



**CASE STUDY 6**

**ENERGY, WATER AND WASTE SAVINGS – CAIRNS CENTRAL**

Cairns Central is the largest shopping centre in Far North Queensland and has been servicing the local region since 1997.

The centre is fully enclosed and offers an extensive range of stores and services, including the only department store north of the Sunshine Coast. It has over 180 stores together with Myer, Target, Coles, BI-LO and Birch, Carroll and Coyle.

Cairns Central is located on the corner of McLeod and Spence St, Cairns.

[www.cairnscentral.com.au](http://www.cairnscentral.com.au)

**THE PROJECT**

The project was to develop a Business Cluster of Retailers to reduce energy and water usage and reduce the production of waste. The project was funded by the Queensland Department of Environment and Resource Management.

**THE CHALLENGE**

To educate retailers in the area of energy, waste and water efficiency and to motivate them to implement actions identified.

**THE SOLUTION**

The solution was to develop Energy, Waste and Water Saving Plans for participating retailers which provided details of their existing usage and actions they can take to be more efficient in these areas. The Saving Plans were used by the managers, owners etc to reduce costs.

Prior to developing the plans a training session was provided to advise participating retailers on the process of effectively manage energy, waste and water. Some practical examples were provided to show how easy

savings can be achieved and how the practice could be part of daily business operation.

Following the presentation Energy, Waste and Water Saving Plans were prepared for each retailer which outlined actions specific to their business. A Business Cluster Report was also developed to discuss the benefits that could be achieved by the group. This approach allowed actions to be implemented by the group which could not be achieved on an individual basis.

**THE COST SAVINGS**

The energy cost savings as a result of developing the energy savings plans and Business Cluster was \$29,168 per annum, while greenhouse gas emissions reduced by 151,743 (kgCO<sup>2</sup>e).

**THE FACTS**

Annual greenhouse gas savings identified	44,928 (kgCO <sup>2</sup> e) (No Cost Plan)
	151,743 (kgCO <sup>2</sup> e) (Total Plan)
Annual energy cost savings identified	\$8,730 (No Cost Plan)
	\$29,168 (Total Plan)

