



## A CASE STUDY: ENERGY SAVINGS

### KEITH'S HOME-MADE CAKES

How a bakery saved \$11,980 per annum by using Energy Solutions.

Keith Cakes has been an icon in Church Street for more than 40 years. Since 2002, it's been owned and run by the Crawford family: Andrew is the head pastry chef and Kelly manages the busy front of house team.

Empower started the conversation with Keith's Home Made Cakes on how they can reduce their energy spend. Their original consumption was 159,510 kWh peak and 87,068 kWh off-peak, totalling 246,578 kWh per annum. At that time, their energy bill was \$38,000 per year.

### WHAT ARE NETWORK TARIFFS?

A network tariff is a schedule of charges for the use of the network 'poles & wires'. These are 'pass-through' costs from your Distributor for the delivery of electricity.

Often businesses are over-charged because they are on the wrong network tariff rate. This may be due to tariffs becoming obsolete, an error in the assignment of the original tariff, or because the energy use characteristics of the site have changed over time.

### NETWORK TARIFF ANALYSIS

Empower can analyse your energy consumption and demand and match this data against applicable network tariffs for your site to determine the lowest cost tariff. This can lead to significant savings.

## SAVINGS SNAPSHOT



Switching contract to BlueNRG  
Saved **\$10,000\*** per year



Installing LED lighting  
Saved **\$1,380+\*** per year



Network Tariff Reassignment  
Saved **\$600\*** per year

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### BEST ELECTRICITY OFFER

Empower changed Keith's Homemade Cakes electricity provider to Blue NRG and managed to save them 28% on electricity costs. This equated to an annual saving of approximately \$10,000.



### L.E.D. IMPLEMENTATION

To further reduce their energy spend, Keith's Home-Made Cakes contacted Empower and inquired about Energy Reduction Solutions. Empower recommended that the first step was to upgrade their lights to energy efficient LED lights. By installing LED's throughout the premises they were able to reduce their lighting energy consumption by 67% and total energy by 2% with a pay-back period of only 1.5 years. Furthermore, LED lighting has lower maintenance costs than standard lighting. Total savings related to the LED implementation were \$1,380 and 7,013 kg of CO2 every year.



### NETWORK TARIFF REASSIGNMENT

Blue NRG noted that Keith's Home Made Cakes were on the incorrect network tariff. With the customer's permission, Blue NRG organised for the sites' network tariff to be re-assigned to the correct tariff resulting in further annual savings of approx. \$600.

### HOW DOES LED WORK

The LED light bulbs require much less power than the CFL or Incandescent light bulbs, which is why LED bulbs are more energy-efficient and long lasting than the other types of bulbs. There is a LED replacement available for most incandescent, halogen and fluorescent light bulbs.

Lighting energy savings from LED upgrades are typically around 64%, and up to 89%, and maintenance costs are much less than traditional options.

### WHAT DO WE DO AT EMPOWER?

Empower are committed to cutting your ENERGY COSTS. This is achieved by offering the following services:

- Finding the best Energy Retail deal
- LED Lighting
- Solar PV systems
- Energy Storage
- Network Tariff Analysis
- Energy Management Systems
- Power Factor Correction
- Energy audits, and more

### YOUR TURN

Contact Empower to see how we can help your business reduce its energy costs.

Call 1300 665 285

Email [info@smarterenergysavings.com.au](mailto:info@smarterenergysavings.com.au)

Website [www.smarterenergysavings.com.au](http://www.smarterenergysavings.com.au)

#### DISCLAIMER

\*When their bill was compared to their previous electricity provider 20th October 2015

\*Based on LED lighting proposal provided by [Cherry Energy Solutions](#)

\*New tariff was implemented when Keith's Home Made Cake's started their new Blue NRG account