

Why a Solar and Energy Efficiency Program?

- Queensland Government has set targets through the *ClimateSmart 2050* policy of:
 - 5% energy reduction by 2010
 - 20% energy reduction by 2015
- These initiatives will form the basis of developing individual school's School Environmental Management strategy.
- Tomorrow's leaders will be encouraged to think about energy management

What has the program supplied?



Solar panels on school building

- Minimum of 2kW solar panels & associated peripherals
- Lighting upgrade to energy efficient lighting / retrofit to essential classrooms / high use areas
- IT information system for monitoring energy
- Curriculum package for Year 6/7 students which focuses on energy management

What behavioural changes can schools implement?

- Establish written processes and procedures in the school for energy conservation measures
- Ensure lights and fans are switched off when room is not in use eg:
 - Sports activity afternoons/days
 - Lunch breaks
 - Before and after school
- Conduct an audit on external security lighting. Is it necessary? - if not turn off
- Encourage school cleaners not to turn on lights unless required and especially not turn on air conditioners and heaters when they arrive first thing in the morning
- Place "turn light off when not in use" sign over light switches
- Open windows and doors and turn on fans for passive cooling
- Switch off:
 - Monitors and PCs and other equipment at the wall – don't leave on standby
 - Clock on microwaves and stoves – do you need to have the clock on?
- Place timers on urns, zip boilers, hot water systems. Where possible:
 - Set timers to come on at 8.30am and turn off at 3.30pm on school days
 - Turn off on weekends and vacation periods
 - Consider using a small jug instead of a zip boiler in the staff room
- If you don't really need a hot water system turn it off
- Consolidate food in fridges in tuck shops and kitchens – switch off refrigerators when they are not required eg vacation periods
 - Ensure refrigerators have 5cm clearance all around for airflow
 - Ensure refrigerator seals are working and there is no ice build up inside
 - Fridges only need to be set at 4°C to keep milk fresh
- Photocopy in batches and ensure "energy saver" mode is used between times



Ensure lights are switched off when room is not in use



Open windows



If possible use small jug instead of zip boiler



Ensure dishwasher is full before turning on

- Make sure any dishwasher is full before turning it on
- Prepare a vacation checklist – is all unnecessary equipment switched off – eg refrigerators, zip boilers, hot water systems, air conditioners, computers etc



Do not turn inverter off