

Nursery Traders 2010 Sustainability Report

Greenlife

Nursery Traders is committed to building a better environment. Our business distributes hundreds of thousands of plants into the environment each year—contributing to some of Queensland's prized green public and private spaces.

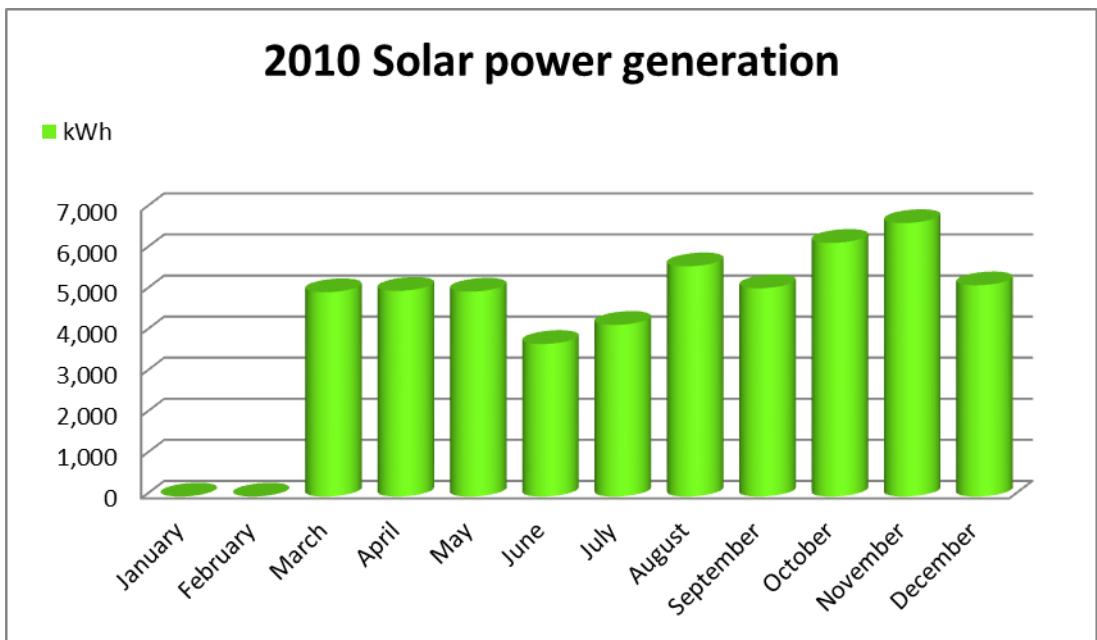
In the early 90s, we made a clear decision to weave that environmental contribution deeply into every aspect of our business—adopting the goal of *Achieving world best practice in sound environmental management*.

Energy

In February 2010 we fitted our two largest roofs with a total of 228 solar photovoltaic panels, each rated at 210 watts. Together at commissioning, they formed Australia's largest installation of Kyocera solar panels and Aurora inverters—and the largest installation of its type in Queensland's private sector.

Fibreglass roof sheets in our buildings ensure we maximise natural light inside, minimising power use. In addition we are progressively installing energy efficient lighting, and with smart, ever-improving energy consumption practices on-site, we expect ongoing increases in the amount of green power we feed into the grid.

Table 2 – 2010 energy saving achievements (calendar year)		
Measure	Savings	Comment
Total solar power generated	51,508 kilowatt-hours	For 302 days from 5 Mar to 31 Dec
Total CO ² reduction	53,877 kilograms	Equivalent carbon footprint of 3.9 households
Green power exported to grid	31,922 kilowatt-hours	Forecast to increase through continual improvement
Largest generation day	327.23 kilowatt-hours	16 October 2010



Water

Over two decades Nursery Traders has implemented five water efficiency projects. We capture water from across the nursery, and use our onsite weather station to monitor conditions and carefully manage our daily irrigation cycle.

Extensive ongoing analysis, measurement and review enable us to continually identify savings.

In 2010 we achieved total water self-sufficiency—using no potable water in irrigating our entire nursery of more than 12 000 m² in March, May, August, September, October and December.

Table 1 – 2010 water saving achievements (calendar year)

Measure	Litres	Comment
Potable water use	1,672,000	A record
Total water used in irrigation	23,387,000	A reduction of 12,037,241 lt or 34% on 2009
Estimated water savings	58,284,000	A business record — 97.2% reduction on 2000 use
Total estimated water savings since 2000	439,531,000	An industry benchmark



Waste

On the results of a 2010 waste-stream audit, Nursery Traders has reduced waste collection by more than 50 per cent since January 2011. We separate all recyclables—paper, cardboard, plastics and glass—for collection, and compost food scraps.

Plastic nursery trays are reused for shipping, and steel from demolished structures are reused in building display benching and fencing.

Electronic reporting procedures implemented in 2000 are saving more than 32,000 sheets of paper per annum.

Table 3 – 2010 paper saving achievements (calendar year)

Measure	Savings sheets per annum	Comment
Electronic daily reporting of supplier sales	20,748	Annual water savings – 10,868 litres
Electronic reporting, invoicing and remittance of sales to suppliers	11,857	Annual tree savings – 3.9 trees Annual CO2 savings – 352 kg
Total	32,605	