

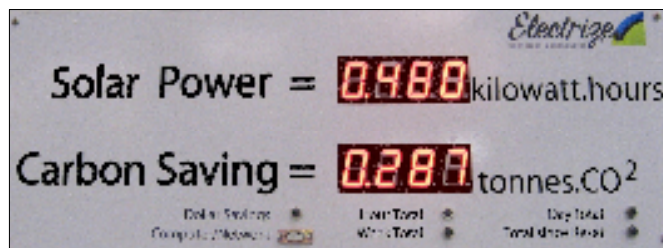
How does the system work?

When sunlight shines into the cells of the solar panels it is made into DC power. This flows along wires into the inverter. In the inverter it is changed to AC 240V electricity, which is the power that is used in our houses and buildings. From the inverter it goes into the switchboard to be available for use.

How much greenhouse gas will it save?

This 2 kW system will save 3,000 kilograms (3 tonnes) of greenhouse gases per year. Over 25 years that is 75 tonnes.

What do the figures on the screen show?



Dandenong Ranges Renewable Energy Association Inc.

The Dandenong Ranges Renewable Energy Association was formed in September 2007.

Its aim is to promote renewable energy and energy efficiency and to initiate community based renewable energy projects.

DRREA helped with the solar power systems on Emerald Primary School, Kallista Primary School and Belgrave Library.

Many of the 100+ members of the Dandenong Ranges Renewable Energy Association are part of the Belgrave/Upwey Solar Neighbourhood and many will participate in the Solar Hot Water Bulk Buy in 2009.

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Emerald Library Solar Power



Emerald Library installed a solar power system in November 2008.

This solar power system is a joint project between Cardinia Shire Council, the Casey-Cardinia Library Corporation and the Dandenong Ranges Renewable Energy Association.

To solve the problem of global warming we need to reduce our greenhouse gas emissions. Producing electricity from renewable sources does this.

Solar power is the most viable form of renewable power generation for urban areas.

It is hoped that this working solar power system will promote the use of solar power.