

ECO HOME BUS TOUR 2022

SUSTAINABILITY ON COBB

About Sustainability on Cobb

Melissa and Carl

Our house is designed to take advantage of the views to the coast on the west whilst still designing to passive solar principles. The main living area on the upper floor and activity face north, allowing for plenty of winter sun to come in and warm the house in winter.

Window locations maximise views and also promote cross flow ventilation in summer. Living close to the coast the cooling breeze of the Freo Doctor is used as oppose to mechanical heating and cooling. Designed using insulated reverse brick veneer the house stays cool in summer and warm in winter.

We have an external staircase from the balcony to the backyard for ease of access without having to walk through the ground floor 'private' spaces when accessing the pool area.



-  4 x BED & LOFT
-  2 x BATHROOM
-  1 x OUTDOOR SHOWER
-  2 x CAR GARAGE & WORKSHOP



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SUSTAINABILITY FEATURES



Grid connected



ENERGY EFFICIENCY

- Heat pump HWU
- Energy efficient lighting
- Energy efficient appliances
- Draught proofing
- LED Lights throughout
- Natural daylight



INSULATION

- Anticon under roof
- R4.0 Ceiling batts
- Combination of R2.0 batts and insulation to all timber framed walls
- Insulated garage door



PASSIVE HEATING/COOLING

Passive solar designed home including

- Cross flow ventilation
- Thermal mass
- External shading
- Pelmet with curtains

ACTIVE HEATING/COOLING

Mechanical heating and cooling systems

- Ceiling fans



WATER EFFICIENCY

- Rainwater tank
- Low flow shower heads and tapware



LANDSCAPING

- Bee friendly
- Free range chickens with chook house
- Composting
- Edible plants and trees
- Water wise garden

HEALTHY HOME

- Overhead cupboards to ceiling to reduce dust
- Cross flow ventilation
- Indoor plants for air filtration
- Natural light and ventilation



AGING IN PLACE/LIVABLE HOME

- 870 Wide doors throughout
- Hobless shower recess
- Lever handles to doors
- Showerhead on rail
- Space around toilets for mobility aids
- Tapware accessible outside shower recess
- Wide hallways
- Flush threshold to external areas



SUSTAINABILITY FEATURES



Visit the virtual house tour

Griff interviewed Melissa & Carl for SHD 2021, use your mobile phone camera to see the YouTube video.



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