

Mission Statement: "To encourage and motivate all sectors of New Zealand society to work towards a target of zero waste."

Inside this issue:

Buy it Back Guide	1
Zero Waste in Australia	1
Waste Resource Trust	1
Carter Holt Harvey	2
Hastings District Council	3
Kawhia Expo	3
Zero Waste by Design	3

Buy It Back Guide

At last, there is a guide to buying products made from recycled materials, helping to close the materials loop.

The **Buy it Back Guide**, is a database of products available throughout New Zealand made from recycled materials, and is now available on the Zero Waste New Zealand Trust

BUY IT BACK



Buy Recycled

website. (Button on front page)
 It enables viewers to search for products made from recycled materials both by product category (e.g. gardening products) and by material category (e.g. HDPE plastic). The purpose of the guide is to promote and develop markets for recycled products by providing information about availability, composition and use.

The guide was originally created by Auckland Regional Council and is now maintained by Zero Waste NZ Trust.

If your company makes, distributes, or sells any products that contain recycled materials and it is not included in the database, please contact us at mailbox@zerowaste.co.nz

Zero Waste in Australia

Another community in Australia has joined Canberra and Western Australia in adopting a Zero Waste target. Eurobodalla Shire Council, in New South Wales, has recently adopted a target of Zero Waste to landfill by 2015. The Council aims to reduce waste disposed to its landfill sites by an average of 10% per year during the period July 2001- July 2004.

It is committed to reducing the waste disposed to landfill by 90% during the period July 2001 to July 2011 and subsequently achieving zero waste to landfill by the year 2015.

For further information check out the Zero Waste website under "International".

Waiheke Trust Wins Contracts

On the 27th of April, Auckland City Council announced that the locally based Waste Resource Trust had been successful in its tenders for the Waiheke waste collection and management of the Transfer Station. The tenders were placed in partnership with Community & Business Environment Centre (CBEC) who have run a well-established community programme in Kaitiaia for over 10 years. The Trusts have formed a joint venture company called Cleanstream Waiheke, which will see locals trained as CBEC's role diminishes over time.

This is a major step forward for the community group and shows willingness by Auckland City Council to realise the capacity of community groups and their

Zero Waste Website

www.zerowaste.co.nz

■ New Buy it Back Guide

■ An End to Waste: Zero Waste by 2020 document, under "National Campaign"/ "National Strategy"

■ E Magazine, Zero Waste article, under "Latest News and Events"/ "Articles"

■ "The Job Creation and Income Generation Potential for Recycling and Resource Recovery in New Zealand" report under Resources and Links/ Reports

ability to undertake activities that are of such vital importance to the community.

The Waste Resource Trust was formed in 1998 by members of the community concerned at how waste was managed on Waiheke Island, and at the increasing quantities of waste being transported by barge to landfill in Auckland.

In 1999, the Trust decided to undertake a number of studies to



A waste audit undertaken as part of the Waste Resource Trust's Community Education Workshops measure the quantities and nature of the island's waste and people's attitudes towards waste reduction, to show the potential for a new recycling programme on the island. They held workshops, a Waste Wise vermiculture course for schools, Trash to Treasures Art Exhibitions and a household education trial. A comprehensive survey showed that there was the potential for more than a 50% reduction in the current volumes discharged to landfill and highlighted local's passionate commitment to having a successful recycling and waste minimisation service.

In December 2000, with assistance from Waste Not Limited, the Trust and CBEC successfully tendered for the two seven year contracts, beginning July 1st. They are now working to harness local enthusiasm for waste reduction and to develop effective resource recovery systems based on the experience and expertise of CBEC. For further information, contact Gordon Hodson on 09 372 7332 or hoddo@ihug.co.nz

Zero Waste at Carter Holt Harvey Tissue

By Kevin Wilson, Carter Holt Harvey

Carter Holt Harvey Tissue, New Zealand's leading producer and supplier of commercial and household tissue products such as Purex toilet paper, Sorbent toilet paper and facial tissues, Hygenex and Handee paper towels, and Deeko serviettes, has achieved zero waste to landfill from its operations in Kawerau.

The mill decided in 1996 to adopt a policy of zero waste to landfill. It was this attitude that caused the main breakthrough and within three months of adopting that policy waste to landfill had reduced by about 30% and within eighteen months had reduced by around 90%.

This was achieved through a policy that focussed on reducing waste, and for the solid waste residues that were left, returning them as raw material wherever possible, or putting them to some other use.

For example, prior to pulping, wood chips were screened to separate out the undersize particles. These consisted of tiny slithers of wood called pin chips that were normally sent to landfill. It took little effort to discover that local horse trainers liked the pin chips to put on horse training tracks. It was soft on the horse's hooves and good at absorbing undesirable material from horses. It didn't take long for the demand to exceed the supply. Further research however, showed that they didn't need to be screened out at all and they are now processed into pulp and then

into tissue product.

Similarly baling wire, which is very difficult to handle, is compressed, baled, and recycled as scrap metal, cores from the centre of paper reels are recycled to manufacture linerboard, sack kraft and corrugating media or into energy.

The breakthrough in achieving zero waste however, came with the discovery of Peter Fedricsen of Materials Processing Limited, Hamilton. His commitment to zero waste is total and it is a way of life to him. Very quickly he took all the company's solid waste, sorted it, and recycled it back as raw material wherever possible. Where this was not possible he used it as a biofuel and thereby recycled it back as energy for a neighbouring industrial operation.

The result is that over the last 4 years the waste to landfill has gone from 760 m³/month to zero. This has been the situation for approximately the last year. For further information contact Kevin Wilson, Kevin.Wilson@CHH.co.nz



Carter Holt Harvey Paper Tissue Mill in Kawerau

Electronic Update

If you are currently receiving a hard copy of the Zero Waste Update and would prefer to receive an electronic copy (pdf), please email

sunshine@zerowaste.co.nz

Zero Waste Council Profile: Hastings DC

In November 1999 Hastings District Council officially adopted a Zero Waste policy.

Hastings District has one main recycling facility, Henderson Road Recycling Depot which is located on the perimeter of Hastings City. This site was established in the early 1990s and plays a key part in Hastings Districts waste diversion programme. A number of recycling services are offered at the site, there is a re-use shed which, thanks to the Zero Waste Resource Recovery Centre grant is in the process of being upgraded and expanded.

Twin City compost is sold from the Recycling Depot. This compost is made from green waste diverted through the Henderson Road facility. Each year approximately 3000 tonnes of green waste is diverted from this site for composting. It is the intention of Hastings District Council to divert green waste from its other Refuse Transfer Station within the next year, taking the green waste diversion total to approximately 6000 tonnes per annum.

From the Henderson Road Recycling Depot approximately 1000 tonnes of recyclable commodities are gathered and diverted each year. Glass, card board, paper, plastic, tin, aluminium, used oil, batteries, used clothing, and scrap metal are all collected for recycling. The Re-use Shed at the Recycling Depot is another very effective medium for resource diversion.

Kerbside Recycling in Hastings District, diverting approximately 2000 tonnes per annum, was a fortnightly service until this April when a new weekly collection commenced. Based on overseas experiences it is expected that the

weekly collection will result in a 25% - 30% increase of commodity given the increased frequency and convenience of the service.

Council will continue to expand and enhance its service provision as it progresses towards its zero waste goal. Projects currently being worked on include a Waste Exchange for Hawke's Bay, a Regional Hazardous Waste Management Programme, and a Recycling in Schools programme. For further information contact Nickie Jones, Waste Minimisation Officer, Hastings District Council, 06 878 0500 or nickief@hdc.govt.nz

Kawhia Waste To Recycling Expo

Easter weekend in Kawhia was a hive of activity with two main features, The Pontoon Society Fishing Competition and the Otorohanga District Council Waste To Recycling Expo.

With the local landfill closing, the Otorohanga District Council, which has a Zero Waste target, is implementing a Recycling Centre to disseminate local Kawhia waste.

A Waste to Recycling expo developed and co-ordinated by Pippa Russell of Running Concepts was the first step in public education.

Developed around a sea theme made mainly out of waste the expo had exhibits including, Zero Waste New Zealand Trust, The Maori Perspective, Vermiculture and Composting, Education Video seminars, a waste plastic to products display and a general recycling display.

Most popular were the interactive games developed with education and fun in mind. These included the Separation Game, where participants were given a collection of waste to separate

and the 'There is always Treasure in your Trash' lucky dip. There was also a guess the Plastic game and a colouring competition.

The expo was attended by between 300-400 people.

For further information please contact Pippa on 025 438 198.



Participants in the Kawhia Waste to Recycling Expo activities.

Zero Waste By Design Seminars

Design for the Environment, or EcoReDesign, must be an integral element of any zero waste campaign. For waste to be eliminated, designers will have a vital part to play in designing products for cleaner manufacturing, efficient distribution, disassembly, re-manufacture, re-use and recycling.

On the 30 April and the 1st May, John Gertsakis, the Acting Director of the Centre for Design at the Royal Melbourne Institute of Technology's (RMIT), presented a series of seminars and workshops on Zero Waste by Design to full houses in Christchurch and Auckland. The RMIT has been working closely with industry in Australia, developing a range of EcoReDesigned products and information. The RMIT website at <http://www.cfd.rmit.edu.au> includes a range of product case studies and other resources. The workshops were presented by the Auckland Environmental Business Network and supported by Zero Waste New Zealand Trust. Notes will be posted on our website shortly.

Resources

Kerbside Recycling Review

A thorough cost/benefit analysis of kerbside recycling in Australia has been undertaken in a report entitled "Independent Economic Assessment of Kerbside Recycling in Australia". The key findings of this report is that recycling offers net economic benefits to Australian communities. The assessment places dollar value on environmental and social benefits of kerbside recycling activities and shows a net benefit (financial and environmental) to Australian communities of \$42 per household per year and an overall benefit to Australia of \$266 million per year. The report, prepared for the National Packaging Convent Council, is a valuable contribution to the future direction of kerbside recycling. This report can be downloaded at <http://www.packcoun.com.au/>

International News

Optical Sorter Speeds Paper Recycling

Weyerhaeuser Co. has developed a high-speed optical recycled paper sorting system. This equipment was first installed in a Baltimore recycling plant in 1999, and results have shown that a recycling plant can recoup its initial investment within three to four years, based on lower labour costs and higher margins. From Waste News, April 2, 2001, Volume 6, Issue 44.

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Philippines seeks trash-to-cash scheme

The Philippine's monumental waste problems (Manila, a city of 10 million people, produces about 6,000 tonnes of garbage each day) are spurring innovation in waste management.

Media reports say that 80 percent of Manila's garbage is recyclable. The Philippines' small recycling industry, which has tapped only six percent of that, is already valued at one billion pesos annually and employs 40,000 to 50,000 people.

A number of other uses for the waste are being developed, including a fast-working strain of micro-organism, which converts garbage into compost in six hours; a technology to make hollow building blocks from treated waste and a technology to make "green charcoal" from bio-degradable waste.

<http://www.planetark.org/dailynewsstory.cfm?newsid=10542>

Ohio firm unveils 100% recycled bottle

The Lucas County Commission and Plastic Technologies Inc. introduced the world's first commercially made 100 percent recycled-content plastic bottle on March 30.

The sport water bottle is made from recycled polyethylene terephthalate resin from plastic bottles collected from curbside recycling programs. PTI is the first company in the United States to gain federal approval to manufacture recycled food-grade plastic from curbside PET. From Waste News, April 2, 2001, Volume 6, Issue 44.

Events

Organics 2001

Conference, Ashburton

18th, 19th & 20th May 2001

An exciting three-day programme with speakers, workshops, field trips, an organic banquet and an organic trade expo.

Speakers will include Gerard Gillespie and Peter Rutherford from Australia.

For more information contact Soil and Health Association of NZ, PO Box 323, Ashburton, Fax: 03 308 9989, email organics2001@clear.net.nz or www.ashburton.co.nz/organics2001

NSW Waste Management Conference & Expo 2001

Australian Technology Park, Sydney, Australia, 6th, 7th and 8th June. **Conference theme:** Closing the Loop, **Exhibition theme:** Buy Recycled Expo

For further information see:

www.conference.wasteboards.nsw.gov.au

or contact Kathy Giunta

Ph: 61 2 4628 4588

Fax: 61 2 4628 9925

conference@macwaste.nsw.gov.au

Email distribution list

Zero Waste has set up an email distribution list that will be used to distribute topical information that we feel should get out to our network as quickly as possible. If you are not already on this list and would like to be included, please email Sunshine at

sunshine@zerowaste.co.nz