

Renewable Energy and Environmentally Sustainable Design Case Studies

Williamstown High School - PV

Site: Williamstown, Melbourne, Victoria

Dates:

- Design Phase Commencement: September 2005
- Main Installation: December 2005
- Full System Commissioning Due: January 2006

Client:

Williamstown High School

Project Goals:

Design, supply and install of a small stand-alone power system for automated horticultural watering system.

Project Features:

- Roof-mounted 300W 12V photovoltaic panel.
- Side pitched array.
- Five stage battery charger.

Expected renewable energy supply:

- 365 Kilo Watt hours per annum

Project Team:

- Jarrod Tewierik, Project Manager, Going Solar
- Duncan McGregor, Installation Support, Going Solar
- Stephen Ingrouille, Principal, Going Solar

Further Information:

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PV panel on roof



Reverse side of PV panel



Inverter (blue box), solar regulator, battery charger, fuse protection and signage



Sealed gel batteries