This Net zero Energy house is nestled in a suburban infill lot. Designed to meet Passive House Standards a small 4.3 kW grid-tied solar array supplies all of the energy the homeowners need (and then some) in this all electric home.

The total energy costs for all heat, electricity and hot water equals \$90.67 annually on average (this cost includes the line charges from CVP for your first year of occupancy).

- Triple glazed windows with weather resistance allowing for an excellent 7 star energy rating
- 100% solar power with the ability to generate energy income in ideal conditions
- Bushfire resistant housing materials meaning no need for a fire break
- Absorbent soil garden ensuring your house stays afloat in max 6.8m flood waters
- Rubber roofed for maximum thermal and audio dampening







# 1 RUBBERISED ROOF

Rubberised roofing external membrane protects your new home from hail storm damage whilst providing sound absorption to ensure you can live/work/sleep in peace during extreme weather events.

### Hail rating:

Class 4 UL 2218



# 3 FLAME RETARDANT PAINT KEEPS BUSHFIRES AT BAY

pH-neutral, water-based, organic and low-VOC fire retardant paint is available in thousands of translucent tones for interior and exterior use. The product is typically used for fire protection of cladding, bearing elements and interior wood products in domestic buildings.

#### Fire rating:

Class A UL 790



## 2 WEATHER RESISITIVE BARRIER

German designed triple glazed windows provide superior insulation against UV rays, reduced condensation, improved sound insulation and increased energy efficiency.

#### **Energy rating:**

Class 4 ANSI FM 4473

#### Wind rating:

Class F ASTM D3161



# 4

## **REGENERATIVE GARDEN**

This clever multi purpose garden design not only looks great and allow for sustainable farming, the soil also has an absorbency rating to keep your house safe from 6.8m flood waters.\*

#### Soil absorbency rating:

Class H987 up to 6.8m

\* Grey water recycling marsh available at an extra cost.

