

Case Study - Cockburn Volunteer Headquarters - 20kW



The Cockburn Volunteer Headquarters building is a newly constructed community building which is shared between the Cockburn State Emergency Service and the Coogee Bush Fire Brigade. The building construction plan incorporated the deployment of 20kW solar PV capacity to reduce the running costs of the building, so the builder invited tenders from the industry for the supply and install of this system.

Due to the project being under construction, Solargain was chosen because of its experience with successfully installing systems such as St Bartholomew's House, which was a multi storey construction site with 27kW installed on the top of an 8 storey apartment complex. Another one of Solargain's advantages which influenced the decision was the ISO 9001 and AS/ANZ 4801 accreditations, as safety is a key issue which needs to be properly managed on a construction site.

Unfortunately, towards the final handover of the building, the construction company went into receivership, something which most suppliers contributing to the late stages of the construction (including ourselves) were affected by. This prompted an email from the Project Facilities Manager of the City of Cockburn enquiring as to whether the "warranties for both workmanship and materials had been unduly

affected by Gavin Construction no longer trading" to which Solargain's response was that regardless of the circumstance, it always stands by customers and will cover the workmanship and product warranties as per the original proposal.

Solargain is pleased to say that at the time of writing there had been no circumstance for any warranty or service claim, as the system had been performing as intended, without incident.

Project Overview

Location: Cockburn, WA

Completed: September 2012

System size: 20kW

Roof Fixing Method: Tilt Mount

Products: - 104 x Hanwha 195W panels
- 2 x SMA 10000TL Tripower Inverters

Annual Energy Production: 32.1MWh approximately

Annual Greenhouse Gas Emission Reduction:
29.56 Tonnes CO₂ e (CO₂ equivalent)