

Case Study

Tiny Homes Foundation – NSW, Australia



Overview

The Tiny Homes Foundation is a not for profit organisation dedicated to providing socially, environmentally and economically sustainable housing solutions and support for people experiencing homelessness.

The Australian first Pilot Program comprises 4 tiny homes and common spaces to integrate an affordable housing solution with employment, education and social re-integration solutions as part of a scalable community project. This innovative way to address Australia's growing affordable housing crisis is designed to be easily replicated in private, public and not for profit sectors.

The tiny homes incorporate passive solar design to maximise natural light and thermal comfort whilst using environmentally friendly building materials and methods. Energy and water efficient appliances and facilities including rainwater tanks and an Apricus solar hot water system to reduce operational costs.

Through a collaboration with the Australian Apprentice Association (AAA), the construction of homeless accommodation also delivers pre-employment skills training to local job seekers.

Apricus donated the ETC-22 evacuated tube collector systems to supply hot water to the new homes. A single ETC-22 tube collector is ideal for residential households of 2-3 people, able to provide 60-80% of domestic hot water energy demands.

The solar water heaters will offset over 2 tonnes of greenhouse gas emissions and save the tiny homes occupants hundreds of dollars each year in energy costs.

For more information about the Tiny Homes Foundation Pilot Program please visit www.tinyhomesfoundation.org.au

For more information about AAA please visit: www.australianapprenticeassociation.com.au



**TINY
HOMES
FOUNDATION**



**AUSTRALIAN
APPRENTICE
ASSOCIATION**



Project Summary:

Property Name:	Tiny Homes Foundation Pilot Program
Location:	Gosford, NSW, Australia
Array Size:	1 x ETC-22 collector
Peak Output:	1.47 kW
Annual Energy Output:	> 2500 kWh
Annual CO ₂ Offset:	> 2.25 metric tonnes
System Format:	Direct flow
Application:	Domestic hot water
Storage Capacity:	250L

Contact Information:

Apricus:	www.apricus.com
THF:	www.tinyhomesfoundation.org.au
AAA:	AAA website