

# ECO HOME BUS TOUR 2022

## ECO AWARE HOME

### WHITE GUM VALLEY



#### About the Eco Aware Home White Gum Valley


Joanne and Phillip

The initial brief was to build a new, standalone, single story passive solar home. The client found functionality and unwasted space to be important.

The home has been designed to maximise north facing location taking advantage of winter sun as much as possible. The design needed to reduce the reliance on mechanical heating and cooling, be comfortable year round and be low maintenance.

Built using Insulated double brick, high levels of insulation and cross ventilation with internal thermal mass and strategically placed openings to ensure an exceptional level of performance.



 3 x BED

 2 x BATHROOM

 2 x CAR GARAGE

 6 kW Grid connected



**SOLAR DWELLINGS**  
SMARTER SUSTAINABLE HOMES

**renew.**  
Leading in sustainability

# SUSTAINABILITY FEATURES



## ENERGY EFFICIENCY

- Heat pump hot water & natural gas hot water systems
- Energy efficient lighting
- Energy efficient appliances
- Draught proofing
- LED Lights throughout
- Natural daylight



## LANDSCAPING

- Composting
- Edible plants and trees
- Frog friendly
- Local indigenous plants



## RECYCLED MATERIALS

- Recycled timber floorboards repurposed in garden

## WASTE REDUCTION

- Composting of food scraps
- Reuse and recycle where possible
- Waste recycled and reduced during construction

## HEALTHY HOME

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



## PASSIVE HEATING/COOLING

Passive solar designed home including

- Cross flow ventilation
- Thermal mass
- External shading
- Curtains with pelmets
- Blinds
- Deciduous planting

## ACTIVE HEATING/COOLING

Mechanical heating and cooling systems

- Ceiling fans



## AGING IN PLACE/LIVABLE HOME

- 870 Wide doors throughout
- Hobless shower recess
- Lever handles to doors
- Wide hallways
- Flush threshold to external areas



## WATER EFFICIENCY

- Rainwater tank 2500L above ground plumbed to toilet and washing machine
- Low flow shower heads and tapware

