

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

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Zero Waste at WasteMinz

Zero Waste New Zealand Trust is sponsoring two of the keynote speakers at this year's WasteMinz Conference - Dominic Hogg, Director of Eonomia Research and Consulting, UK, and Graham Mannell, the Policy and Planning Manager of ACT NOWaste by 2010.

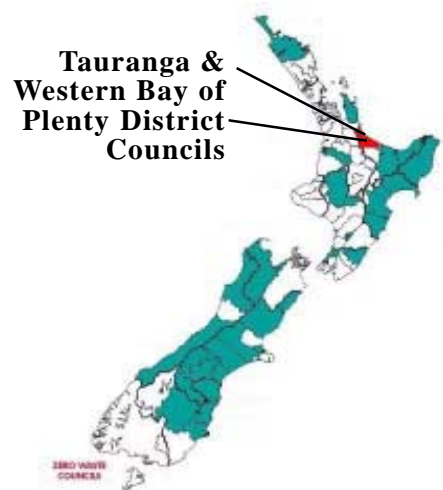
The Conference will be the launch place of the Dunedin Zero Waste Strategy. This strategy, developed by Dunedin City Council in conjunction with Waste Not Limited and Meritec Ltd, provides a framework for Zero Waste Councils to work towards their Zero Waste by 2015 targets.

The conference will also include a workshop for Zero Waste Councils and community groups.

Venue: Christchurch. Dates: 31October - 2 November. For further information contact Carole Ingles on 09 486 6722 or wasteminz@xtra.co.nz. Special rates available for students and community groups.

New Zero Waste Councils

In September, Tauranga District Council and Western Bay of Plenty District Council both adopted targets of Zero Waste by 2015. This brings the total number of Zero Waste Councils to 33 (45% of NZ's Councils) - these Councils include 39% of the country's population.



Auckland City Council Success

Within two months of introducing half size wheelie bins to Auckland residents, Auckland City has reduced waste to landfill by over a third.

A Council survey of Auckland City's waste shows that it has fallen from 18,019 tonnes to 11,810 tonnes to landfill since July.

The survey shows that Aucklanders have supported recycling - with 77% more glass, 57% more plastic and 24% more paper and cardboard being recycled following the scheme's introduction.

The Auckland City Council has been receiving calls from around the world for further information on their success.

For more information contact Lisa Eve at Auckland City Council on 09 379 2020.

Zero Waste Website

www.zerowaste.co.nz

- Examples of **Resource Recovery Centres**, under "Zero Waste Solutions"/"Recycling"/"Resource Recovery Centres"
- **Zero Waste Certificate for Schools** available under "Zero Waste Solutions"/"Schools"
- Don't forget to post your queries on the **Bulletin Board**

Cleaner Production Workshop in South Island

A BusinessCare workshop is being held in Timaru for South Island Councils and community groups on October 9th. The one day workshop is organised by BusinessCare in association with Zero Waste NZ Trust and will be an introduction to the Cleaner Production model. Council participants will be able to review current waste minimisation strategies to see how Cleaner Production can help them reach their Zero Waste goals. The workshop will also encourage the development of a local support network for people involved in Cleaner Production and waste minimisation. For further information contact: Peter Crosland at BusinessCare on 04 801 9162 or peterc@businesscare.org.nz

Stories for the Zero Waste Update are always welcome. If you have a great waste reduction story to share, please contact the Zero Waste office on 09 486 0738 or email sunshine@zerowaste.co.nz

Zero Waste Council Profile: Dunedin CC

In October 1999 Dunedin City Council passed a resolution to join the National Zero Waste Pilot Programme. In partnership with Zero Waste New Zealand Trust, Meritec Ltd and WasteNot Ltd, Dunedin City Council is currently developing a Waste Minimisation - Zero Waste to Landfill by 2015 - Strategy. This strategy will be developed as a generic template that could assist other Councils who are yet to develop plans or commit to Zero Waste.

The strategy aims to provide Dunedin City Council with a living document as well as providing other councils with a tool. Within the strategy is a list of potential programmes. While these can be added to, the strategy will provide the tools to work out the estimated costs and rank the programmes in order of their benefit to reducing waste to landfill. The strategy also takes into account social, cultural and sustainability factors.

The five key areas are identified as:

- Take Direct Action
- Change the Rules
- Foster New Ideas
- Communicate & Educate
- Monitor & Feedback

The Strategy is almost complete and it will be formally launched at the WasteMinz Conference (October 31-November 2). Decisions on ways of making the strategy more widely available and in what forms as a tool are under discussion at present between project partners.

Small Vehicle Transfer Station and Resource Recovery Centre

With funding issues resolved, the development of the Small Vehicle Transfer Station and Resource Recovery Centre at Green Island Landfill is finally becoming a reality. Construction should be underway in October with the facility completed around March 2002. Once completed, small vehicle customers will no longer use the landfill face, which will allow

for more effective management of the disposal area.

The Resource Recovery Centre is an exciting development for this facility. Dunedin City Council was awarded \$25,000 for this facility from Zero Waste NZ Trust, as a 'model resource recovery centre'. While recycling facilities are currently available, access will be improved and it is expected that more landfill users will make use of the more convenient layout and recycling. New to the recycling centre is the development of the still to be named 'shop', which will provide customers the opportunity to stop and shop for reusable items, while at the landfill. A huge array of reusable goods passes through the landfill each year, but at present recovery facilities are unsatisfactory. Other exciting developments in this complex will be the eventual reuse of the previous gas reticulation building as an education centre with attached compost demonstration garden including the development of an interactive waste time tunnel. Land has also been set aside in the plan to develop a large vehicle transfer station if required and a Zero Waste Park area for the future development of incubator waste minimisation businesses.

If you would like to discuss these initiatives with Dunedin City Council contact the Waste Minimisation Officer Angela McErlane on 03 474 3634 or Solid Waste Engineer Julian Doorey on 03 4743744.

Zero Waste Conference 2002

The third Zero Waste Conference is being planned for April/May 2002 and will be held in Palmerston North. Further information on this conference will be posted shortly.

Raglan Waste Halved

A year after gaining the contract to run Raglan's transfer station, recycle centre and kerbside collection, X-treme Waste, Raglan's Zero Waste Community Group, has already achieved a 52% diversion of waste to landfill.

In an Annual Report designed to provide feedback to the local community and stakeholders, X-treme Waste has outlined a number of their successes, including:

- Diverting 52% of all Raglan's solid waste from landfill
- Diverting 73% of all solid waste passing through the Transfer Station
- Recycling or reusing approximately 6,100 cubic metres of materials



*X-treme
Waste's
Collection
Truck*

- Finding markets or homes for all products diverted from landfill, apart from some of the wood and compost.
- Over the last twelve months, X-treme Waste has spent \$34,739 in local shops and businesses and \$35,254 on local contracts.
- X-treme Waste currently employ thirteen local people in part-time jobs. This equates to approximately 4.5 full time equivalents.
- \$93,071 has been spent on local salaries (research figures suggest these local salaries go around the small West Coast community at least 2.5 times before disappearing over the hill)
- Many items have been gifted to the local Kohanga Reo, Schools, Kindergartens, Community House, Wardens and Environment Centre.
- Two rural recycle collection points have been established, as well as a business collection system, events collection options and a waste network

- The weekly kerbside collection started at 200 houses and has increased to over 600
- Nearly every business that creates a significant amount of waste uses X-treme Waste's collection systems
- A pre-paid rubbish bag system has been established and has resulted in a corresponding drop in rates
- A comprehensive education campaign has been undertaken

For further information on X-treme Waste, contact Pine Campbell or Rick Thorpe on 07 825 0017 or pine.campbell@xtra.co.nz or lizrick@wave.co.nz

North Shore Takes Cleaner Production Lead

In April this year North Shore City Council set up the country's first full-scale BusinessCare programme, targeting businesses along Takapuna's busy Barry's Point light industrial area. Aimed at assisting businesses reduce solid waste outputs, as well as water and power consumption, the project is being run in conjunction Waste Not Ltd and Envision.

On joining the project, businesses received a visual audit of their premises and a tailored waste reduction plan. The initial waste audits showed that about 80% of the businesses' waste could be recycled. Contacts for recyclers were provided to the businesses as well as recycling bins and paper recycling boxes.

A variety of unusual and offbeat solutions were also suggested to the businesses, to take into account some of the less typical wastes, says Duncan Wilson of Waste Not Ltd. These included sending neoprene and material off cuts from a windsurf shop to a local punching bag manufacturer. Businesses received a follow up visit one month after the initial audit and a second audit will be conducted in three months time.

For further information contact Danielle Kennedy at North Shore City Council on 09 486 8400 or kennedyd@nthshore.govt.nz or Duncan Wilson at Waste Not Ltd on 09 486 3635 or wastenot@xtra.co.nz

Fisher and Paykel Disassemble

The vision of CEO Gary Paykel and his board of directors coupled with an enthusiastic team of staff and dealers has turned disposal of unwanted whiteware appliances from a possible environmental nightmare into cost recovery mode.

Fisher & Paykel's North Island take-back programme has not only solved potential landfill problems, it has provided the appliance company with a strong marketing point-of-difference with its competitors.

George Gray, manager of Fisher & Paykel's East Tamaki Recycling Centre says: "We now annually recycle materials from 25,000 dead appliances which would otherwise occupy some 20,000 cubic metres of landfill and cause significant impact on the contamination of leachates from lead, copper and iron, as well as additional emissions of CFCs to the environment."

Recovered packaging, some 75,000 pieces per year, is reused directly by the company - up to four times - for packaging new products while other recovered and separated materials are sold to various merchants for reprocessing and recycling.

Says George Gray: "Almost nothing goes to the tip."

And that's not surprising, given that, for example, 322 tonnes of plastic componentry and packaging recycled last year would have cost the company \$60,000 to dump in a landfill. Carefully separated in strategically placed bins, those plastics actually returned the company \$160,000.

There are two systems for collection and recycling: -

- Appliances from the Auckland region are trucked to the East Tamaki recycling centre for breakdown and separation of all componentry.

- Appliances from out of Auckland are consolidated in regional depots where they are crushed (like car bodies) for transport to Sims Pacific Metals in Otahuhu. There they go

through a sophisticated metal recycler which automatically extracts iron, steel, copper and aluminium in a single operation.



Fisher and Paykel's Disassembly line

For further information check out the Zero Waste website under "Zero Waste Network"/ "Businesses" or contact George Gray on 09 273 6877 or george.gray@fp.co.nz

Zero Waste in Canada

Warren Snow, a Trustee of Zero Waste New Zealand, was keynote speaker at the **21st Century: A Zero Waste Fantasy?** conference held in Edmonton, Canada in late September. Warren went to update the conference on New Zealand's Zero Waste achievements and during his visit was able to investigate some of Canada's waste reduction initiatives, including their impressive Product Stewardship programmes.

Stewardship Programmes in Manitoba, Canada

In 1990 the Province of Manitoba, in central Canada, passed the Waste Reduction and Prevention Act (WRAP), allowing regulations to be developed in support of waste reduction and prevention.

Since then, Manitoba has seen considerable growth in the waste reduction and recycling sector including three significant Product Stewardship Programmes.

1. The Manitoba Product Stewardship Corporation (MPSC), which collects a two-cent WRAP levy on all non-de-

posit beverage containers in Manitoba. It uses these funds to maximise residential recycling and provides funding to local recycling programmes.

2. Manitoba Association for Resource Recovery Corporation (MARRC). This is a non-profit corporation established by manufacturers and marketers of lubricating products in Manitoba. It derives revenue from Environmental Handling Charges applied to the sale of lubricating products and uses this revenue to administer a province-wide collection programme for used oil, used filters and used oil containers. Within its first year of operation, MARRC lifted used oil recovery from 30% to 80%.

3. Manitoba Tyre Stewardship Board. This organisation collects a \$3 levy on all tyres sold in Manitoba. The Board then works with stakeholders to develop solutions to scrap tyre management problems, and revenues from the levy are paid out for solutions delivered by the industry. In the year 2000-2001, over \$2 million in tyre levies was collected and about 9,374 tonnes of scrap tyres were diverted from landfills.

A Household Hazardous Waste Stewardship Programme is also being developed in Manitoba.

Further information on these initiatives can be found on the Zero Waste website: www.zerowaste.co.nz under "Resources and Links"/"Reports and Information"/"Stewardship Programmes"

Resources

Recycling is worth the effort

EcoRecycle, Melbourne, has released a report on the 'worth of recycling', examining recycling in the context of economic and environmental sustainability.

The report finds that every week, one recycling household in Victoria saves:

- Over three kilograms of greenhouse gases such as CO₂ that would otherwise contribute to global warming.

- Enough electricity to run a 40 watt light bulb for 72 hours.

- Air pollution equivalent to emissions from 4.5kms of travel in an average post 1985 passenger car.

- Over ninety litres of water, enough to wash five sink loads of dishes

- And 3.6 kilograms of solid waste. How? Simply by recycling instead of sending these valuable resources to landfill.

The report also outlines the environmental impact in dollar terms and how the environmental savings are made.

For a copy of the full report or a summary, visit

www.ecorecycle.vic.gov.au or contact Zero Waste NZ Trust.

Cleaner Production Resources Available

Waitakere City Council has produced a number of Cleaner Production Resources, which it is making available for other Councils to purchase.

These resources include:

- * **The Better Restaurant and Café Guide** and accompanying poster, educating food outlets on waste minimisation, recycling, efficient energy use, reducing water and other environmentally friendly actions.

- * **Purchasing 'green' printing Guide**

- * **The Better Business Guide to Cleaner Production** (Brochure)

- * **The Green Retail Guide** (Brochure)

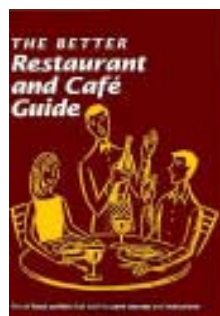
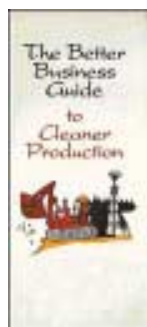
- * **Ways to Save the Planet** (Brochure)

- * **Sustainable Buildings**

- * **Sustainable Homes**

For further information on these resources or to place an order, contact Michelle Dawson on

cleaner.production@waitakere.govt.nz



Envirofunds

A full list of environmental and conservation funding sources in New Zealand is now available on the EnviroFunds website at www.envirofunz.org.nz

EnviroFunds was created by the Funding Information Service and builds on their FundView and BreakOut databases which provide full lists of funding agencies in New Zealand.

International News

Green Dot

In 1992 France set a target of 75% reduction in packaging waste to landfill by 2002. To work towards the target, the Green Dot scheme was established. The Green Dot (Point Vert) scheme involves the labelling of participating packaging and its sorting, collection and recycling. Companies join the programme and pay a fee calculated on the weight and ease of recycling of their packaging. These funds are then distributed to collector and sorters nationwide. A three part waste collection system has been established throughout France, facilitating the separate collection of glass, other packaging (including paper, cardboard, plastic packaging, steel and aluminium cans) and waste. A number of other European countries including Germany, Austria, Belgium and Luxemburg, are also members of the scheme.

To date, 70% of packaging waste is collected and over 9,500 companies are members of the programme.

At this stage however, not all collected packaging is recycled - a certain amount is sent to waste to energy incinerators.

Zero Waste

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