

## Build and Renovation Checklist

To make a new home a more cost efficient and comfortable, consider including the following features when you next build or renovate. You'll get immediate benefits, and it will help to improve the value of the home. This is a guide only, for specific advice speak with a sustainability advisor.

What	Must do During Building	Cheaper during building but can do later	Anytime
Orientate main living areas to North side	X		
Plan north facing roof line for future solar appliances	X		
Ensure appropriate eaves all-round the home	X		
Insulation in ceiling, walls and under floor	X	X	
Keep all wet areas together to minimise plumbing costs	X		
Lag all hot water pipes	X	X	
Use recycled/renewable materials if you can	X	X	X
Include rainwater tanks, plumb into toilets and garden (depends on the home what stage best)	X	X	X
Double glaze windows (at least to main living areas)		X	
Install adjustable external shading to north, west and east facing windows		X	X
Install low energy lighting (LED) avoid down lights.		X	
Ensure self-closing draft stoppers on exhaust fans		X	X
Use light colours outside of the house on walls		X	X
Install a heat pump hot water system		X	X
Install 5*+ energy rated appliances (e.g. fridge)		X	X
Install ceiling fans in bedrooms & living areas		X	X
Install water efficient dual flush toilets		X	
Install water efficient shower heads (3*) & 5* tap ware		X	X
Install water efficient tap ware (6* or higher elsewhere but keep bath and laundry taps full flow.		X	X
Heating/cooling, avoid ducted systems, separate (or multi head) units (6*+ rating) are more efficient.		X	X
Use heavy backed close-fitting curtains, roman blinds with pelmets, or cellular blinds on windows			X
Use solar garden lighting and security lights			X
Electric vehicle charging capability			X
<b>If budget allows</b>			
Select renewable energy from your energy provider			X
Install Renewable energy (solar power, batteries)		X	X
Use deciduous trees to protect/cool in summer			X
Plant fruit trees and herbs			X
Set up a vegetable patch			X
Set up a compost heap and/or worm farm			X
Plant local drought tolerant plants			X

If you would like further assistance with your project or to discuss what would be best in your situation, contact us and organize an energy efficiency and/or sustainability consultation. It's a few hours well spent that could save you hours of time and significant money in the future.