

The EcoView

11 MacDougall Street
Corindi Beach NSW 2456



This 7 year old beachside home is a unique combination of modern architect design, professional trade work and owner input. The building focussed on using recycled, low toxicity and locally sourced materials with a small building footprint allowing for maximum garden space.

This is a great example of a sustainable home and was featured as part of Sustainable House Day in 2010



Structure, Heating and Cooling

Approximately 35% of energy bills are attributable to heating and cooling. The more efficient the home, the more money saved.

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|----------------------|--|
| Building Orientation | <ul style="list-style-type: none">• North facing home, oriented to capture cool sea breezes during summer months |
| Building Structure | <ul style="list-style-type: none">• Passive solar design (no active heating or cooling needed)• Built from mainly recycled, low toxicity and locally sourced materials• Tongue and groove black butt hardwood flooring• Concrete block rendered external walls on the south side• Recycled timber posts and beams north side• Bamboo feature ceilings• Low VOC paints and sealers used throughout• Wool blend wall and ceiling insulation to R2 level• Draught sealing on doors and windows• Eaves all around the home to protect from summer sun• Deep veranda to east and west side of house |
| Passive Heating | <ul style="list-style-type: none">• Open plan living, sun into windows with good natural flow of heat to upper level. |
| Active Heating | <ul style="list-style-type: none">• None, not required |
| Passive Cooling | <ul style="list-style-type: none">• Eaves and verandas helping protect from summer sun• Natural ventilation cooling and summer breezes daily |
| Active Cooling | <ul style="list-style-type: none">• None, not required |
| Other – Eco Friendly | <ul style="list-style-type: none">• Solid stainless steel plating termite barrier around the house |

The EcoView (continued)



Energy Review

Renewable energy sources include solar, wind, hydro-electricity, geothermal and biomass. If you can, choose Green Power from your supplier, it sends a message to governments and business that renewable energy is important.

Renewable Energy

Hot Water
Lighting

Appliances
Clothes drying

- Space available on north facing roof, wiring in place for Solar PV for future easy connection.
- Close coupled 300L solar hot water (electric booster)
- Excellent natural lighting through six panel glass doors onto the back deck, large windows and large high vertical fixed sky light windows
- Mainly CFL (efficient Compact Fluro Lighting)
- Energy efficient appliances throughout including gas stove
- Banisters internally and externally used for clothes drying



Water Review

Australia is the driest continent in the world (excluding Antarctica) but we use more water per capita than any other country. The items below can help to minimise our impact.

Showers

Taps

Toilets

Water Tanks

Grey Water

- Adjustable flow
- Reconditioned claw foot bath
- Water efficient tap ware
- Dual flush toilets
- 10,000L rain water tank. Dual reticulated water, Rain water supplies the whole house and is switchable to direct mains or garden. Separate mains water tap in kitchen.
- None due to current council restrictions



Gardens Review

Having edible plants in the garden saves you money and gives you fresh food. Recycling organic waste saves money, gives you free fertilizer and reduces landfill.

Garden beds

Edible plants

Organic waste
Other

- Designed and managed using permaculture principles
- Well maintained and mulched
- Native plants suitable for the area
- Organic fruit trees including various citrus, mulberry, custard apple, guava, bananas, grape vine, passion fruit & others
- Vegetable and herb garden self-seeding
- 3 x compost bays in use
- Frog Pond
- Chook pen and chook house
- Medicinal plants including wormwood and aloe vera.

The EcoView (continued)



General Overview

If you do things locally you'll save money on transport, minimise pollution and feel better. Walking or riding a bike saves even more is great for your health. Community living and wide open spaces are good for the soul.

What's in walking or cycling distance?

- 150m to the beach
- Extensive wetland within 200m with abundant bird wildlife
- Corindi Village has bike paths around the village and an Aboriginal Cultural and Conference Centre with 'bush tucker' café
- Local shops & post office approx. 800m
- Tavern, village centre and schools within 2km
- Woolgoolga town centre 10km with medical services, supermarkets and schools.
- Hospital Coffs harbour – 30 KM

Other Comments:

This home has been designed and built to be cost effective and environmentally friendly. It has been opened to the public as a live demonstration model for sustainable housing during Sustainable House Day 2010 and was an inspiration to those who visited.

Produced by Danielle King in conjunction with the owners, HSA listed with Sustainability Victoria, ABSA member no. HO55615. Disclaimer: This report states what was at this property on 8th August, 2011 and does not take into account any changes that may have occurred after this time.