

## BRISBANE CITY COUNCIL GREEN HOME FACT SHEET – SOLAR ENERGY

### Solar energy

Solar Photovoltaic (PV) solar energy systems convert sunlight into electricity. PV systems are made up of solar panels, which are placed on the roof of your home.

PV systems interact with the electricity grid. If you install a solar PV system you can sell excess electricity you generate to the grid. That is, you can sell electricity during the day and buy it back at a cheaper rate to use at night.

The Energex solar PV program provides access to electricity when solar panels don't generate enough power for your needs.

The program allows excess electricity to be sold to Energex at agreed rates.

### Rebates

While PV systems cost from \$15,000 to install, there are rebates available. The federal government's Australian Greenhouse Office offers a PV rebate program with rebates of up to \$4,000.

The Australian Greenhouse Office will also offer up to one million dollars to residential property developers to support the installation of PV systems over 2003/04 to 2004/05.

To be eligible for a PV rebate, you must be able to show that the person who will install the PV system is suitably qualified and experienced. For example, the installer will usually have a Business Council for Sustainable Energy (BCSE) accreditation (full or provisional) for PV design and installation.

The Queensland State Government's Energy Advisory Service also offers rebates.

Energex credits your electricity account up to \$0.28 for each kilowatt per hour (kWh) of electricity that your residential solar PV system generates.

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