

ELECTRIFICATION PLANNING GUIDE



Community Smart Energy Talks
Organised by Umina Community Group



IN ASSOCIATION WITH

PENINSULA ENVIRONMENT GROUP



PATONGA PROGRESS ASSOCIATION



VAN HOLLAND ENERGY
ASSESSORS



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The information contained in this document is intended to be general in nature, does not take into account individual circumstances and is not personal advice.


APPLIANCE CHECKLIST

Current Appliance	Age of current appliance?	When could I replace it? (Year/Month)	Electric Option/Alternative (Good, Better, Best)	Notes
Gas heating			<ul style="list-style-type: none"> ○ Split system reverse cycle air conditioning (Best) \$-\$\$ ○ Ducted reverse cycle air conditioning (Better) \$\$\$ ○ Electric heater (Good) \$ 	
Gas hot water			<ul style="list-style-type: none"> ○ Electric heat pump (Best) \$-\$\$\$ ○ Electric storage with solar & timer (Better) \$ 	
Gas cook top			<ul style="list-style-type: none"> ○ Induction stove (Best) \$-\$\$\$ ○ Electric stove (Better) \$-\$\$ 	
Gas oven			<ul style="list-style-type: none"> ○ Electric oven \$-\$\$\$ 	
Petrol or Diesel car			<ul style="list-style-type: none"> ○ Electric Vehicle 	

ALTERNATIVES GUIDE

Appliance	Description	Benefits	Tips and resources	Government rebates/assistance
Solar Panels or Community Energy Trading 	<ul style="list-style-type: none"> • Solar panels convert sunlight into electricity for use in your home, or • Trading with others in the community to buy and/or sell energy 	<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 3-5 years ✓ Trading as a buyer for those that can't install solar provides access to solar benefits 	<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 ✓ For more information on local community trading visit Central Coast Solar Share 	Solar Panels-Available
Electric Heating 	<ul style="list-style-type: none"> • Can be single unit, many units or whole of house (ducted) • Multiple head systems, off a single motor has efficient usage and allows individual room control • 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 ✓ Use the dehumidifier setting ✓ Choose a natural refrigerant such as R32 ✓ For more information visit Renew 	Available

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<p>Electric heat pump hot water</p> 	<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 natural refrigerant ✓ Look for systems with control options (such as a timer so you can use your solar energy) ✓ For more information visit Renew 	<p>Available</p>
<p>Induction cooking</p> 	<ul style="list-style-type: none"> If a magnet sticks to your cookware then it should be compatible. Stainless steel and cast iron work well 	<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, can plug into any wall, and are a great place to start ✓ For more information visit Choice or Renew 	<p>Not available</p>

Appliance	Description	Benefits	Tips and resources	Government rebates/assistance
<p data-bbox="203 268 360 296">Electric Car</p> 	<ul style="list-style-type: none"> <li data-bbox="591 274 927 370">• Electric cars run on electricity rather than petrol or diesel <li data-bbox="591 376 927 472">• Plug-in hybrid electric vehicles run on both electricity and petrol <li data-bbox="591 478 837 507">• Hybrid vehicles 	<ul style="list-style-type: none"> <li data-bbox="1016 274 1379 370">✓ Electric cars are cheap to run and need very little maintenance <li data-bbox="1016 376 1379 504">✓ Can be charged on clean renewable energy, taking advantage of your rooftop solar <li data-bbox="1016 510 1379 568">✓ Non-polluting and quiet to drive 	<ul style="list-style-type: none"> <li data-bbox="1424 274 1816 338">✓ Use the NRMA Electric Vehicle cost calculator <li data-bbox="1424 344 1816 440">✓ Consider location and charging speeds for home charging <li data-bbox="1424 446 1816 542">✓ Find public charging stations at Transport for NSW <li data-bbox="1424 549 1816 603">✓ For more information visit EV Central 	<p data-bbox="1850 274 1973 296">Available</p>