

# Reduce your operating costs, pocket the money, and gain a **competitive advantage** by reducing your energy use.

## About us:

Tropical Energy Solutions is a North Queensland based company that offers a range of renewable energy services including the development of Energy Management Systems, Energy Auditing and Staff Training. We strive to offer **CLEAN, RELIABLE** and **AFFORDABLE** energy solutions to our customers. Being based in North Queensland means we have expert knowledge of the tropical conditions in which your business operates and are able to provide the high level of customer service you expect.

## What we can do for you:

In 2007 the price of electricity increased by **11%**. This was followed by an increase of **5%** in 2008 and a further increase of **15%** in 2009. This is an average increase of **11%** per annum which is expected to continue in the future.

Our energy audits aim to reduce your energy consumption by at least 10%. In most cases this is largely achieved by smarter use of existing electrical equipment and staff behaviour change. A 10% reduction in energy use directly translates into a 10% reduction in your electricity bills – not once but on every future bill!

You will also gain an advantage over your competitors as you become more attractive to environmentally conscious customers and reduce your operating costs. In an economic environment that is seeing businesses of all sizes looking to reduce costs while maintaining services it's smart business to be energy efficient.

An energy Audit is an affordable way to reduce costs and increase your profits. Call us now for an obligation free quote on (07) 4772 7394

## Case Studies:

### Townsville Enterprise Limited: **16% Energy Saving Per Year**

Our energy audits of Townsville Enterprise Limited resulted in an overall energy reduction of 16% at one of their Visitor Information Centres. In the main office the energy used for lighting was almost halved with no effect on the amount of light being made available to staff. Townsville Enterprise is currently paying less for electricity than it was last year even though the cost of electricity has risen by 15%.

### Ergon Energy: **Possible Emissions Reduction of 1,388 Tonnes CO<sub>2</sub>-e**

Tropical Energy Solutions has conducted a comprehensive Energy Audit of 56 Ergon Energy depots throughout Queensland. A total of 13,838 appliances and individual loads were identified during site visits which had a total annual energy consumption of more than 5 million kWh. Our energy Audits revealed a possible decrease of over 1 million kWh which means substantial financial savings in energy costs and a reduction of over 1 million kgCO<sub>2</sub>e green houses gas emissions. After the audits were complete workshops were conducted at 6 locations across Queensland educate managers in the findings of the audits and develop depot specific Energy Management Plans.

### Cape Trib Beach House: **\$35,000 Energy Savings Per Year**

The Cape Trib Beach House Resort currently operates without connection to the electricity grid. All electricity is produced by generators and all energy sources are stored on-site as Diesel or LPG fuel. The remote location of the resort means significant transport costs for these fuels. During 2008 a total of 106,259 litres of diesel were used for electricity generation.

Our energy audit measured the load of 570 individual electrical loads and specific recommendations were given to achieve a load reduction of 49% while gaining further cost and operating efficiencies through installing more appropriate equipment and generators. To date a number of these recommendations have been implemented at a cost of \$10,000 that have seen the resort make annual savings of \$35,000 per year.

#### Contact us:

For more information please contact the Tropical Energy Solutions team:

**Ph:** (07) 4773 7394, **Fax:** (07) 0 4772 3724,

**E-mail:** [mark@tropicalenergysolutions.com.au](mailto:mark@tropicalenergysolutions.com.au)

**Web:** [www.tropicalenergysolutions.com.au](http://www.tropicalenergysolutions.com.au)

**Street Address:** 4 The Strand, Townsville, Qld, 4810



CLEAN > RELIABLE > AFFORDABLE