

Go All Electric

PLANNER



Electrify Everything
Western Australia



- Step 1** Understand your total energy bill (electricity, gas, petrol/diesel)
- Step 2** Record approximate age of appliances and any petrol/ diesel cars
- Step 3** Research, get quotes and choose your electric appliances and/or electric transport
- Step 4** Prioritise the replacement order of appliances and/or vehicles

Appliance	Approx Age (years)	Electric Option	Replacement Year & Budget
Room heating/cooling		<input type="radio"/> Reverse cycle air-con (ducted) <input type="radio"/> Reverse cycle air-con (individual room units) <input type="radio"/> Heat pump hydronic heating (under floor – rare in WA) <input type="radio"/> Electric resistance heating	
Water heating		<input type="radio"/> Heat pump - all in one unit <input type="radio"/> Heat pump - split unit <input type="radio"/> Ground mounted <input type="radio"/> Roof mounted	
Oven		<input type="radio"/> Electric Oven <input type="radio"/> Air Fryer	
Cooktop		<input type="radio"/> Induction*	
Transport		<input type="radio"/> Electric bike <input type="radio"/> Electric scooter <input type="radio"/> Electric vehicle <input type="radio"/> Public transport	

*coil and ceramic are options but are dated technologies

USEFUL RESOURCES



Climate Council Calculator
to calculate your savings



Solar Quotes or Solar Choice for guidance and quotes on Solar, Batteries, EV Chargers, Heat Pumps



Renew's home electrification toolkit



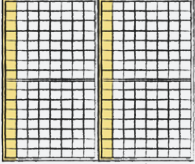
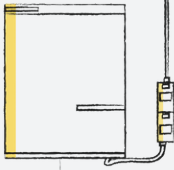
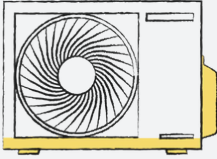
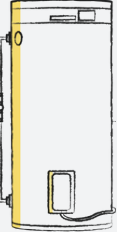
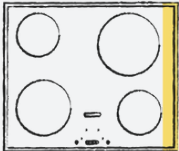
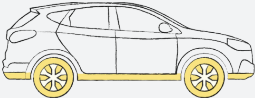
Australian EV Assn EV Information and the **Electric Vehicle Council of Australia** EV Consumer Hub



Download this guide from **Electrify Everything WA** or the **Sustainable Energy Now** websites



Quick Home Electric Appliance Guide

Appliance	Description	Benefits	Tips
SOLAR PANELS 	Solar panels convert sunlight into electricity	<ul style="list-style-type: none"> Solar usually pays for itself in 3-5 years 	<ul style="list-style-type: none"> Maximize Federal STC rebate, install PV sooner rather than later Run your electric appliances during the day to maximise savings Check your electricity plan to make sure you're getting the best deal Consider a home battery to maximise savings
BATTERY STORAGE 	Stores your excess solar for later use or export	<ul style="list-style-type: none"> Extends the range of solar Lowers energy costs State and Federal rebates 	<ul style="list-style-type: none"> Select the best electricity plan and ensure battery charging scheme is compatible Synergy Midday Saver allows mains battery charging for discharge when tariffs are higher
ROOM HEATING/COOLING 	Reverse cycle air conditioning: single unit*, multiroom units or ducted *cheapest to run	<ul style="list-style-type: none"> Heat in winter and cool in summer 3-4 times more efficient than electric heater or a gas heater 	<ul style="list-style-type: none"> Clean filters regularly Winter set thermostat to 18-20°C Summer set thermostat 23-25°C
WATER HEATING 	Heat pump – heat is absorbed from the outside air and transferred to the water in the insulated tank	<ul style="list-style-type: none"> 3-5 times more efficient than an electric/gas hot water heater Operation is similar to a reverse cycle aircon unit 	<ul style="list-style-type: none"> Plan replacement and power outlet if/when current water heater dies Typical tank sizes: 180L for 2-3 people and 270L for 3-6+ people – bigger is best Use WiFi remote control to set-up timers to use your solar energy and meet hot water demand
INDUCTION COOKTOP 	Electromagnetic fields heats cookware directly	<ul style="list-style-type: none"> Very fast, energy efficient, safe, air quality - healthier alternative to electric or gas stoves Easy to clean 	<ul style="list-style-type: none"> Check for switchboard upgrades Check suitability if you have a pacemaker Portable induction cooktops are cheap, can plug into a general power outlet, and a great place to start
TRANSPORT 	Huge range of EVs, E-bikes, E-scooters	<ul style="list-style-type: none"> Largest home energy consumer Big savings in annual running costs 	<ul style="list-style-type: none"> E-bikes or E-scooters make a great alternative to a second car Take advantage of off-peak and EV specific tariffs for maximum savings Install a smart home EV charger that optimises rooftop solar for charging

FUN FACT!

Heat pumps and reverse cycle air conditioners are the same technology