



1 Homes lower your carbon output

THEY FEATURE ENVIRONMENTALLY FRIENDLY BUILDING MATERIALS AND PRODUCTS

LANDCOM has opened its second Eco-Living Display Home at The Ponds.

The Greencycle home has a seven-star rating and features building materials and products that are environmentally friendly, have low energy use, a high recycled content and are capable of being recycled.

Clarendon Homes was selected by Landcom to construct all three of its Eco-Living Display Homes, which showcase sustainability concepts and products for the project home industry and general housing market.

Landcom sustainability and policy director Steve Driscoll said the home highlights how recycled products can be used affordably to lower a home's carbon output.

"Each year the building industry contributes significant tonnes to landfill across Australia," he said.

"The Greencycle home showcases the benefits associated with various recycled products, thereby educating consumers, as well as the project home building industry, how everyone can contribute to reducing excessive waste."

He said the home also incorpor-

ates universal housing principles, enabling people to potentially live in their home over their lifetime without the need for major adaptation or specialised design.

Clarendon Homes design sustainability specialist Shaila Divakarla said concrete is the most dominant CO₂ contributor when building a home, contributing between three-to-five per cent of greenhouse gas emissions.

She said a 30 per cent reduction in CO₂ emissions is achieved with the Greencycle house.

"Builders and consumers need to seek ways to put back into the environment rather than keep taking from it," she said.

Compared to the standard home, occupants will see reductions of 41 per cent on heating and cooling loads through the ability to section off rooms for heating and cooling purposes.

Orientation towards the sun and thermal materials used also contribute to this reduction.

GO GREEN

- North-facing living rooms
- Good cross-flow ventilation
- 1.5 kW grid connected Photovoltaic system
- Gas hot water and cooking
- 5000L rainwater tank connected to laundry
- Reticulated recycled water connected to garden and toilets
- Concrete created with 20 per cent fly-ash, which is a waste product of thermal power plants
- Kitchen and vanity benchtops made of bamboo and recycled cardboard
- Glasswool insulation uses less energy to create and has 80 per cent recycled glass content
- Bamboo flooring throughout excluding wet areas

HOME THREE COMING

Later this year the third EcoLiving Display home, the Net-Zero emissions home, will open. It will be a smaller and smarter home which showcases design and technologies that have been blended to create a home with virtually no bills. The Eco-Living Display Village Homes are located at Pebble Crescent. The Ponds.



The Greencycle home at The Ponds.