

## Riccarton Clinic Limited

## Target Sustainability Programme

### About the Company

Riccarton Clinic Limited provides a GP practice and accident/emergency service and the clinic sublets areas of its site to pharmacy, physiotherapy, audiology, optometry and podiatry clinics. The business is located at 4 Yaldhurst Road in Upper Riccarton, Christchurch.

### Introduction to the Project

Riccarton Clinic joined the Target Sustainability Programme in 2010. The Target Sustainability Programme supports businesses to reduce waste and to be energy and water efficient.

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

Riccarton Clinic implemented a range of projects to reduce waste sent to landfill and to improve energy and water efficiency.

### Key Achievements

- **Reduced waste sent to landfill by an estimated 43% (12.8 tonnes) per year, saving an estimated \$3,200 per year.**
- **Reduced lighting electricity use by an estimated 26% (11,232 kWh) per year, saving an estimated \$2,370 per year.**
- **Reduced water use by 32% (442,000 litres) per year for the whole site.**



Riccarton Clinic © Copyright

### Waste Reduction Initiatives

Riccarton Clinic reduced the amount of waste sent to landfill by an estimated 43% (12.8 tonnes) per year (based on the weight of waste sent to landfill before and after initiatives were implemented).<sup>1</sup>

Riccarton Clinic implemented the following initiatives to recycle waste:

- Ensured the waste collection service provider recorded the weight of waste sent to landfill so the site could measure the improvement made through implemented initiatives.
- Implemented an organic waste collection system for food waste in the staff cafeteria which is collected and composted in Christchurch.
- Implemented a co-mingled recycling collection system in the staff cafeteria for plastic containers, glass bottles and metal cans.
- Educated cleaners on the recycling expectations of the site, and when results did not improve, cancelled this contract and contracted a new cleaning company that was responsive to Riccarton Clinic's environmental requirements.



Recycling cardboard © Copyright

<sup>1</sup> The calculations are based on figures supplied by the waste collection service provider and compare the period from January 2012 to December 2012, which is the period when the organisation joined the programme, and the January 2013 to December 2013 period, which is the period when the majority of the recycling initiatives were implemented.

## Energy Efficiency Initiatives

Riccarton Clinic reduced its electricity use for lighting by an estimated 26% (11,232 kWh) per year, saving an estimated \$2,370 per year.

Riccarton Clinic implemented the following initiatives to increase energy efficiency:

- Implemented a bulb replacement programme so that only compact fluorescent lamps or LED bulbs are procured for the facility. The estimated savings were determined by comparing an average lighting configuration before and after the lighting refurbishment and calculating the difference in installed lighting capacity. The bulb replacement programme is approximately 50% completed and the estimated savings were based on 50% replacement.
- Installed water flow restriction devices on all taps and showers throughout the facility reducing hot water use. Although Riccarton Clinic has solar water heating for the majority of the site load, electrical top up is still required during winter and times of peak hot water usage, therefore this initiative is expected to reduce electricity use for heating water.



New (foreground) and old (background) bulbs part-way through the replacement programme © Copyright

## Water Efficiency Initiatives

Riccarton Clinic reduced its water use by 32% (442,000 litres) per year for the whole site.<sup>2</sup>

Riccarton Clinic installed water flow restriction devices on all taps and showers throughout the facility reducing water use. Being a medical clinic washing hands and equipment is required frequently, therefore installing water flow restriction devices on all taps resulted in a significant reduction in water use.

<sup>2</sup> The calculations are based on figures supplied by Riccarton Clinic for actual water meter reading and compare the ten week period from 23/8/2012 to 31/10/2012, which is the period when the organisation joined the programme, and the ten week period from 22/08/2013 to 30/10/2013, which is the period when the water flow restriction devices were installed.



New low water flow taps © Copyright

## Summary

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

*“The Riccarton Clinic’s involvement in the Target Sustainability Programme has helped us to understand where we can best improve our sustainability performance, and how this can be done for the best long term gain. This approach has allowed us to show, with real data, that we are acting more sustainably and we have made real reductions to our business costs.”* Mark Darvill, General Manager, Riccarton Clinic.

Riccarton Clinic plans to continue to look for ways to recycle waste and to implement further energy and water efficiency projects.

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