

Business Energy Savings Program



Case Study • Fenwicks Marina, Brooklyn

About Fenwicks Marina

Fenwicks Marina, owned and operated by Andrew Fenwick, is an award winning, family run marina in the heart of Brooklyn, 60 minutes drive north of Sydney. Protecting the environment and the waterways is essential to the business activities of Fenwicks Marina and is an integral part of their management plan.

Why Fenwicks Marina joined the program

- A business commitment to reduce their impact on the environment
- Energy price increases, driving up electricity costs

Key areas for action

Fenwicks Marina used their air conditioner continually throughout winter and summer to maintain temperatures within their office and had no insulation in their ceiling to maintain a comfortable office temperature.

A subsequent energy audit revealed that significant savings could be made by upgrading and improving the lighting and the heating/cooling processes at Fenwicks Marina.

What they did

- Replaced 72 light fittings and globes with 36 efficient globes and reflectors from Envirolight
- Installed 160 sq/m of R3 insulation
- Upgraded to a Rheem Solar Hot Water System
- Replaced 2 old air compressors aged over 25 yrs with new energy efficient models

Results

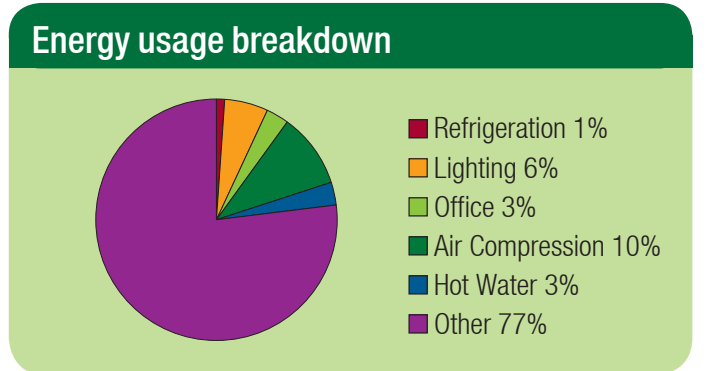
The lighting installations saved an astonishing 65% of the cost of lighting towards the energy bill. The insulation resulted in a significant reduction in the usage of the air conditioning units. Rather than replacing the air conditioners, Fenwick's Marina's smart decision to install insulation reduced their air conditioning usage down to only a few hours of operation on a handful of days each year.

Fenwicks Marina was eligible to receive the NSW Department of Environment and Climate Change and Water, Energy Efficiency for Small Business program rebate of \$5,000.

“ No business likes to spend money but when you can modernise old plant and equipment , achieve such good reductions in energy and provide a quick payback, it just makes good business sense, not to mention the benefits to our environment. I am sure many businesses would be surprised at the benefits and energy savings this program can deliver them. ”

Andrew Fenwick - Fenwicks Marina

Investment and savings	
Investment	\$18,305
Government rebate	\$5000
Business cost savings	\$3,157 per year
Return on investment	23.7%
Energy savings	15802 kWh
Greenhouse gas savings	12.9 tonnes CO ₂ per year



To join the Business Energy Savings Program
Call Council's Environmental Officer on 9847 6773
or email sustainablebusiness@hornsby.nsw.gov.au
or visit www.hornsby.nsw.gov.au/environment

