



Mildura Eco Village – Eco House

What is the Eco House?

The Eco House was relocated to the Mildura Eco Village in 2014 and retrofitted to demonstrate sustainable design principles.

Using energy conservation strategies the design of the Eco House aimed to achieve an environmentally sustainable family home that is affordable and appealing. The result is a demonstration house that is open plan with multipurpose rooms that connects to the outdoors and community gardens.

The Eco House demonstrates ways to improve water conservation, reduce electricity consumption and manage waste products, located in the Mildura Eco Village - 15 Scherger Drive.

Sustainable Design Features Include

Air Lock

The airlock welcomes visitors into the house and provides an important thermal buffer between the internal and external environment.

Flooring

Many of the floorboards were retained and sealed with a product classified for low emissions and low volatile organic compound (VOC's).

Energy Efficient lighting

The design included installing more windows that were double glazed to take advantage of the natural light and using LED and compact fluorescent in the most efficient way possible.

The skylight has a 5-star energy rating and was installed to maximise and enhance natural light. The insulated glass is double glazed and reduces UV by up to 95%.

Northwest Facing

The Eco House benefits from northwest facing orientation. In winter the house is light, bright and warmed naturally and in the summer the house is protected from unwanted thermal gain by the existing eaves that overhang the north-facing windows.

Insulation

Insulation has been added to the floor, ceiling, and walls to improve the thermal efficiency of the house.

Water Efficiency

The 5,000 L water tank is located behind the Eco House and is plumbed to supply the inside toilet with grey water for flushing.

What the Eco House is used for

- Schools tours and environmental education activities
- Community meetings and group activities

Need more information

Visit www.mildura.vic.gov.au/Services/Environmental-Sustainability/Mildura-Eco-Village/Eco-House

Contact information

Mildura Rural City Council's Environmental Sustainability Team on (03) 5018 8100



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