

Renewable Energy and Environmentally Sustainable Design Case Studies

Marysville Police Station - GIPV

Site:

Marysville, Victoria

Dates:

- System Design: February & December 2011
- System Installation: December 2011
- System Commissioned: TBA

Client:

Victoria Police

Project Goals:

Design, supply and install a grid-connected power system for police centre.

[GIPV = Grid Interactive Photovoltaics]

After the devastating Black Saturday bushfires in Victoria in February 2009, the Marysville community was keen to see the destroyed police station rebuilt on the same site.

As part of a determination to 'build back better', Going Solar was invited design and install a photovoltaic system for the new building. A number of PV options were considered in conjunction with the architect before settling on a prominent rooftop display of the solar panels.

Project Features:

- Roof-mounted photovoltaic array consisting of 27 x 185W Schott Solar PV panels.
- Sunnyboy SB 5000TL Inverter
- Complete system documentation including maintenance schedule and log sheets.
- System size: 4995 W

Project Team:

- Warwick Tullio, System Designer, Going Solar
- Narayan Kafle, System Designer, Going Solar
- Duncan Macgregor, Lead Installer, Going Solar
- Mark Colwell, Installer Going Solar
- Andy Savage, Installer, Going Solar
- Glenn Robertson, Electrical Contractor

Further Information:

- steve@goingsolar.com.au
- www.goingsolar.com.au
- (03) 9348 1000



PV Panels on Roof



Framing Support Rails



Detail of Earthing Connection

Renewable Energy and Environmentally Sustainable Design Case Studies



Rooftop DC Isolation Switch

**Left: PV Panels on the Roof of the
Police Station and the Hills around
Marysville**



Marysville Police Station (during construction) with the PV panels installed