

## Refuse & Recycling

### Goal

To progressively decrease the volumes of solid waste landfilled in the district, with a view to ultimately achieving zero waste to landfill.





### What we do

There is one landfill in the Kaikoura district, plus a resource recovery centre, located on Scarborough St. The landfill has resource consent to operate until 2034. The day to day management of the landfill and recovery centre is undertaken by Innovative Waste Kaikoura Ltd (IWK) under contract. IWK also provides weekly kerbside recycling collection services within the urban area and the Oaro village, additional commercial and rural recycling pickups, and is responsible for the emptying of public rubbish bins and recycling stations throughout the district.

### Why we do it

There is a legislative requirement for Councils to encourage efficient waste management (s538 Local Government Act 1974 still in force), and in doing so, Councils have the option of operating landfill sites, or contracting these services out.

### Effects on the Community

<b>Economic</b>		The promotion of Kaikoura as a zero waste district has boosted our profile internationally and arguably therefore has also generated increased visitor numbers
<b>Environmental</b>		Kaikoura continues to maintain high levels of diversion from landfill, and is a leader in reduce, reuse, recycle initiatives
<b>Social</b>		Our recycling initiatives have culminated in an intense community pride in our zero waste achievements
<b>Cultural</b>		The goal of zero waste has in itself become embedded in the culture of our community

## Refuse & Recycling

Kaikoura's Resource Recycling Centre is the culmination of Council's Zero Waste Policy, which was adopted in 1999 with the mission to achieve zero waste within 20 years. Where previously there existed only a dump, the site now hosts a composting facility for green waste and organics, a second-hand goods shop, a recycling centre able to cater for anything recyclable, a hazardous waste disposal facility, and a small native plant nursery to assist the Trees for Travellers biodiversity program.

The Resource Recycling Centre has, since its instigation, had significant environmental, social, cultural and economic benefits for the community. IWK diverts at least 60% of the waste stream from the landfill, and aims to increase that to 80% over the next few years.

Council has a Zero Waste Management Plan, which emphasises the Zero Waste vision of reducing, reusing, and recycling. A copy of this Plan is included in the Appendices to this Community Plan.

In its mission to achieving zero waste to landfill, Council has ceased to provide any household rubbish collection service. In its place, to encourage recycling, there is a kerbside recycling pickup service undertaken weekly within the urban area, and to the north and south via the State Highway system, and most commercial properties can specify pickup times for their recyclable materials.

Kaikoura was the first District to establish recycling in public places. Bins for paper, plastics, tin and glass have been established in high profile areas, and rubbish bins have progressively been installed throughout the West End and on coastal reserves.

### Major Projects in the next three years:

Capital Projects	Cost	Funded by
Transfer Station (Reconfiguration of Site)	\$228,600	Loan, development contributions and reserves
Cell Capping and Aftercare	\$202,875	

It is currently assumed that, despite best efforts to divert solid waste away from the landfill, the site will have reached capacity in 2012. Therefore the site will need to be reconfigured as a transfer station, and any waste will be freighted to a regional landfill in Canterbury. The timing of this will be highly dependant on actual need, and it is entirely conceivable that this work will be required much earlier. The ten year capital projects are outlined in the forecast cost of service statements.

### Council Assets and How They Will Be Managed

Council owns the landfill site and most of the buildings on it. IWK owns the plant & equipment, and some of the buildings and improvements. IWK is responsible for the day-to-day maintenance of the site, and this is anticipated to continue for the foreseeable future.

### Significant Potential Negative Effects

The site occasionally emits some smell, however this is minimised by compacting waste into bales which are then buried, and by composting organic waste. High winds can generate wind blown debris. A pump has been installed to minimise leachate problems (seepage of rotting material into the ground).

## Community Outcomes

Refuse & Recycling contributes to:

- Sustainable Development
- Environmental Protection & Enhancement

For an understanding of how this activity contributes to these outcomes, please see pages 120 to 121.

## How is it Funded?

### Operating Expenses Funded by:

Recycling Charges

Public Rubbish Bin Charges

Uniform Annual General Charges

Waste Levy

### Capital Expenses Funded by:

Uniform Annual General Charges

Loan

Development Contributions

Reserves

A loan of \$302,813 may be raised in 2011/12 to fund the reconfiguration of the site to a transfer station, and the cell capping and aftercare of the landfill.

A new rating system is to take effect on 1 July 2009, and this means that there are new targeted rates in relation to the weekly kerbside recycling collection, the rural recycling pickups, and the emptying of public rubbish bins.

Under the Waste Minimisation Act 2008 a new waste levy will be charged on landfill operators, and half of this will then be paid back to local authorities to undertake waste minimisation initiatives.

## Levels of Service

	Base Line	2009/10 Target	2010/11 Target	2011/12 Target	10 Year Target
Provision of a weekly recycling kerbside collection service to the Kaikoura township and Oaro village	100%	100%	100%	100%	100%
Provision of a fortnightly rural recycling pickup service from various locations to the north and south	100%	100%	100%	100%	100%
The Resource Recovery Centre is open at least 356 days per year	356	356	356	356	356

It has been suggested that the rural recycling pickup be extended to the Inland Rd area and “the flats”, no additional budget has been provided for this eventuality.

**Performance Measures to assess progress towards achievement of Community Outcomes**

Community Outcome	How the Refuse & Recycling Activity Contributes	Performance Measure	Target																								
<p><b>Sustainable Development</b></p>	<p>Provide and plan for good quality, cost efficient infrastructure, facilities, amenities and services that meet the needs of the community now and into the future.</p>	<p>Percentage of residents surveyed who are satisfied with the Resource Recovery Centre</p>	<table border="1"> <caption>Percentage of Residents Satisfied with the Resource Recovery Centre</caption> <thead> <tr> <th>Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Baseline</td> <td>80%</td> </tr> <tr> <td>2009/10</td> <td>80%</td> </tr> <tr> <td>2010/11</td> <td>80%</td> </tr> <tr> <td>2011/12</td> <td>80%</td> </tr> <tr> <td>2012/13</td> <td>80%</td> </tr> <tr> <td>2013/14</td> <td>80%</td> </tr> <tr> <td>2014/15</td> <td>80%</td> </tr> <tr> <td>2015/16</td> <td>80%</td> </tr> <tr> <td>2016/17</td> <td>80%</td> </tr> <tr> <td>2017/18</td> <td>80%</td> </tr> <tr> <td>2018/19</td> <td>80%</td> </tr> </tbody> </table>	Year	Percentage	Baseline	80%	2009/10	80%	2010/11	80%	2011/12	80%	2012/13	80%	2013/14	80%	2014/15	80%	2015/16	80%	2016/17	80%	2017/18	80%	2018/19	80%
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<p><b>Environmental Protection and Enhancement</b></p>	<p>Continue our commitment to Zero Waste, and implement the Waste Minimisation and Management Plan, based on the hierarchy of “Reduce, Reuse, Recycle, Recover, including planning for future treatment and disposal options.</p>	<p>Percentage of waste material diverted from landfill</p>	<table border="1"> <caption>Percentage of Waste Material Diverted from Landfill</caption> <thead> <tr> <th>Year</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Baseline</td> <td>65%</td> </tr> <tr> <td>2009/10</td> <td>70%</td> </tr> <tr> <td>2010/11</td> <td>75%</td> </tr> <tr> <td>2011/12</td> <td>75%</td> </tr> <tr> <td>2012/13</td> <td>80%</td> </tr> <tr> <td>2013/14</td> <td>85%</td> </tr> <tr> <td>2014/15</td> <td>90%</td> </tr> <tr> <td>2015/16</td> <td>95%</td> </tr> <tr> <td>2016/17</td> <td>95%</td> </tr> <tr> <td>2017/18</td> <td>95%</td> </tr> <tr> <td>2018/19</td> <td>100%</td> </tr> </tbody> </table>	Year	Percentage	Baseline	65%	2009/10	70%	2010/11	75%	2011/12	75%	2012/13	80%	2013/14	85%	2014/15	90%	2015/16	95%	2016/17	95%	2017/18	95%	2018/19	100%
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<p><b>Environmental Protection and Enhancement</b></p>	<p>Continue our commitment to Zero Waste, and implement the Waste Minimisation and Management Plan, based on the hierarchy of “Reduce, Reuse, Recycle, Recover, including planning for future treatment and disposal options.</p>	<p>Solid Waste taken to landfill (tonnes produced per resident and visitor)</p>	<table border="1"> <caption>Solid Waste taken to Landfill (tonnes produced per resident and tourist)</caption> <thead> <tr> <th>Year</th> <th>Value (tonnes)</th> </tr> </thead> <tbody> <tr><td>Baseline</td><td>0.35</td></tr> <tr><td>2009/10</td><td>0.32</td></tr> <tr><td>2010/11</td><td>0.29</td></tr> <tr><td>2011/12</td><td>0.26</td></tr> <tr><td>2012/13</td><td>0.23</td></tr> <tr><td>2013/14</td><td>0.20</td></tr> <tr><td>2014/15</td><td>0.17</td></tr> <tr><td>2015/16</td><td>0.14</td></tr> <tr><td>2016/17</td><td>0.11</td></tr> <tr><td>2017/18</td><td>0.08</td></tr> <tr><td>2018/19</td><td>0.05</td></tr> </tbody> </table>	Year	Value (tonnes)	Baseline	0.35	2009/10	0.32	2010/11	0.29	2011/12	0.26	2012/13	0.23	2013/14	0.20	2014/15	0.17	2015/16	0.14	2016/17	0.11	2017/18	0.08	2018/19	0.05
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<p>Preserve and enhance the scenic and amenity values of the district by ensuring that coastal reserves and public places are clean and free of waste and litter</p>	<p>The percentage of residents satisfied with the absence of litter in public places</p>	<table border="1"> <caption>Percentage of Residents Satisfied with the Absence of Litter in Public Places</caption> <thead> <tr> <th>Year</th> <th>Value (%)</th> </tr> </thead> <tbody> <tr><td>Baseline</td><td>80</td></tr> <tr><td>2009/10</td><td>80</td></tr> <tr><td>2010/11</td><td>80</td></tr> <tr><td>2011/12</td><td>80</td></tr> <tr><td>2012/13</td><td>80</td></tr> <tr><td>2013/14</td><td>80</td></tr> <tr><td>2014/15</td><td>80</td></tr> <tr><td>2015/16</td><td>80</td></tr> <tr><td>2016/17</td><td>80</td></tr> <tr><td>2017/18</td><td>80</td></tr> <tr><td>2018/19</td><td>80</td></tr> </tbody> </table>	Year	Value (%)	Baseline	80	2009/10	80	2010/11	80	2011/12	80	2012/13	80	2013/14	80	2014/15	80	2015/16	80	2016/17	80	2017/18	80	2018/19	80	
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In addition to the above performance measures towards the achievement of community outcomes, Council will also measure its levels of service for each of its activities.

## Forecast Cost of Service Statement

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Operating Expenses</b>										
<u>Refuse &amp; Recycling</u>										
Operations	346,508	347,701	348,377	349,311	362,600	376,430	391,010	406,233	422,278	439,116
Loan Interest	7,184	6,049	29,433	29,433	28,037	26,256	26,256	23,477	22,063	22,063
Depreciation	4,675	4,567	5,180	5,793	6,114	6,220	6,328	6,664	6,774	6,886
	<b>358,367</b>	358,318	382,989	384,537	396,751	408,906	423,594	436,374	451,116	468,064
<b>Funded by:</b>										
User Fees & Charges	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500
Targeted Rates	77,000	77,000	77,000	77,000	78,771	80,662	82,597	84,580	86,694	88,862
Development Contributions	0	0	19,683	20,155	20,619	21,114	21,621	22,139	22,693	23,260
	<b>90,500</b>	90,500	110,183	110,655	112,890	115,275	117,718	120,219	122,887	125,622
<b>Operating Surplus/(Deficit)</b>	<b>-267,867</b>	<b>-267,818</b>	<b>-272,806</b>	<b>-273,882</b>	<b>-283,861</b>	<b>-293,631</b>	<b>-305,876</b>	<b>-316,155</b>	<b>-328,229</b>	<b>-342,443</b>
<b>Capital Expenditure</b>										
New/Upgrade Assets	0	0	228,600	0	0	0	0	0	0	0
Renewals	22,500	22,500	157,875	22,500	22,500	22,500	22,500	22,500	22,500	22,500
Loan Principal	6,472	6,325	16,355	16,355	16,793	16,793	16,793	15,614	15,614	15,614
	<b>28,972</b>	<b>28,825</b>	<b>402,830</b>	<b>38,855</b>	<b>39,293</b>	<b>39,293</b>	<b>39,293</b>	<b>38,114</b>	<b>38,114</b>	<b>38,114</b>
<b>Funded by:</b>										
General Rates	277,165	292,076	303,665	327,099	337,659	347,818	360,462	369,745	382,262	396,932
Transfer from/(to) Reserves	15,000	0	54,138	-20,155	-20,619	-21,114	-21,621	-22,139	-22,693	-23,260
Loan	0	0	312,654	0	0	0	0	0	0	0
Depreciation	4,675	4,567	5,180	5,793	6,114	6,220	6,328	6,664	6,774	6,886
Operating Surplus/(Deficit)	<b>-267,867</b>	<b>-267,818</b>	<b>-272,806</b>	<b>-273,882</b>	<b>-283,861</b>	<b>-293,631</b>	<b>-305,876</b>	<b>-316,155</b>	<b>-328,229</b>	<b>-342,443</b>
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