

Countdown Kaiapoi

Target Sustainability Programme

About the Company

Countdown Kaiapoi is a Progressive Enterprises Ltd supermarket located at 87 Hilton Street, Kaiapoi. The store sells general supermarket goods.

Introduction to the Project

Countdown Kaiapoi joined the Christchurch City Council Target Sustainability Programme in 2009. The Target Sustainability Programme supports businesses to reduce waste and to be energy and water efficient.

Countdown Kaiapoi's objective at the time of joining the programme was to reduce waste sent to landfill and to become more energy and water efficient.

Countdown Kaiapoi implemented a range of projects to reduce waste sent to landfill and to improve energy efficiency.

Key Achievements

- **Reduced waste sent to landfill by an estimated 27% (16.7 tonnes) per year.**
- **Reduced refrigeration electricity use by an estimated 3% (26,300 kWh) per year, saving \$3,200 per year.**



Countdown Kaiapoi © Copyright

Waste Reduction Initiatives

Countdown Kaiapoi reduced the amount of waste sent to landfill by an estimated 27% (16.7 tonnes) per year (based on the weight of waste sent to landfill before and after initiatives were implemented)¹.

Countdown Kaiapoi implemented the following initiatives to reduce and recycle waste:

- Ensured that the waste service provider recorded the weight of waste sent to landfill and recycling so the store could measure the improvement made through implemented initiatives.
- Improved the cardboard recycling collection system by installing a new more user-friendly cardboard bailer.
- Improved the organic waste collection system for bakery and produce waste, that is collected by a pig farmer, through staff being more pro-active in diverting this waste away from waste sent to landfill.
- Implemented a plastic recycling collection system to recycle polystyrene, coreflute boxes and plastic strapping.
- Minimised wastage by improving its "reduce to clear" policy and practices. This was achieved by improving stock control and "reduce to clear" pricing systems.
- Improved and expanded its Food Bank collection system for food items that are not saleable (i.e. damaged packaging) but are still good for consumption.



New cardboard bailer © Copyright

¹ The calculations are based on figures supplied by the waste collection service provider and compare the period between July and December 2009, which is the period when the organisation joined the programme, and the period between July and December 2013 when the majority of the recycling initiatives were implemented.

Energy Efficiency Initiatives

Countdown Kaiapoi reduced its refrigeration electricity use by an estimated 3% (26,300 kWh) per year, saving an estimated \$3,200 per year.

The savings were achieved by replacing open top coffin-style freezers with vertical glass door freezers. This reduced the amount of warm air infiltrating the refrigerated space, leading to a reduction in energy required for cooling.

The estimated electricity saving is based on electricity use calculations that take into account the coefficient of performance for the old and new refrigeration system.



New refrigeration units © Copyright



Organic waste bins for collection by a pig farmer © Copyright



Plastic recycling collection cage for polystyrene, coreflute boxes and plastic strapping © Copyright

Summary

Since joining the Target Sustainability Programme, Countdown Kaiapoi has implemented a range of projects that have resulted in a significant reduction in waste sent to landfill and an improvement in energy efficiency.

“The Target Sustainability Programme helped this store make some necessary resource efficiency changes. The programme offered the “know how” and support in becoming more environmentally friendly and cost effective.” Leon Jarden, Countdown CODB Manager.

Countdown Kaiapoi plans to continue to look for ways to reduce and recycle waste and to implement further energy efficiency projects.

Want more information?

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