

Countdown Hornby

Target Sustainability Programme

About the Company

Countdown Hornby is a Progressive Enterprises Ltd supermarket located at 17 Chappie Place in Hornby, Christchurch. The store sells general supermarket goods.

Introduction to the Project

Countdown Hornby joined the Christchurch City Council Target Sustainability Programme in 2011. The Target Sustainability Programme supports businesses to reduce waste and to be energy and water efficient.

Countdown Hornby'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 Hornby 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 52% (71 tonnes) per year.**
- **Reduced lighting electricity use by an estimated 1.5% (6,100 kWh) per year, saving an estimated \$730 per year.**
- **Reduced HVAC energy use by an estimated 0.4% (1,800 kWh) per year, saving an estimated \$210 per year.**



Countdown Hornby © Copyright

Waste Reduction Initiatives

Countdown Hornby reduced the amount of waste sent to landfill by an estimated 52% (71 tonnes) per year (based on the weight of waste sent to landfill before and after initiatives were implemented)¹.

Countdown Hornby 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.
- Implemented an organic waste collection system for butchery and deli waste. A commercial collection service provider is taking this waste to the composting facility operating in Christchurch.
- Implemented a co-mingled recycling collection system in the staff cafeteria for plastic containers, glass bottles, metal cans and paper.
- 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.



Organics recycling bin in the butchery department © Copyright

¹ The calculations are based on figures supplied by the waste collection service provider and compare the period between July and December 2011, 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 Hornby is one of Progressive Enterprises newer stores with relatively efficient lighting, HVAC and refrigeration systems. Nevertheless the store still managed to reduce its electricity use by an estimated 7,900 kWh per year, saving an estimated \$940 per year.

Countdown Hornby implemented the following initiatives to increase energy efficiency:

- Repaired faulty contact switches for lights in the chillers and freezers. This initiative corresponds to an estimated electricity saving of 6,100 kWh per year, saving an estimated \$730 per year.
- Ensured the heat pump in the tea room is not being operated out of work hours. This initiative corresponds to an estimated electricity saving of 1,800 kWh per year, saving an estimated \$210 per year.



Recycling signage in the staff cafeteria © Copyright



Co-mingled recycling in the staff cafeteria © Copyright



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

Summary

Since joining the Target Sustainability Programme, Countdown Hornby 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 assisted Countdown Hornby to become more resource efficient by setting targets and developing a clear direction to guide the implementation of waste reduction and energy efficiency initiatives. This enabled the store to become a good example of sustainable practices.” Leon Jarden, Countdown COB Manager.

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

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