

# Solid Waste Management

## Why we do it

**To ensure the sustainable management of the district's waste by reducing waste at source, minimising waste generation, maximising opportunities to use waste as a resource and minimising the amount of waste sent to landfill (with a target of zero waste by 2015), in a manner that protects public health and the environment.**

The zero waste target refers to 'absolute minimisation of residual waste', ie, waste that has no potential to be used as a resource.

## What we do

The aims and objectives of the Solid Waste Activity are outlined in the Waste Management Plan (2005) for Gisborne District. The Plan promotes the integrated management of the solid waste resources based on the international waste management hierarchy of:

- ▶ reducing the amount and toxicity of material entering the waste stream
- ▶ reusing as much as possible
- ▶ recycling the material that cannot be used
- ▶ recovery of resources
- ▶ disposal of residual waste in an environmentally sound way.

In the Plan, solid waste also includes hazardous waste and semi-liquid special wastes.

This activity includes kerbside refuse bag and recycling bin collection in the Gisborne urban area, parts of the Poverty Bay Flats and Ruatōria, the operation of transfer stations including recycling and reuse services, litter collection and street cleaning, residual waste disposal, hazardous waste management, education and zero waste initiatives.

Private operators are responsible for all waste collection, recycling and disposal services mentioned above, under contract to the Council. Council is responsible for setting and ensuring waste objectives and targets are met and for carrying out education, trial projects, assisting community initiatives and awareness raising in the community. The Council owns nine rural transfer stations (the City transfer station being privately owned) and one operating landfill. Council manage the aftercare of one landfill which is on a privately owned site.

## Community Outcomes

This activity contributes to the following community outcomes:



Connected  
Tairāwhiti



Environmentally  
Sustainable  
Tairāwhiti

## Where we are now

### Integrated Management

- ▶ The Council has an adopted Waste Management Plan which includes objectives and policies as well as strategies and a detailed implementation plan for achieving environmentally sustainable waste management in the region. This plan is due to be reviewed in 2010.
- ▶ Data maintenance and assessment is important to review trends and progress.
- ▶ This activity includes operational services such as recycling as well as community programmes for waste reduction such as education in schools, waste reduction in businesses and home composting.

### Collection and Disposal

- ▶ Council provides bagged rubbish and recycling bin collection for residential properties in the city, parts of the Poverty Bay Flats and Ruatōria. Users of the service pay through their Council rates.
- ▶ Council provides for rural areas not serviced by a kerbside collection access to rural transfer stations which include recycling and diversion facilities.

- ▶ Users of the Gisborne Resource Recovery Transfer Station can dispose of domestic quantities of recyclables for free but have to pay disposal charges for non-recyclables. There are no disposal charges at rural transfer stations. However, access is limited to local residents.
- ▶ All residual waste is disposed to landfill at Tirohia Landfill (near Paeroa) for Gisborne's waste and at the Waiapu Landfill at Ruatōria for the East Coast townships.

### Promotion, Publicity and Education

- ▶ This activity includes the 'Rethink Centre' for environmental education as well as community programmes for waste reduction such as education in schools, waste reduction in businesses and home composting.

### Litter Collection and Street Cleaning

- ▶ Litter collection from public areas (including the CBD, other retail areas and townships), the emptying of about 265 litter bins and pavement washing is carried out by contract.
- ▶ This activity also involves anti-litter education and advocating community support such as adopt-a-spot programme.

### Hazardous Waste

- ▶ Education, advice and monitoring and enforcement are used to reduce and manage hazardous waste so that risks and adverse effects are minimised.
- ▶ A facility to assist in reuse and effective collection, treatment and disposal of hazardous waste is still intended to supplement current systems.

### Semi-Liquid Special Waste

- ▶ The Wastewater Activity Management Plan deals with septage and wastewater sludge.
- ▶ Other semi-liquid waters are being managed through provision of facilities (campervan waste), education and monitoring and enforcement.

## Where we want to be

To be undertaking waste management and minimisation activities that:

- ▶ meet the goals and objectives of the Gisborne Waste Management Strategy (2005), and the Waste Management and Minimisation Strategy once it has been prepared
- ▶ reduce the waste volumes going to landfill to zero by 2015. This refers to the whole waste stream, not just the portion controlled by the Council through the kerbside collections and transfer stations.

To have increased public awareness and sense of responsibility in relation to waste minimisation, utilising the funding opportunities presented by the Waste Minimisation Act 2008.

To have clean and litter free public spaces.

To have increased the district's capacity to deal with its hazardous waste.

To have facilities and systems to deal with semi-liquid special waste to minimise adverse environmental effects.

## How we plan to get there

By reviewing the Waste Management Plan and preparing the new Waste Management and Minimisation Strategy in accordance with the new Act.

By maximising funding and project opportunities presented by the Waste Minimisation Act 2008 including:

- ▶ using the levy to fund educational programmes, trials and incentives
- ▶ applying to the Contestable fund to carry out specific projects
- ▶ updating educational resources and programmes
- ▶ progressing producer responsibility schemes.

By reducing waste at source through maintaining Council controlled sticker/charging systems, education, trials and assistance.

By working with Transpacific AllBrite to ensure the recent upgrade of the Resource Recovery Centre (RRC) is fully utilised in accordance with contractual requirements. Review the suitability of the RRC to divert the material from the waste stream and its potential to expand to include material that may be able to be diverted in the future.

By increasing the capacity of the Waiapu Landfill, thereby extending its current life by 10 years to 2022.

By investigating the provision of a new hazardous waste facility. To continue with a polluter pays approach for spills and inappropriate management of hazardous waste.

### **SUMMARY - ASSESSMENT OF WATER and SANITARY SERVICES : SOLID WASTE MANAGEMENT**

The requirements for Sanitary Assessments for Solid Waste have been fully covered by Council's "Waste Management Plan 2005" and therefore under section 128(3)b of the Local Government Act, an assessment of this sanitary service is not required.

The key elements of the Council's Waste Management Plan 2005 are included in this Activity Statement.

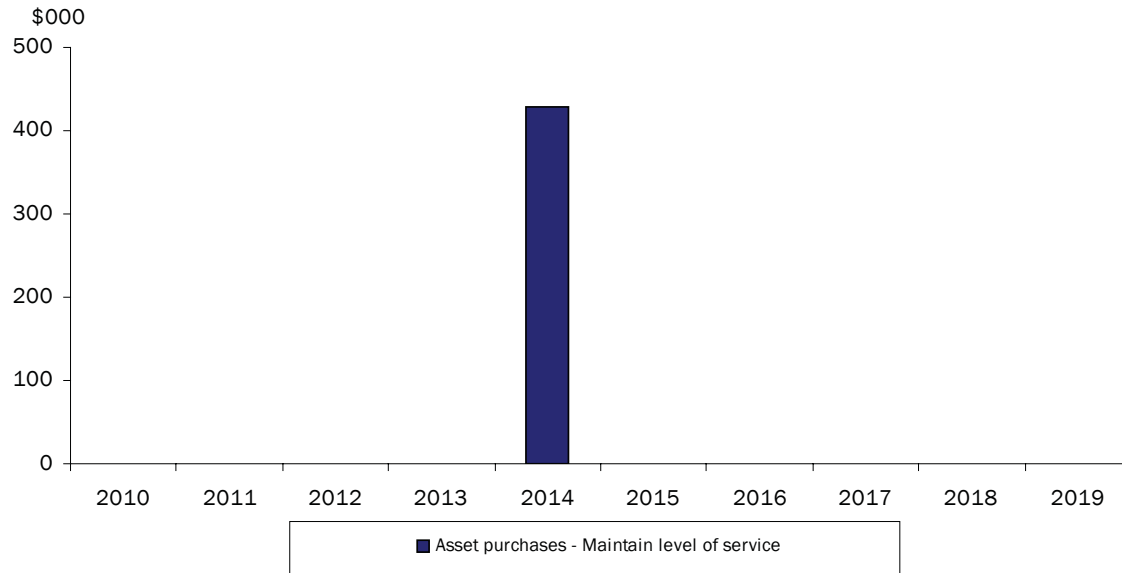
### **Significant negative effects**

There are no significant negative effects from this activity.

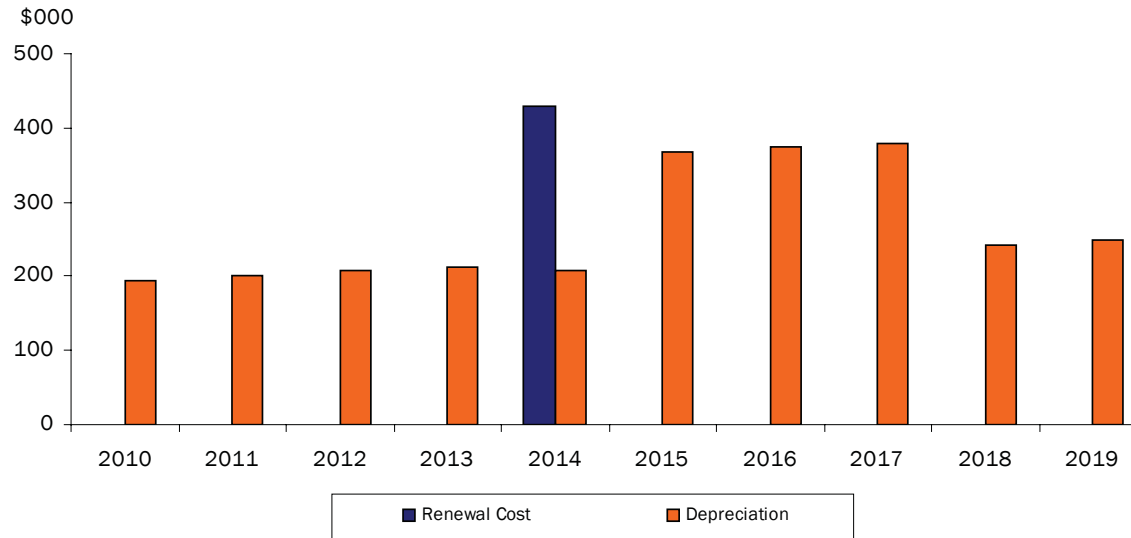
## Summary of Forecasted Financial Performance for 10 Years 2010 to 2019

	2010 \$000	2011 \$000	2012 \$000	2013 \$000	2014 \$000	2015 \$000	2016 \$000	2017 \$000	2018 \$000	2019 \$000
<b>SOLID WASTE/WASTE MINIMISATION</b>										
<b>OPERATIONS</b>										
<b>Operating Revenue</b>										
Activity revenue	-436	-451	-461	-472	-482	-493	-504	-516	-528	-541
Grants and subsidies	0	0	0	0	0	0	0	0	0	0
Other revenue	0	0	0	0	0	0	0	0	0	0
<b>Total Operating Revenue</b>	<b>-436</b>	<b>-451</b>	<b>-461</b>	<b>-472</b>	<b>-482</b>	<b>-493</b>	<b>-504</b>	<b>-516</b>	<b>-528</b>	<b>-541</b>
<b>Operating Expenditure</b>										
Depreciation	195	201	207	212	208	368	374	380	243	248
Interest	782	773	761	748	747	740	713	686	659	631
Operating costs	3,634	3,760	3,849	3,942	4,025	4,113	4,208	4,305	4,407	4,518
<b>Total Operating Expenditure</b>	<b>4,611</b>	<b>4,734</b>	<b>4,817</b>	<b>4,902</b>	<b>4,980</b>	<b>5,221</b>	<b>5,295</b>	<b>5,371</b>	<b>5,309</b>	<b>5,397</b>
<b>Net Internal Charges/Recoveries</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Net Cost of Service</b>	<b>4,175</b>	<b>4,283</b>	<b>4,356</b>	<b>4,430</b>	<b>4,498</b>	<b>4,728</b>	<b>4,791</b>	<b>4,855</b>	<b>4,781</b>	<b>4,856</b>
<b>Funded by:</b>										
Rates income	-4,103	-4,205	-4,780	-4,849	-5,175	-5,642	-5,699	-5,757	-4,899	-4,731
Transfers to/from reserves	90	90	90	90	90	90	90	90	90	90
Depreciation not funded	-162	-168	-174	-179	-175	-192	-198	-204	-210	-215
(Increase)/decrease in deficits carried forward	0	0	508	508	762	1,016	1,016	1,016	238	0
<b>Total Operations Funding</b>	<b>-4,175</b>	<b>-4,283</b>	<b>-4,356</b>	<b>-4,430</b>	<b>-4,498</b>	<b>-4,728</b>	<b>-4,791</b>	<b>-4,855</b>	<b>-4,781</b>	<b>-4,856</b>
<b>CAPITAL</b>										
<b>Capital outgoings</b>										
Asset purchases - Maintain level of service	0	0	0	0	429	0	0	0	0	0
<b>Total Asset Purchases</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>429</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Loan repayments	90	180	180	180	270	385	385	385	385	385
<b>Total Capital Outgoings</b>	<b>90</b>	<b>180</b>	<b>180</b>	<b>180</b>	<b>699</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>
<b>Funded by:</b>										
Rates income	0	-90	-90	-90	-180	-274	-274	-274	-274	-274
Development contribution income	0	0	0	0	0	0	0	0	0	0
Transfers to/from development contribution reserve	0	0	0	0	0	0	0	0	0	0
Capital grants and donations	0	0	0	0	0	0	0	0	0	0
Other capital revenue	0	0	0	0	0	0	0	0	0	0
Loan funding	0	0	0	0	-429	0	0	0	0	0
Transfer from depreciation reserve	0	0	0	0	0	-21	-21	-21	-21	-21
Transfer to/from other reserves	-90	-90	-90	-90	-90	-90	-90	-90	-90	-90
<b>Total Capital Funding</b>	<b>-90</b>	<b>-180</b>	<b>-180</b>	<b>-180</b>	<b>-699</b>	<b>-385</b>	<b>-385</b>	<b>-385</b>	<b>-385</b>	<b>-385</b>

## Total Capital Projects



## Depreciation v Renewal Capital Projects



## Capital Expenditure Programme

Description	LOS	Total Cost	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Loan & Reserve Funding
<b>SOLID WASTE/WASTE MINIMISATION</b>													
Waiapu Landfill - Stage 3	MAINT	429,000					429,000						100%
<b>Totals:</b>		<b>429,000</b>					<b>429,000</b>						
<b>Grand Total:</b>		<b>429,000</b>					<b>429,000</b>						

## Asset management

This activity has a comprehensive asset/ activity management plan which is the key tool for ensuring that capital funding and existing assets are used as efficiently and effectively as possible.

## SOLID WASTE MANAGEMENT

Levels of Service Statement	Performance Measure		Current Performance	Targets				Mechanism to Achieve Target
	Customer	Technical		Yr 1 2009-10	Yr 2 2010-11	Yr 3 2011-12	Yr 4-10 2012-18	
<b>LOS (1) - Reliability</b> To provide community recycling facilities and regular kerbside collections to encourage recycling and waste reduction.	Percentage of Requests for Service resolved within target timeframes.		92% (2008)	92%	93%	95%	95%	Review contract management. Internal efficiencies.
	Percentage of customers who rate RFS responses as excellent/good.		89% (2008)	89%	90%	92%	95%	Review contract management. Internal efficiencies.
	Percentage of residents who are very/fairly satisfied with rubbish bag collection.		67% (June 2008)	67%	Not Measured	70%	Year 4 - N/M Year 5 - 10 75%	Review contract management.
	Percentage of residents who are very/fairly satisfied with Council's recycling collection and facilities.		85% (June 2008)	85%	Not Measured	85%	Year 4 - N/M Year 5 - 10 90%	Review contract management. Capital upgrade of AllBrites.
		Percentage of kerbside collection waste separated as recyclables (city and environs).	46%	48%	50%	52%	>57%	<ul style="list-style-type: none"> <li>■ Public education.</li> <li>■ Alternatives and incentives.</li> <li>■ Partnership and Contract with Transpacific Allbrite Ltd (TAB).</li> <li>■ Review quantities per sticker.</li> </ul>
		Total waste to landfill (via city RRTS).	14,000 tonnes	12,000 tonnes	12,000 tonnes	8,000 tonnes	<4,000* tonnes	Capital upgrade of AllBrites.
		Percentage of waste from rural transfer stations and Ruatōria collections separated as recyclables.	32%	Increasing	Increasing	Increasing	38% - 47%	Targeted education/behaviour change. Improved site layout. Review charging.
<b>LOS (2) - Health and Safety</b> To provide clean safe footpaths with a network of litter bins and ensure litter free public places.		Cleaning of town commercial areas and suburbs meet contract timetable and contract specifications.	Achieved (2008)	Achieved	Achieved	Achieved	Achieved	