

Activity 8.1: Residual Waste Collection and Disposal

Accountable Manager: Mark Christison

What services are provided?

- Domestic collection service for residual waste (refuse) for households and businesses (domestic quantities only)
- Refuse transfer stations receipt and processing of residual waste
- Processing, reuse and residual disposal of construction and demolition through the Burwood Resource Recovery Park
- Residual waste transportation to landfill
- Operation and care of closed landfills
- Landfill gas capture, treatment, reticulation and destruction from the closed Burwood landfill site

Why do we provide these services?

- The Council provides for the safe collection and disposal of residual solid waste to minimise harm to people and the environment
- To meet our obligations in the Solid Waste Management Plan 2006
- To meet our obligations under the legislation requirements

What outcomes are we trying to achieve?	How do the services contribute to desired outcomes?
<p>Injuries and risks to public health are minimised</p> <p>• Earthquake demolition waste is safely disposed of with minimal adverse effects</p>	<p><i>Providing convenient, reliable and safe residual waste management services and facilities minimises the health and environmental risks of residual waste.</i></p>

Which group or section of the community will benefit from this activity?:

Christchurch residents, visitors to Christchurch, rate payers, commercial and industrial businesses (for domestic refuse quantities only), developers, SCIRT and demolition contractors.

Key legislation:

- Waste Minimisation Act 2008
- Local Government Act 2002
- Hazardous Substances and New Organisms Act 1996
- Climate Change Response Act 2002
- Health Act 1956
- Resource Management Act 1991
- Canterbury Earthquake Recovery Act 2011

Customer

What business results must we deliver to our customers, to deliver on the outcomes?

Performance Standards for LTP

Performance Standards for LTP	Current performance	Benchmarks	Recommended LOS	Rationale	LTP Committee Direction
Domestic kerbside collection service or community collection points for residual waste (refuse) for households and businesses (domestic quantities only)					
8.1.2 Tonnage of residual waste collected by Council services	2009/2010 101.11 kg / person / year 2010/2011 126.02 kg / person / year Note: impact of earthquake waste 2011/2012* 119.13kg / person / year *12 months to 30/4/2012	Timaru District Council reported a 5 year average of 98 kg / person / year	No more than 120 kg / person / year from collection services disposed to Kate Valley <i>“reflects impact of EQ in short term – target to be revised for LTP 2015”</i>	<i>Key business driver</i> Measuring and managing kerbside waste sent to landfill by Council services. Is also an indicator of community behaviour towards reducing waste to landfill. Note this LOS needs to read in conjunction with 8.1.1.	The introduction to the LTP 2013 states that some targets, i.e. residual waste collection and disposal, reflect the impacts of EQ events. <i>Add “reflects impact of EQ in short term – target to be revised for LTP 2015”</i>
8.1.3 Kerbside residual waste collection – emptied by Council services	2011/2012 year 99.8% collection rate	Timaru District Council reported an average of 99.8% collection rate	At least 99.5% collection achieved when items correctly presented for collection	Measuring and managing the collection performance of the kerbside collection services	Accepted
8.1.4 Customer satisfaction with kerbside collection service for residual waste	2009/2010 92% 2010/2011 Not measured 2011/2012 95%	2010/2011 Timaru District Council achieved 91% customer satisfaction with waste services	At least 90% customers satisfied with Council's kerbside collection service for residual waste each year	Measuring customer satisfaction with Council kerbside collection services	Target adjusted to 90%

Customer

What business results must we deliver to our customers, to deliver on the outcomes?

Performance Standards for LTP

Performance Standards for LTP	Current performance	Benchmarks	Recommended LOS	Rationale	LTP Committee Direction
Refuse transfer stations receipt and processing of residual waste					
8.1.5 Consent compliance for Council refuse transfer stations	Zero significant breaches of resource consents by Council owned transfer stations	Hamilton City Council: All sites have necessary consents Full compliance with consents	8.1.5.1 Resource consents are obtained and kept current for refuse transfer stations. 8.1.5.2 No major or persistent breaches of consents for transfer stations per year, as reported by Environment Canterbury or Christchurch City Council	Measuring and managing compliance with Resource Consent conditions and City Plan regulations as reported by Environment Canterbury and Christchurch City Council Note that new enforcement LOS now exist relating to temporary stockpiles	Accepted
Processing, reuse and residual disposal of construction and demolition waste from earthquakes through the Burwood Resource Recovery Park					
8.1.8 Consent compliance for operations at Burwood Resource Recovery Park (BRRP)	N/A	New	No major or persistent breaches of consents associated with BRRP per year as reported by Environment Canterbury or Christchurch City Council	Measuring and Managing BRRP management of operations at Burwood Resource Recovery Park.	Accepted. Note that the Council's lever to influence this is through Licensing and Enforcement (Activity 9.0)
Residual waste transportation to landfill					
8.1.1 Tonnage of residual waste sent to Kate Valley from Christchurch	2009/2010 481.46 kg / person / yr 2010/2011 617.64 Kg / person / yr Note: impact of earthquake waste 2011/2012* 580kg / person / yr *12 months to 30/4/2012	Timaru District Council reported in 2010/2011 financial year 524.31 kg / person Hamilton City Council 2012 Waste Management Plan 630 kg / person/ year	8.1.1.1 Reduction of refuse disposed of to Kate Valley Landfill measured in kg / person / year: 2012/13 580 kg/person 2013/14 560 kg/person 2014/15 540 kg/ person 8.1.1.2 Operative Waste Management & Minimisation Plan target 320 kg / person / year by 2020	Monitoring waste sent to landfill from Christchurch waste handled by both Council services and private organisations. Is also an indicator of household and business behaviour towards reducing waste to landfill, and supports Councils Sustainability Policy and Solid Waste Management Plan. Links to Commercial & Industrial Waste Minimisation 8.3.	Accepted

Customer

What business results must we deliver to our customers, to deliver on the outcomes?

Performance Standards for LTP

Performance Standards for LTP	Current performance	Benchmarks	Recommended LOS	Rationale	LTP Committee Direction
Operation and care of closed landfills					
8.1.6 Consent compliance for closed Council landfills	No major or persistent breaches of consents for closed Council landfills per year, as reported by Environment Canterbury or Christchurch City Council	Auckland RC LTCCP: 97% consent compliance with landfill aftercare	No major or persistent breaches of consents for closed Council landfills per year, as reported by Environment Canterbury and Christchurch City Council	Measuring and managing compliance with Resource Consent conditions and City Plan regulations as reported by Environment Canterbury and Christchurch City Council	Accepted

Customer

What business results must we deliver to our customers, to deliver on the outcomes?

Non- LTP Performance Standards

Non-LTP Performance Standards	Current performance	Benchmarks	Recommended LOS	Rationale	LTP Committee Direction
Landfill gas capture, treatment, reticulation and destruction from the closed Burwood landfill site					
8.1.7 Maximise beneficial use of landfill gas collected from Burwood landfill	2008 – 98.8% 2009 – 94.8% 2010 – 97.5% *2011 – 87.5% *2012 YTD – 95.9%	Wellington City Council Southern Landfill – gas extraction system available for power generation 90-95% of time. TransPacific Industries - Redvale Landfill Auckland – gas extraction system available 99.9% of time in 2011. TransPacific Industries – Whitford Landfill – gas extraction system available 95% of the time in 2011.	Landfill gas to be available to facilities that utilise the gas at least 95% of the time	Gas is currently used for heat in the biosolids drying plant, Civic Offices and Art Gallery. It was also being used at the QEII sports complex but the facility has been closed since February earthquake Note: Carbon Credit sale contract agreed under Kyoto Protocol completed 31/12/12	
	* Affected by earthquakes.				