



CASE STUDY – WOOLLOOWARE HIGH SCHOOL

Woollooware High School is a co-educational high school located in Sydney's southern, beachside suburb of Woollooware. The school qualified for a \$50,000 grant under the Federal Government's National Solar Schools Program (NSSP), which encourages schools to take practical action to address climate change by adopting energy efficiency measures such as solar power.

From start to finish, Solgen Energy managed the installation of a 5.1kWp system on the D Block roof. This included coordination of the funding process, workplace safety compliance and staff training, therefore ensuring the whole process was hassle-free for the school.

BENEFITS

The system not only improves energy efficiency, reduces energy consumption and operating costs, but provides educational outcomes for students and demonstrates the school's commitment to climate change. In addition to these benefits the installation will also:

- Generate approximately 8.2 Megawatt hours of electricity per annum or enough solar energy to power 4 to 5 classrooms for a year.
- Prevent about 8.2 tonnes of greenhouse gases from entering the atmosphere each year, or the equivalent of removing a car from the road for one year.
- Address climate change and raise awareness of renewable energy in the community

TESTIMONIAL

"Solgen Energy provided excellent service throughout conception, planning, installation and the final steps of bringing the system online. The quality of materials and workmanship is evident in any examination of the finished product. Similarly, the after sales service and training in the use of the software package that is provided with the panels has been first rate."

Steve Fisher, Deputy Principal

PROJECT OVERVIEW

LOCATION	Woollooware NSW
DATE COMPLETED	October 2009
SYSTEM PEAK CAPACITY	5.1 kWh
SOLAR PV MODULES	30
PRODUCT	Schott Solar 170W
GREEN SAVINGS	8.2 tonnes of emissions annually
ENERGY GENERATED	8.2 Megawatt hours each year