

Your Go Electric Plan



Have your appliances seen better days or need an upgrade? When it's time to replace them, choose electric.

Join the 14,000+ Whitehorse households going electric. Electric appliances make your home more comfortable, healthier, cheaper to run and better for the environment. Use this plan so you're ready to make the switch. You can do it all at once, or one step at a time.

Step 1 Record the age of your appliances (check receipts or the appliance name plate).

Step 2 Choose your future electric appliances and/or vehicle.

Step 3 Decide when (e.g. year) you plan to replace each item.







Tips:

- Check that you're getting the **best deal** on your electricity plan.
- Improve insulation and seal gaps in your home to reduce heating and cooling bills.
- Prioritise replacing appliances that are more than 10 years old. This can fast track your transition to an all electric home.
- Get a quote to install solar, batteries, hot water heat pumps and/or reverse cycle air-conditioners, and more with Council's **Solar Savers** program.
- Use the State Electricity Commission of Victoria (SEC)'s **Electric Home Planner** to calculate your savings.

Current appliance	Appliance age (years)	Go Electric with	Rating*	Upfront Cost**	When could I replace?
Gas heating		<input type="checkbox"/> Split system/reverse cycle air conditioner	1	\$-\$\$	
		<input type="checkbox"/> Ducted reverse cycle air conditioner	1	\$\$\$	
		<input type="checkbox"/> Heat pump hydronic heating	2	\$\$\$ \$	
		<input type="checkbox"/> Electric heater	3	\$-\$\$\$	
Gas hot water		<input type="checkbox"/> Electric heat pump	1	\$-\$\$\$	
		<input type="checkbox"/> Solar with electric boost	2	\$-\$\$	
		<input type="checkbox"/> Electric storage (with solar and timer)	3	\$-\$\$\$	
Gas cooktop		<input type="checkbox"/> Induction cooktop	1	\$-\$\$	
		<input type="checkbox"/> Electric cooktop	2		
Gas oven		<input type="checkbox"/> Electric oven	1	\$-\$\$\$	
Petrol or diesel car		<input type="checkbox"/> Electric bike	1	\$-\$\$	
		<input type="checkbox"/> Electric car	1	\$\$\$	
Gas swimming pool heating		<input type="checkbox"/> Electric heat pump	1	\$-\$\$\$	
		<input type="checkbox"/> Solar only	2	\$-\$\$\$	

*Rating (1,2,3 where 1 = Best option): Ranking of solution based on quality, efficiency and what's best for the environment.

Key appliances for an all-electric home

Appliance	Description	Benefits	Tips	Programs/rebates
Solar panels and GreenPower 	<ul style="list-style-type: none"> » Solar panels convert sunlight into free electricity for use in your home » Any excess electricity goes back to the electricity grid or used to charge a battery 	<ul style="list-style-type: none"> » Power your home with renewable energy » Solar can make your electric appliances free to run » Solar usually pays for itself in 3-8 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 at the Victorian Energy Compare website 	<ul style="list-style-type: none"> » Council's Solar Savers program » Victorian Government Solar Victoria solar rebates
Solar battery 	Stores excess solar electricity to power your home when the sun is not shining	<ul style="list-style-type: none"> » Store excess solar energy for use during cloudy days/night, reducing reliance on the grid » Less reliance on the grid lowers your electricity bills further 	<ul style="list-style-type: none"> » Read the Victorian Government's Solar Battery Buyers Guide » You can sign up to a virtual power plant and be paid to export your energy 	<ul style="list-style-type: none"> » Victorian Government Solar Victoria solar battery loans
Reverse cycle heating and cooling 	<ul style="list-style-type: none"> » Can be single unit, many units or whole of house (ducted) » Single units are the cheapest to run 	<ul style="list-style-type: none"> » Can heat your home in winter and cool it in summer » In winter, reverse cycle air-conditioning is 3-4 times more efficient than a standard electric heater or a gas space heater 	<ul style="list-style-type: none"> » Clean filters regularly » In winter set thermostat to 18-20°C » In summer set thermostat to 23-25°C » Choose a heat pump with a refrigerant like carbon dioxide that has a lower global warming potential » Set the timer to pre-heat and cool your home to maximise solar energy use 	<ul style="list-style-type: none"> » Council's Solar Savers program » Victorian Government Victorian Energy Upgrade (VEU) has discounts for heating and cooling
Electric heat pump hot water 	<ul style="list-style-type: none"> » Heat is absorbed from the air outside and transferred to the water in the tank 	<ul style="list-style-type: none"> » 3-5 times more efficient than an electric/gas hot water heater 	<ul style="list-style-type: none"> » Choose a heat pump with a refrigerant like carbon dioxide (R744) that has a lower global warming potential » Set the timer to pre-heat and cool your home to maximise solar energy use 	<ul style="list-style-type: none"> » Council's Solar Savers program » Victorian Government Solar Victoria hot water rebate » Victorian Government Victorian Energy Upgrade (VEU) program has discounts for heat pump hot water
Induction cooktop 	<ul style="list-style-type: none"> » Generates heat directly in the pot or pan by using magnets » If a magnet sticks to your cookware then it is compatible. Stainless steel and cast iron work well 	<ul style="list-style-type: none"> » Improved air quality » Fast and efficient » Easy to clean » Cooler kitchen 	<ul style="list-style-type: none"> » Check with an electrician to see if your switchboard needs to be upgraded » Choose electric cooktop alternatives if you have a pacemaker » Portable induction cooktops are cheap, can plug into any wall, and are a great place to start 	<ul style="list-style-type: none"> » Victorian Government Victorian Energy Upgrade (VEU) program has discounts for induction cooktops » Council's Solar Savers program
Electric vehicle or bicycle 	<ul style="list-style-type: none"> » Electric and cargo bikes are a great alternative to a car » 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 bikes are a fun, cheaper and healthier alternative to a car » Electric cars are non-polluting, quiet, cheap to run (especially if charged with solar generated during the day), and need very little maintenance 	<ul style="list-style-type: none"> » Use the Electric Vehicle Council cost calculator » Consider location and charging speeds for home charging. <i>Note: You can charge from a normal powerpoint in your garage</i> » Find public charging stations on PlugShare » Read CHOICE's e-bike guide 	<ul style="list-style-type: none"> » No electric vehicle rebates currently available » Use Council's Easy Ride Routes



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