



**CASE STUDY 2**

**ENERGY SAVINGS – FOODWORKS HOME HILL**

*Foodworks Home Hill is a key supermarket in the Burdekin area. It is approx 350sqm of retail space and has a Fruit and Vegetable, Deli, Grocery and Meat departments*

**THE PROJECT**

The project was to develop actions to reduce energy costs for the business.

**THE CHALLENGE**

To understand the business operation and determine how energy was being used. We also needed to understand the businesses future plans and energy needs to develop effective energy solutions for the future.

**THE SOLUTION**

The solution was to develop an Energy Saving Plan for the business which provides action that could be implemented to reduce energy usage and costs.

To develop the plan an Energy Audit was conducted to AS/NZS 3598:2000. This provided a clear understanding of how energy was being used and identified the key functions for energy use were refrigeration, air conditioning and lighting.

From this information actions to reduce energy usage were developed in all areas with a focus on air conditioning, refrigeration and lighting.

For example two mobile cold rooms were switched off after stock ordering and refrigeration usage (eg stacking) was optimised. This improvement provided additional savings in operational expenditure. Prior to developing the plan additional cold rooms were usually hired for the Christmas period. After the changes in stock ordering etc there was no requirement to hire additional refrigeration for the Christmas period.

Once the actions were developed Evolve Energy provided training for staff on what used energy and the actions they could take to reduce future energy usage. The training covered the key areas of savings which were - effective use of refrigeration, air conditioning and lighting.

**THE COST SAVINGS**

The energy cost savings as a result of developing and implementing an energy savings plan was \$6,809 per annum, while greenhouse gas emissions reduced by 64,283 (kgCO<sup>2</sup>e).

**THE FACTS**

Annual CO <sup>2</sup> e savings identified	64,283 (kgCO <sup>2</sup> e)
Annual energy cost savings identified	\$6,809

