



ENERGY

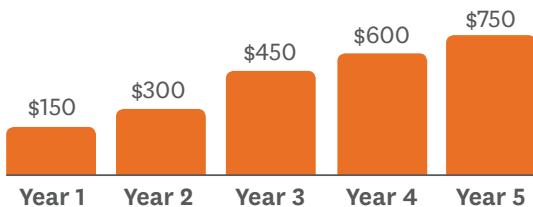
Orientation and solar

North facing living areas increase energy efficiency, and ultimately your comfort.

FACT:

To achieve a high level of unobstructed winter sun, it is essential to choose the correct siting and orientation of your house.

Yearly savings on electricity



A poorly orientated 5-star home in NSW requires an approximate 26 per cent increase in heating and cooling energy load compared to a well orientated home.

Find out more online:

Visit stockland.com.au/energy



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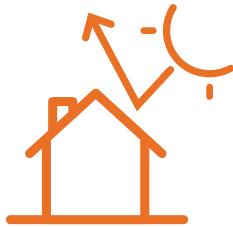
Shading

External shading devices reduce heat gain through windows, helping to keep your home cool in summer.

FACT:

Eaves provide better protection from heat than internal window coverings.

Save up to 350kg
of CO₂ per year.



External shading devices can reduce heat gain by 70-85 per cent. Internal coverings like blinds only reduce heat gain by 15 per cent, but offer glare control.

Find out more online:
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Insulation

Increasing insulation in the slab, walls, roof and floor is the most effective way to reduce your energy use and provides significant savings on household bills.

FACT:

Multi-layered insulation prevents heat transfer and minimises expensive heating and cooling costs.

Save up to 400kg
of CO₂ per year.



Talk to your builder about waffle pods including slab edge insulation and protection to reduce heat loss.

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Double glazing

Double glazing minimises heat transfer – keeping your house warmer in winter and cooler in summer.

FACT:

Double glazing is an investment that will result in ongoing lower energy bills, improved comfort, and noise insulation.

Yearly saving
of up to \$500.

Save up to 2,000kg
of CO₂ per year
(average family).



Up to 40 per cent of energy used to heat or cool a home can be lost through standard windows fitted with single glazed glass, and poorly sealed frames.

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Renewable energy

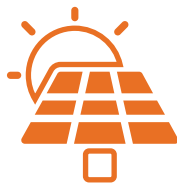
Using renewable energy such as solar is great for the environment and your household budget!

FACT:

Solar panels require an upfront cost, but once installed, require little maintenance and the electricity they generate is free and clean.

You can also purchase GreenPower from your electricity retailer.

Installing 5kW of solar panels to your roof can save up to \$1,900, and up to 6,800kg of CO₂ per year.



Solar panels don't make a noise, have no moving parts and are usually installed out of the way on the roof. Speak to your builder regarding solar options and government rebates available.



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WATER

Plant indigenous trees and shrubs

Choosing the right indigenous trees and shrubs ensures they will require less water and attention once established, whilst offering natural shading. This also increases the biodiversity of your neighbourhood.

FACT:

Many indigenous plants are drought tolerant and will not require much water.



Ensure you plant trees away from your house as some trees can grow up to 50 metres tall.

Find out more online:

Visit stockland.com.au/water



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WATER

Rainwater collection

Installing a rainwater tank to collect water from your roof reduces the need for tap water and helps protect rivers and streams.

FACT:

Rainwater can be used for toilet flushing, clothes washing and gardening.

Up to 60,000 litres
annual water saving
equating to \$135¹.



Rainwater tanks should not be used as an alternative drinking water source.

Find out more online:

Visit stockland.com.au/water



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WATER

Rainwater collection (continued)

1. Savings based on Tankulator results.

61,358 litres consumed on site.

kL	\$/kL	Total
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61	2.276	\$138.84 (rounded to \$135)
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WATER

Save water

Aim to keep your shower to under four minutes to minimise water heating and usage costs.

Installing an efficient shower head can save you even more water!

FACTS:

A four-minute shower can help you cut water and energy use in the bathroom by 40 per cent.

Showers and baths account for about 30 per cent of household water use.

Shorter showers can save 52,000 to 81,000 litres of water annually. This represents a saving of \$118 - \$184¹.

Installing efficient shower heads can save up to 79,000 litres of water annually. This represents a saving of up to \$179².



A shower timer will help you stay on track.



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WATER

Save water (continued)

1. Assumes a 4-person household taking one shower per day. Lower value savings assume water efficient showerhead (3-star). Upper value savings assume water inefficient showerhead.
2. Assumes replacing old showerhead (18L/minute) with a 3-star option (9L/minute). Assumes use in home occupied by 4 people, with each person taking a 6 minute shower, with gas hot water heating.

Find out more online:

Visit stockland.com.au/water

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WATER

5-star dishwasher

Save money, energy and water by investing in a 5-star dishwasher.

FACTS:

A fully loaded, energy efficient dishwasher uses less water and energy than hand washing in the sink. Scraping food waste from plates, rather than rinsing is another way to save water.

Annual saving of 5,986 litres of water and \$23 in energy and water costs¹.



Find out more online:

Visit stockland.com.au/water



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WATER

5-star dishwasher (continued)

Assumes 3 star WELS dishwasher (13.6L) for 365 days per year compared to filling a sink with 15L for washing and another with 15L for rinsing. Assumes dishwasher has hot water tap connection and gas hot water.

1. Assumes water saving of 5,986 litres, energy saving of \$9 and water saving of \$14.

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WATER

Water saving products

Installing efficient taps and aerators will control the amount of water you use.

FACT:

Aerators are inexpensive, easy to install and can reduce water flow by 50 per cent.



Avoid wasting cold water while you wait for hot water.

A water diverter can be installed so cold water diverts to your water tank while you wait.

Talk to your builder about water recapture options such as diverters to a rain water tank.

Find out more online:

Visit stockland.com.au/water



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WASTE

Recycle right!

Reduce waste going to landfill by recycling paper, cardboard, bottles, batteries, electrical goods and scrap metal.

Reduce - Reuse - Recycle

FACT:

Save up to 800kg of CO₂ per year (average family).



Assumes savings from a 3 person household over a year recycling most of their paper, cardboard, plastic, glass and metals (steel/aluminium).

Find out more online:

Visit stockland.com.au/waste



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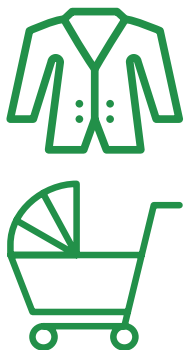
WASTE

Recycle household goods

Divert goods being sent to landfill by recycling unwanted goods and buying secondhand items. You will be helping the environment and saving money.

FACT:

Recycling items with your community and selling items online or advertising them in local community group forums, benefits the environment and community.



Remember – one person’s trash is another person’s treasure.

Find out more online:

Visit stockland.com.au/waste



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WASTE

Composting

Composting at home will save money on soil and fertiliser, while reducing waste going to landfill.

FACT:

A compost bin or worm farm are the most popular composting options for domestic use.

Save 200 to 400kg of CO₂ per year (average family).



Composting offers a great educational activity for families. Compost bin prices start at \$30 (expect to pay more for an advanced system).

Find out more online:

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WASTE

Install a grey water system

Redirect water from the washing machine, showers or bath to a holding tank for use on the garden.

FACT:

There are simple and complex systems, but they all involve reusing water that would otherwise be lost.

Saving up to 28,000 litres of water per year, equates to \$63.



Remember – never drink grey water.

Find out more online:

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WELLBEING

Sustainable gardening

Vertical gardening is efficient, compact and great for making the most of available sunlight.

FACT:

Vertical gardening allows you to grow just about any kind of climbing plant with success.

Creating a vertical garden can save 160kg of CO₂ per year.



Tomatoes, peas, beans, cucumbers, squash, corn, and some varieties of melons can be grown in a vertical garden.

Find out more online:

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WELLBEING

Walking and cycling

Walking and cycling are inexpensive and are great ways to add exercise to your routine.

FACT:

Children who participate in regular physical activity are typically more productive in the classroom.

Using a bike instead of a car will save you around \$4,000 per year¹.



Using a bicycle as your main form of transport will lower your travel costs and reduce your impact on the environment.

Find out more online:

Visit stockland.com.au/wellbeing



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WELLBEING

Walking and cycling (continued)

1. Assumes cycling instead of car driving for a 30km round trip on 200 days of the year.

Cost of car commute for 1 yr = \$4,200, less \$200 for cost of bike maintenance = \$4,000. Car commute cost is \$21 per day, which includes car parking, fuel and maintenance. Assumes car travel in average family car with one occupant. Bike maintenance \$200 per year.

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WELLBEING

Meet your neighbours

People who are more connected to their communities are typically likely to be physically and mentally healthier.

FACT:

Friendly, connected neighbourhoods are safer, with less reported crime.

Walking and riding are great ways to explore your neighbourhood.



See what's on in your local community and enjoy activities and opportunities to meet your neighbours.

Find out more online:

Visit stockland.com.au/wellbeing



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WELLBEING

Use chemical-free products

Choosing products that do not contain harsh chemicals will safeguard the health of your family.

FACT:

Many household products emit chemicals that have negative effects on your health and the environment.

Look for biodegradable cleaning products, soaps and dishwashing detergents.



Most paints and synthetic carpets release Volatile Organic Compounds, which can cause headaches and nausea.

Discuss product options with your builder.

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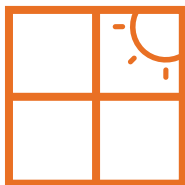
Natural daylight and ventilation

Cross ventilation improves natural indoor air quality and comfort.

FACT:

Natural light reduces the need for heating and lighting which improves comfort and wellbeing.

Less artificial lighting provides energy savings.



Discuss the orientation and floorplan of your home with your builder.

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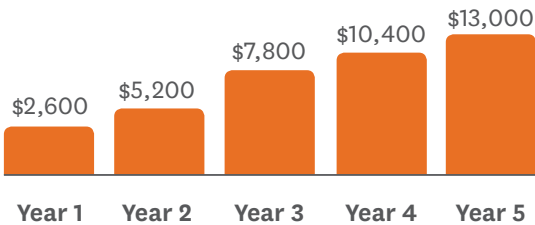
Use public transport

Using public transport instead of a car can save you money, improve your health and help the environment.

FACT:

When you use trains, buses or trams, you're helping to shape the future of sustainable transport in Australia and reducing greenhouse gas emissions.

Save up to \$2,600¹ per year by taking the bus, tram or train to work instead of using a car. Save up to 2,400kg of CO₂ per year.



If you can't take public transport, why don't you carpool with a family member, neighbour, work colleague or friend?



ENERGY

Use public transport (continued)

1. Assumes using public transport instead of car for a 30km commute each way. Public transport travel assumes a daily \$9.64 ticket cost. Public transport scenario assumes commuter still has a car and leaves it at home. Car commute cost is \$21 per day, which includes car parking, fuel and maintenance. Assumes car travel in average family car with one occupant.

Find out more online:

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Efficient heating and cooling

An energy efficient reverse cycle split heating and cooling system can save you energy and money and help reduce greenhouse gas emissions.

FACT:

Zoned heating and cooling systems ensure you only use energy where required.

Save up to \$800 yearly on cooling costs by installing an energy efficient cooling system.



A well sealed, insulated and shaded house will help reduce the amount of air conditioning required.

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ENERGY

Draught-proofing

Draught-proof gaps, windows, doors and vents to save money on energy costs.

FACTS:

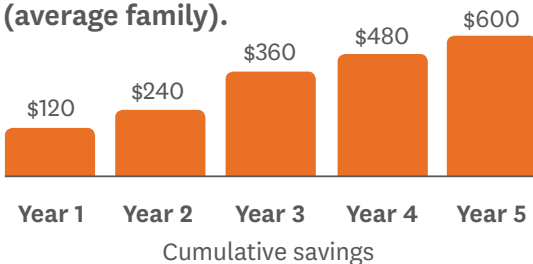
Even if your home is well-insulated, heated or cooled air can leak in and out through gaps and cracks.



Draught-proofing your home is one of the easiest and cheapest ways to lower energy costs.

Yearly saving on energy up to \$120.

Save up to 240kg of CO₂ per year (average family).





Find out more online:

Visit [**stockland.com.au/energy**](https://stockland.com.au/energy)

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ENERGY

Efficient lighting

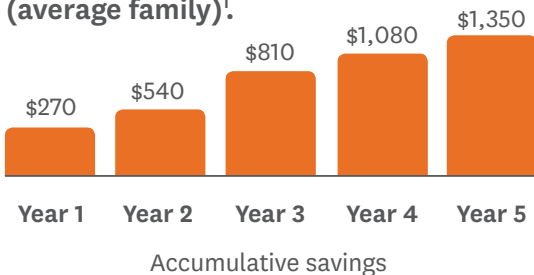
Choosing energy efficient lights can reduce energy consumption from lighting by up to 80 per cent.

FACT:

Energy efficient lights include Light Emitting Diodes (LEDs) and Compact Fluorescent Lights (CFLs).

Yearly saving on electricity up to \$270.

Save up to 900kg of CO₂ per year (average family)¹.



There are many different types of efficient lighting. Check the lux (intensity of light) and lumens (amount of light) and dimmable options to ensure you get the right lighting for your home.



ENERGY

Efficient lighting (continued)

1. Assumes 20/50W dichroic with magnetic transformer (~55W) in high use household areas are replaced with 10W LEDs and used for 3 hours / day.

Find out more online:

Visit stockland.com.au/energy

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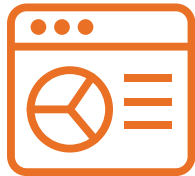
ENERGY

Smart monitoring system

A smart monitoring system allows you to see your energy usage which helps to identify ways to decrease energy use.

FACT:

Monitoring energy use and power generation helps to understand where energy is being used in the home.



Talk to your builder about options for energy monitoring and management, and installation of off peak electricity metering.

Find out more online:

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Install a solar hot water system

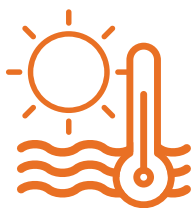
Using the sun's energy to heat water can reduce your household hot water bills by around 60% each year.

FACT:

Solar hot water systems also reduce consumption of fossil fuels otherwise used to heat water and thus reduce greenhouse gas emissions.

Save up to \$800 per year on energy¹.

Save up to 2,400kg of CO₂ per year (average family).



Solar hot water systems can be either electric or gas boosted if top-up is required at night time.

Find out more online:

Visit stockland.com.au/energy



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Install a solar hot water system (continued)

1. Saving by upgrading from electric to solar with natural gas boost = \$800.

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