

## Case Study - Manning Bowling Club - 20kW



Roof installation image

Manning Bowling Club, as with most of these types of facilities, use most of their electricity running cool rooms and bar facilities.

As a result the non-for profit sporting club had been highly impacted by the significant increases in the cost of their commercial electricity tariff. Due to the peak and off-peak tariff they were on they decided that a solar PV system was the most cost effective solution to address the issue.

The solar PV system would produce electricity at times when they were being charged most by their retailer. As the building is a council owned facility a representative committee of the club put forward a proposal to the local council for approval.

It was subsequently accepted and Solargain were commissioned to install a 20kW system.

Due to the results of the system and the service provided by Solargain many members of the club have now gone ahead and purchased systems for their own homes from Solargain.

The 20kW system comprises 80 x 250W Suntech panels and 2 x SMA 10kW inverters. The system is flush mounted facing true north.

### Project Overview

**Location:** Manning, WA

**System size:** 20kW

**Roof Fixing Method:** Flush mounted 25 degree pitch

**Products:** - 80 x 250W Suntech panels  
- 2 x 10kW SMA Sunny Tri Power 10000TL inverters

**Annual Energy Production:** 32.2MWh approximately

**Annual Greenhouse Gas Emission Reduction:**  
29.55 tonnes CO<sub>2</sub>e (CO<sub>2</sub> equivalent)

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*"The decision was based on the professionalism of your company's presentation and in particular the advice on where a 15kW and a 20kW system fitted into our usage."*

Peter Barrow  
Manning Bowling Club

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