.gov.au/electrify-your-life
- 🔗 solarsavers.org.au/register-manningham

* renew.org.au/research/limiting-energy-bills-by-getting-off-gas/

Key appliances for an all-electric home

Appliance	Description	Benefits	Tips and resources	Discounts and support
Solar panels, Battery storage, Green Power 	<ul style="list-style-type: none"> Solar panels convert sunlight into free electricity for use in your home Any excess electricity goes back into the grid or is used to charge a battery. GreenPower is 100% renewable electricity that you can buy to support a cleaner electricity grid. 	<ul style="list-style-type: none"> Powers your home with renewable energy Solar can make your electric appliances free to run Solar usually pays for itself in 3-5 years Anyone can support more renewable energy in Australia by choosing GreenPower. 	<ul style="list-style-type: none"> Run your electric appliances during the day to maximise savings Check your electricity plan to make sure you're getting the best deal Find a GreenPower provider. 	<p>Manningham's <u>Solar Savers</u> program.</p> <p><u>Solar Victoria</u> offers solar rebates and no-interest loans for solar.</p> <p><u>Federal government discount</u> (STCs) applies for solar and batteries</p>
Electric heating and cooling 	<ul style="list-style-type: none"> Can be a single unit, many units or whole of house (ducted) Single units are the cheapest to run. 	<ul style="list-style-type: none"> Heats your home in winter and cools it in summer In winter, reverse cycle air conditioning is 3-4 times more efficient than a standard electric heater or a gas heater. 	<ul style="list-style-type: none"> Clean filters regularly In winter, set temperature to 18-20°C In summer, set temperature to 23-25°C Choose a better refrigerant such as R32. 	<p>Manningham's <u>Solar Savers</u> program.</p> <p>Victorian Government <u>Energy Upgrade program</u> offers discounts for heating and cooling.</p>
Electric hot water heat pump 	<ul style="list-style-type: none"> Heat is extracted from the air and transferred into the water storage tank. 	<ul style="list-style-type: none"> 3-5 times more efficient than an electric or gas hot water heater. 	<ul style="list-style-type: none"> Choose a heat pump with a natural refrigerant such as R290 or R744 Look for systems with control options (such as a timer so you can use your solar energy) If your water heater dies, ask for a temporary system. 	<p>Manningham's <u>Solar Savers</u> program.</p> <p>Victorian Government <u>Energy Upgrade program</u> offers discounts for hot water systems.</p> <p><u>Federal government discount</u> (STCs) applies for hot water.</p>
Electric induction cooktop 	<ul style="list-style-type: none"> An electric cooktop that uses electromagnetism to heat cookware A magnet will stick to compatible cookware (e.g. cast iron and stainless steel). 	<ul style="list-style-type: none"> Improved air quality Safe Fast and efficient Greater temperature range Easy to clean Cooler kitchen. 	<ul style="list-style-type: none"> Check with an electrician to see if you need switchboard upgrades Choose electric cooktop alternatives if you have a pacemaker Portable induction cooktops are cheap and can plug into any wall socket Learn more at <u>Choice</u> or <u>Renew</u>. 	<p>Victorian Government <u>Energy Upgrade program</u> offers discounts for induction cooktops.</p> <p>Borrow a portable induction cooktop from <u>Manningham libraries</u> to try it out.</p>
Electric car or bicycle 	<ul style="list-style-type: none"> Electric cars run on electricity rather than petrol or diesel Plug-in hybrid electric vehicles run on both electricity and petrol. 	<ul style="list-style-type: none"> Electric cars are cheap to run and need minimal maintenance Can be charged on clean renewable energy Non-polluting and quiet to drive and ride Electric and cargo bikes are a great alternative. 	<ul style="list-style-type: none"> Consider an electric bike before investing in a car Use the <u>Electric Vehicle Council Lifecycle Emissions Calculator</u> Find public charging stations on <u>PlugShare</u> Read Choice's <u>Electric Vehicle Guide</u> 	<p>No rebates available.</p>