

The future is here.
Electrify everything!



Did you know?

Your household could save up to **\$3,000** per year by replacing or upgrading household appliances to electric, installing rooftop solar and purchasing an electric bike or vehicle.

REPOWER
SHOALHAVEN
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Choosing an all-electric home helps the community towards a safe and clean energy future.

Make the switch to an all-electric home and lifestyle today! Not sure where to begin? Follow our three-step guide to get you started.

Make a plan to go fully electric

Step 1: Jot down the age of your gas appliances and vehicle (check receipts or the appliance nameplate).

Step 2: Choose your desired order of replacing your appliances and vehicle.

Some things you might consider:

Replacing your oldest appliance first, this will typically be the least efficient.

Starting with the bigger energy users, that typically provides the biggest 'bang for your buck'.

Or upgrading your gas cooktop/oven to improve your indoor air quality.

Step 3: Choose your future electric appliance and vehicle and power them with Solar!

Current appliance	Age of appliance (yrs)	Desired Order	Go electric with a:	When could I replace?
Gas space-heating	<input type="checkbox"/> <5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> >10 years		<input type="checkbox"/> Air conditioning* <input type="checkbox"/> Heat pump * <input type="checkbox"/> Electric heater	
Gas hot water	<input type="checkbox"/> <5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> >10 years		<input type="checkbox"/> Electric heat pump* <input type="checkbox"/> Solar electric boost* <input type="checkbox"/> Electric storage	
Gas cooktop/oven	<input type="checkbox"/> <5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> >10 years		<input type="checkbox"/> Induction stove* <input type="checkbox"/> Electric stove	
Rooftop Solar	<input type="checkbox"/> <5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> >10 years		<input type="checkbox"/> Electric oven	
Gas swimming-pool heating	<input type="checkbox"/> <5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> >10 years		<input type="checkbox"/> Solar only* <input type="checkbox"/> Electric heat pump	
Petrol or diesel car	<input type="checkbox"/> <5 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> >10 years		<input type="checkbox"/> Electric bike <input type="checkbox"/> Electric vehicle	

*Most efficient

Add Solar, to help lower your energy bills and power your electric appliances!

Want more details?

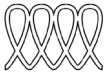

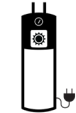




Who to talk to locally about replacing appliances or installing solar: There are a range of local suppliers and installers including **Betta Electrical, Simmark, Shoalhaven Solar, Shoalhaven Hot Water & Elements** and **Jervis Bay Air Conditioning**.

Reduce your energy bill by making your home more energy efficient, check out the helpful advice on our website, <https://www.repower.net.au>.

Renting and not sure what you can do? Check out these links for tips and tricks. <https://www.energy.nsw.gov.au/households/ways-get-started/advice-energy-efficiency-renters>; <https://www.solar.vic.gov.au/information-renters>

Key appliances to consider for an all-electric home

Australian homes and businesses can save significant running costs and reduce emissions at the same time by converting household appliances (cooktops, air conditioners, hot water systems, transport) to electricity and powering from renewable energy. Visit the home appliances savings calculator to find out how much you can save (<https://www.climatecouncil.org.au/resources/home-appliance-savings-calculator/>).

Appliance	Description	Benefits	Tips	Available rebates
Induction cooktop 	<ul style="list-style-type: none"> • Direct heat using magnets. • Requires ferrous cookware e.g. stainless steel or cast iron. If a magnet sticks to your cookware, then it is compatible. 	<ul style="list-style-type: none"> • Fast and efficient. • Improved air quality. • Cooler kitchen. • Easy to clean. 	<ul style="list-style-type: none"> • Needs a separate electrical circuit for installation. • Ensure you have the right cookware. • Adjust your cooking for the more instant and even heat. 	<ul style="list-style-type: none"> • No rebates currently available
Reverse-cycle air conditioner 	<ul style="list-style-type: none"> • In Summer – the indoor space is cooled by moving heat from the indoor air to the compressor outside. • In Winter – the indoor space is heated by the compressor extracting heat from the outside air and pumping it to the indoor unit. 	<ul style="list-style-type: none"> • 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"> • In winter, set thermostat to operate between 18-20 degrees and in summer, between 23-25 degrees. • Close doors and heat/cool one space at a time. • Clean filters every six months. 	<ul style="list-style-type: none"> • No rebates currently available.
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"> • Consider installing a well-known brand. • Choose a heat pump with a 'natural refrigerant' like carbon dioxide that will result in lower greenhouse emissions. 	<ul style="list-style-type: none"> • Federal Government's Small-scale Technology Certificates (STCs) (rebate administered by supplier) • NSW Government Energy Saving Certificate rebate
Solar (electric boost) hot water 	<ul style="list-style-type: none"> • Water is directly heated by solar collectors on the roof and then stored for later use in an insulated tank. 	<ul style="list-style-type: none"> • In Sydney, up to 70% of your hot water can be powered by the sun. 	<ul style="list-style-type: none"> • Mount the solar collectors on a NE to NW facing roof. • Tilt the solar collectors to optimize solar gain in Winter. 	<ul style="list-style-type: none"> • Federal Government's STCs (rebate administered by supplier)
Electric bicycle 	<ul style="list-style-type: none"> • An electric bike, or ebike, is equipped with an electric motor to assist you when you're pedalling. The motor will get its power from a rechargeable battery mounted on the bike. 	<ul style="list-style-type: none"> • By assisting you to pedal, an ebike can significantly increase your cycling range, help you to ride up hills, and face headwinds. 	<ul style="list-style-type: none"> • Charge your ebike from your home PV solar system to lower charging costs further. 	<ul style="list-style-type: none"> • No rebates currently available.
Rooftop Solar 	<ul style="list-style-type: none"> • Rooftop solar power is a renewable energy source generated by photovoltaic (PV) panels that are mounted to the roof. • They harness the energy from the sun and converts it into electricity. 	<ul style="list-style-type: none"> • Ability to generate your own energy for free! • Solar power is a clean, renewable energy source. • Versatile, able to be installed on most roofs. 	<ul style="list-style-type: none"> • Mount your solar panels on a NE to NW facing roof, if possible. • Use your free solar generation by operating appliances when the sun is shining. • Pre heat or cool your home in the afternoon before the sun goes down. 	<ul style="list-style-type: none"> • Federal Government's Small-scale Technology Certificates (STCs) (rebate administered by supplier)
Electric car 	<ul style="list-style-type: none"> • A vehicle that can be powered by an electric motor that draws electricity from a battery and is capable of being charged from an external source. 	<ul style="list-style-type: none"> • Fuel costs are on average 70% less than the cost of a similar petrol car. • Very low operational costs. • Very quiet and zero tailpipe emissions 	<ul style="list-style-type: none"> • Charge from your home PV solar system or a free charging station to lower charging costs further. • Some EVs can also act as a battery, providing energy storage for other appliances or your home (Vehicle to Grid/House technology). 	<ul style="list-style-type: none"> • NSW rebates for electric vehicles – stamp duty exemption and \$3000 rebate. • Federal – Average savings of \$5,000/year for novated leases with Fringe Benefits Tax (FBT) exemptions.

