



RESOURCES AND WASTE

The management of resources and waste is by far the Council's biggest area of spending. This area covers water supply, drainage and flood protection, stormwater management, and sewage and solid waste disposal. For the Council, this involves looking after thousands of kilometres of pipes and drains, and dozens of reservoirs and pumping stations, as well as the disposal of more than 100,000 tonnes of rubbish and 30 million cubic metres of sewage.

We aim to steadily improve this infrastructure while keeping costs down, eliminating

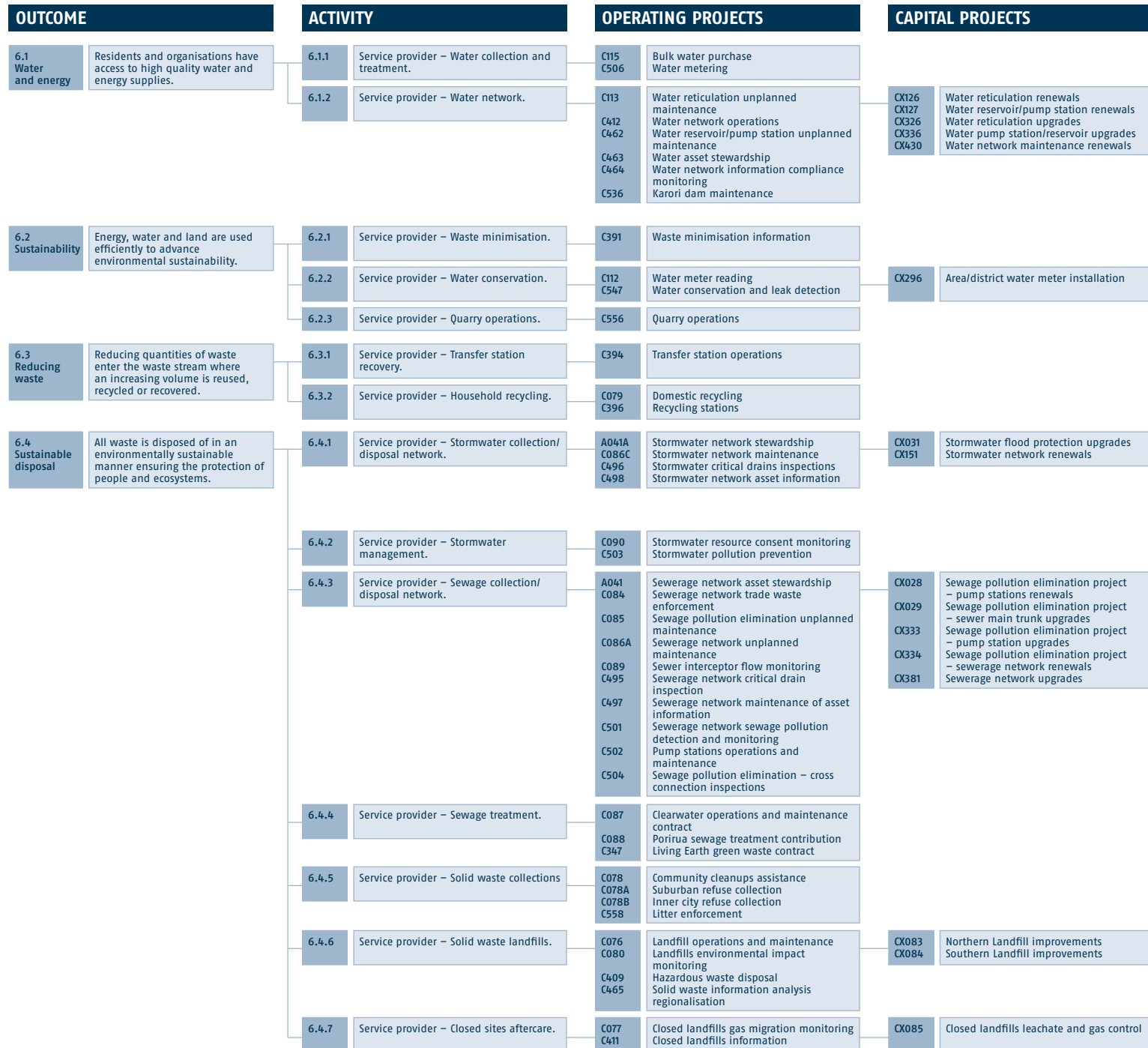
inefficiencies and reducing harm to the environment as much as possible.

Our new Sustainability Framework affects our work in the resource and waste area. While services such as water supply and waste disposal are critical, they must be managed in ways that minimise harm to the environment. This includes paying the full cost of dumping rubbish in landfills. As a result, we will increase landfill fees and the price of domestic rubbish bags. Details of the new prices can be found on pages 161.

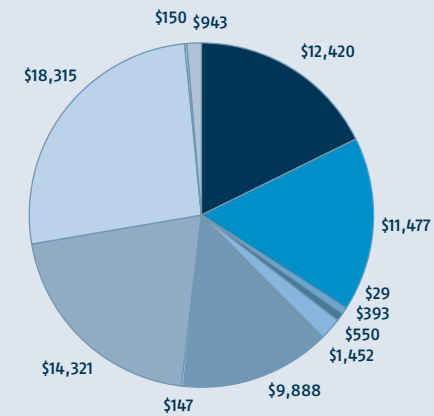
Working together

To fulfil our objectives in this area we work closely with a number of agencies. We work with the Greater Wellington Regional Council and the Hutt City Council to deliver high-quality water. Our relationship with Regional Public Health supports our objectives of keeping the environment clean. Our close working relationship with partners such as these ensures that we deliver high-quality services to residents which keep the foundations our city solid.

STRATEGY TREE – RESOURCES AND WASTE

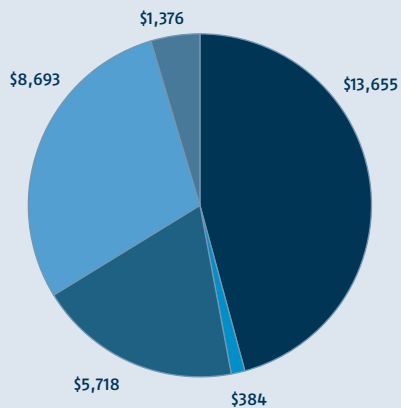


**RESOURCES AND WASTE:
NET OPERATIONAL SPENDING (\$'000)**



- Service provider - Water collection and treatment
- Service provider - Water network
- Service provider - Waste minimisation
- Service provider - Water conservation
- Service provider - Transfer station recovery
- Service provider - Household recycling
- Service provider - Stormwater collection and disposal network
- Service provider - Stormwater management
- Service provider - Sewage collection and disposal network
- Service provider - Sewage treatment
- Service provider - Solid waste collections
- Service provider - Closed sites aftercare

**RESOURCES AND WASTE:
CAPITAL SPENDING (\$'000)**



- Service provider - Water network
- Service provider - Water conservation
- Service provider - Stormwater collection and disposal network
- Service provider - Sewage collection and disposal network
- Service provider - Solid waste landfills

What it costs

These graphs outline what it costs to provide the activities in this key achievement area. The cost of providing each of the programmes in this area is outlined at the end of this chapter.

Service provider - Quarry operations returns a \$439 net income to the Council.

Service provider - Solid waste landfills returns a \$3,367 net income to the Council.



6.1 OUTCOME: WATER AND ENERGY

Our aim is for residents and organisations to have access to high-quality water and energy supplies.

Success in providing a reliable, high-quality water supply is measured under 6.1.2 Activity: water network and 6.2 Outcome: Sustainability. The measures we use indicate that our goal of providing the city with a high-quality water supply is being achieved.

City outcome indicator

Average annual household expenditure on fuel and power (domestic use – does not include transport energy-use)

6.1.1 ACTIVITY: WATER COLLECTION AND TREATMENT

A reliable supply of good-quality water is essential for the health and well-being of residents and the viability of the city as a whole. The Council purchases water in bulk from the Greater Wellington Regional Council, and is charged according to how much water the city uses. The water supplied meets the New Zealand water standards.

Activity performance measure

The number of times a year that substandard “bulk water” reaches our customers.

Target 2004/05: No occurrences (monitored at all 18 supply points).

6.1.2 ACTIVITY: WATER NETWORK

Wellington’s water network is managed for the Council by a joint water management company (with the Hutt City Council). The Wellington city network includes 81 reservoirs, 34 water pumping stations, 7837 hydrants and approximately 920km of underground pipes.

This system works day and night to ensure residents have clean water to drink, wash their clothes in and flush their toilets with. The network also supplies businesses and other organisations, such as garden centres, schools and swimming pools.

Upkeep of the network is an expensive business. Critical assets need to be kept in good condition and periodically replaced. Water mains, for example, can often be repaired initially, but must eventually be replaced before the repairs become more expensive and cause failures throughout the whole system. The schedule through to 2012/13 includes a large amount of work in relation to our reservoirs and pumping stations.

Repairs are also needed if an outside party breaks a water main – in this case we try to recover costs from the responsible parties, but must have sufficient funds to carry out the repairs immediately.

The Council has to be sure that the water network is prepared for emergencies. The system needs to have the necessary water storage and water pressure capabilities for dealing with major fires. In addition, hydrants need to be kept in good working order and well painted, for visibility.

To ensure that the network operates in a cost-effective and efficient manner, monitoring programmes have been established which capture, process and analyse data on a continual basis. These programmes also collect information needed for legislative compliance – which ensures that drinking water quality meets a certain standard and is not contaminated by backflow.

Activity performance measure

1. The water quality of Wellington’s water – measured against NZ Drinking Water Standards (2000).
Target 2004/05: 100% of samples comply.
2. The city’s water pipe network system grading as determined by the Ministry of Health.
Target 2004/05: Between ‘a’ and ‘b’ (currently rates between ‘a’ and ‘c’).

6.2 OUTCOME: SUSTAINABILITY

We want the city to use energy, water and land efficiently to advance environmental sustainability. We measure our success by monitoring trends in water and electricity use, and population density.

Our new Sustainability Framework will promote environmental sustainability by strengthening the Council's policy design, monitoring and evaluation capability, ensuring that sustainable development issues are incorporated in our long-term planning, and engaging the city's education and research institutions on issues relating to sustainable development of the city.

City outcome indicator

Wellington's water use per capita.

The ratio of population to land area in Wellington.

6.2.1 ACTIVITY: WASTE MINIMISATION

Implementation of the 2003 Solid Waste Management Plan will continue during 2004/05, including a continued focus on the promotion of regional co-operation between local authorities.

Activity performance measure

Tonnage of kerbside recycling measured against the tonnage of rubbish collected.

Target 2004/05: 9200 (tonnage kerbside recycling) vs. 13,500 (tonnage rubbish collected).

6.2.2 ACTIVITY: WATER CONSERVATION

Current projects in this area include reading water meters and answering residents' queries regarding water conservation.

Over the next decade, we will continue to install water meters on an area and district basis, so that trends in water consumption can be monitored and leaks can be more easily detected. Households will be able to choose whether they wish to install a water meter.

Activity performance measure

The number of zones with district water meters.

Target 2004/05: 75% (currently 60% of zones have water meters, long-term target is 100%).

6.2.3 ACTIVITY: QUARRY OPERATIONS

The Council operates Kiwi Point Quarry in Ngauranga Gorge which provides aggregate to commercial and private operators to be used in road and other construction works throughout the city. The quarry has held ISO 9000 certification since 1996. Over the past year, it has consulted local residents and interested groups about developing the quarry's south face, which will enable the quarry to continue to operate and help meet the city's aggregate needs well into the future.

Activity performance measure

There is no Annual Plan performance measure associated with this activity.



6.3 OUTCOME: REDUCING WASTE

We aim to reduce the amount of waste the city produces, by increasing the amount that is re-used, recycled or recovered.

We measure success in this area by monitoring the total amount of rubbish put in our landfills and the steps residents are taking to reduce the amount of rubbish their households produce.

City outcome indicator

The percentage of residents who are actively taking steps to reduce the amount of waste from their homes.

The amount of solid waste that is put into Wellington's landfills.

6.3.1 ACTIVITY: TRANSFER STATION RECOVERY

The Council currently operates two transfer stations, at the Southern and Northern Landfills. These stations are "drop off" places for domestic rubbish and allow certain wastes to be separated. In particular, the recovery of recyclable items is maximised. A recycling centre is provided at the Southern Landfill – it has a zero budget as its costs are recovered by on-selling recyclable and re-usable goods.

The Northern Landfill is consented to operate until 2006 but will close by June 2005 to allow remedial work to be completed before the consents expire. The Council has yet to make a decision on what facilities will be available after this time. At present, budgets are based on waste being disposed of at the Southern and Spicers Landfills.

Activity performance measures

1. The percentage of total garden waste received at the transfer station that is recycled.
Target 2004/05: 96% or more.
2. The percentage of general waste received at the transfer station that is recycled.
Target 2004/05: 25%.

6.3.2 ACTIVITY: HOUSEHOLD RECYCLING

We encourage recycling by providing most residents with kerbside recycling bins. To date, kerbside recycling has been very successful – more than 40 percent of the domestic waste we collect this way is recycled and 90 percent of residents make some effort to recycle. Total recycling volumes in Wellington have been growing significantly over the past five years.

This activity involves the collection of recyclable items and delivering them to Carter Holt Harvey's recycling facility at Seaview. It also includes the promotion of commercial recycling initiatives in the central business district.

Activity performance measure

The percentage of residents who regularly use Wellington City Council kerbside recycling.
Target 2004/05: 85%.

6.4 OUTCOME: SUSTAINABLE DISPOSAL

We want all waste to be disposed of in an environmentally-sustainable manner that protects people and ecosystems.

In the coming year, implementation of our new Trade Waste bylaw and renewal of our resource consents for the Western Wastewater Treatment Plant will help ensure these objectives are met.

City outcome indicator

The quality of Wellington's freshwater streams, as measured by Macro-invertebrate Indices.

Stormwater pollution awareness – Percentage of residents who are actively taking steps to reduce stormwater pollution (E.g. not disposing paint, detergents, etc down stormwater drains).

6.4.1 ACTIVITY: STORMWATER COLLECTION/DISPOSAL NETWORK

Wellington's stormwater network helps protect the city from flooding. The Council is responsible for 676km of stormwater pipes and tunnels through the city and suburbs. About half of the system is over 50 years old. This network is managed for the Council by a joint water management company (with the Hutt City Council).

We operate a "critical drains strategy", which means that pipes most likely to cause significant disruption or cost if they fail are inspected every five to 15 years. These inspections allow us to renew or replace drains before they actually fail or collapse, which is particularly important if they run under large buildings or major roads. Other works include the reactive repairs and replacements of stormwater drains, the provision of new stormwater drains and the cleaning and maintenance of stormwater inlet structures.

Continued development in Wellington has put pressure on the stormwater system, which has resulted in increased flooding. A citywide flood protection plan was developed in 1995. The city has been divided into some 30 separate catchments. Each is to have a Catchment Management Plan prepared. To date, six plans have been completed and works outlined in four of these plans have been carried out or are in the design stage. The remaining catchments will be addressed in order of priority at a rate of one a year. A few localised initiatives are also budgeted each year – smaller works that give localised flood relief.

Activity performance measure

The percentage of residents that are satisfied with stormwater collection and service.

Target 2004/05: 70%.



6.4.2 ACTIVITY: STORMWATER MANAGEMENT

Stormwater is discharged directly to the city's streams, harbour and coastal waters. It therefore needs to be as clean as possible. This activity relates to the monitoring of stormwater quality to ensure that it meets the standards set out in the Greater Wellington Regional Council's resource consents.

In addition, initiatives are being carried out to educate residents about the stormwater system. We expect that this programme will help reduce pollution from household contaminants such as paint, detergent, and oil products.

In the last 10 years, we have substantially eliminated sewage from the stormwater system. We are now working with the Greater Wellington Regional Council to quantify the effects on the environment of other pollutants that remain in stormwater.

From 2006/7 onwards, a budget is included to replace the debris filters on stormwater culverts.

Activity performance measure

The percentage of sampling days when the following contaminants are not seen: scums or foams, floating or suspended material, abnormal colour or clarity, fats or gross solids.

Target 2004/05: 100%.

6.4.3 ACTIVITY: SEWAGE COLLECTION/DISPOSAL NETWORK

The Council's sewage collection/disposal network is managed for the Council by a joint water management company (with the Hutt City Council). The network comprises more than 1000km of sewerage pipes and tunnels, of which 48 percent are over 50 years old. Pipes are replaced or renovated as their structural condition or performance deteriorates and fails to meet minimum standards. As with the stormwater network, the Council has a "critical drains strategy" which ensures that critical drains are inspected every five to 15 years and subsequently repaired or replaced as necessary.

The sewerage network also includes 62 pumping stations that need regular maintenance and ultimately replacement once they have come to the end of their economic life. Planned maintenance of the network includes the flushing of drains and clearing of grit traps.

Contamination of stormwater is a major concern for sewerage network management. This issue is managed through the Sewerage Pollution Elimination Project, which aims to minimise such contamination. These works will prevent overflow of raw sewerage to the city's harbour, streams and coastal waters. Remaining costs for this work will fall mainly into the period from 2003 to 2008.

Other general tasks include the isolation and detection of leaks, the upgrading of sewerage pipes that have structurally failed, are too small, or leak sewage. In terms of our regulatory functions, the Council is required to inspect private properties to locate sewerage/stormwater cross-connections and enforce remedial works.

We also enforce the Trade Wastes Bylaw, both by ensuring compliance and taking necessary follow-up action. This is increasingly important now that the processed sludge is converted into compost through the Living Earth venture.

Joint water management company functions include the preparation and management of asset management plans, risk management plans, feasibility studies and catchment management planning.

Activity performance measure

1. The percentage of monitored coastal sites where the median annual level of faecal coliform bacteria counts are less than 2000 per 100ml (lower levels of these bacteria mean the water is cleaner).
Target 2004/05: 75%.
2. The percentage of monitored bathing beaches where the median annual enterococci bacteria counts are less than 35 per 100ml (lower levels of these bacteria mean cleaner water).
Target 2004/05: 100%.
3. The percentage of monitored freshwater sites where annual median faecal coliform bacteria counts are less than 2000 per 100ml (lower levels of these bacteria mean cleaner water).
Target 2004/05: 100%.

6.4.4 ACTIVITY: SEWAGE TREATMENT

Sewage collected by the Council's network is taken to three places for treatment – Moa Point, Karori and Porirua. The Moa Point Wastewater Treatment Plant and the Western Wastewater Treatment Plant in Karori are owned and financed by the Council and operated by Anglian Water International. The Council pays the Porirua City Council to treat sewage from the northern suburbs at the Porirua Wastewater Treatment Plant, in which the Wellington City Council has a 27.6 percent stake and the Porirua City Council is the other shareholder.

The four consents held by the Council for the operations of the Western Wastewater Treatment Plant expire on 30 June 2006. These consents must be renewed prior to their expiry to ensure that the plant can continue to operate legally. This renewal process will start in 2004/05 to ensure a successful resolution prior to the expiry of the consents.

The Council recycles sewage sludge through the Biosolids Composting Plant operated by Living Earth Limited. This involves the processing of dewatered sewage sludge and green waste to produce garden compost.

This project reduces the amount of waste disposed in our landfills, thereby extending their life.

Activity performance measure

The percentage of days that the quality standards set out in the resource consents are met.

Target 2004/05: 100%.

6.4.5 ACTIVITY: SOLID WASTE COLLECTIONS (INCLUDING HAZARDOUS WASTE)

Each week, the Council collects rubbish from Wellington households and disposes of it at the landfills. The cost of this programme is offset by the sale of Council rubbish bags. In line with our policy to recover the full cost of rubbish disposal, these rubbish bags will increase in price in the next year (details can be found on page 161).

Inner-city rubbish collection is handled differently – collections are six nights a week and are operated by an outside contractor.



The Council provides facilities for the collection, sorting, temporary storage and disposal of household hazardous waste. This ensures that hazardous agents from households, such as paints, batteries, gas bottles, garden chemicals, oils and solvents, do not enter the landfill where they may contaminate leachate and sludge.

A small budget is also contained within this activity for helping community clean-ups. These funds are channelled through progressive associations and resident groups for this purpose.

Activity performance measure

The frequency of rubbish collections for domestic, commercial collections and the provision for hazardous waste collection facilities.

Target 2004/05:

- i) domestic/commercial collection weekly;
inner city collection six days a week.
- ii) 100% of hazardous (domestic) waste received is recovered.

6.4.6 ACTIVITY: SOLID WASTE LANDFILLS

This activity covers the costs of the Northern and Southern Landfills.

As well as the day-to-day management of the landfills, the Council is also involved in landscaping, erosion control, resource consent compliance and water quality monitoring. Costs are recovered through user charges which have been reviewed for the 2004/05 year in line with our cost-recovery policy for solid waste disposal.

With the closure of the Northern Landfill scheduled for mid 2005, the Council has initiated in-depth study of the best waste management options for the northern area. The focus is on ensuring that the final preferred option includes clear consideration of the most environmentally and economically appropriate outcomes.

Activity performance measure

The number of days on which the quality standards as set out in the resource consents are met.

Target 2004/05: 100%.

6.4.7 ACTIVITY: CLOSED SITES AFTERCARE

Closed landfills need monitoring to ensure that they are not discharging hazardous gas or leachate into the city's environment. Specific programmes include the extraction of gas from the Southgate Landfill and gas control measures at Preston's Gully and Ian Galloway Park. These programmes are being extended to cover all identified landfills, which require a gas monitoring regime.

The Council recognises the importance of dealing with these issues and is investigating ways to manage them into the future. We have a four-year programme that involves checking all closed landfills (in order of their estimated level of risk), and setting up long-term monitoring programmes of closed sites as required.

Activity performance measure

The percentage of known closed landfills which have water quality and/or gas monitoring systems.

Target 2004/05: 100%.

2004/05 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR RESOURCES AND WASTE

Council Plan 2003/04	Project description	Expenditure 2004/05	User charges and other revenue	Net expenditure before non funded depreciation	Non funded depreciation	Net expenditure/ rates funding requirement	Rates as a % of total funding	Rates funding target
Net (\$000)		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(%)	(%)
12,137	C115 Bulk water purchase	12,339	-	12,339		12,339		
84	C506 Water metering	81	-	81		81		
12,221	6.1.1 Service provider - Water collection and treatment	12,420	-	12,420	-	12,420	100%	100%
2,549	C113 Water reticulation unplanned maintenance	2,957	(133)	2,824		2,824		
221	C412 Water network operations	744	(414)	330		330		
192	C462 Water reservoir/pump station unplanned maintenance	264	-	264		264		
173	C463 Water asset stewardship	7,333	-	7,333		7,333		
7,673	C464 Water network information compliance monitoring	655	-	655		655		
65	C536 Karori dam maintenance	71	-	71		71		
10,873	6.1.2 Service provider - Water network	12,024	(547)	11,477	-	11,477	95%	100%
70	C391 Waste minimisation information	29	-	29		29		
70	6.2.1 Service provider - Waste minimisation	29	-	29	-	29	100%	0%
204	C112 Water meter reading	269	-	269		269		
108	C547 Water conservation and leak detection	124	-	124		124		
312	6.2.2 Service provider - Water conservation	393	-	393	-	393	100%	100%
(370)	C556 Quarry operations	2,125	(2,564)	(439)		(439)		
(370)	6.2.3 Service provider - Quarry operations	2,125	(2,564)	(439)	-	(439)		0%
485	C394 Transfer station operations	550	-	550		550		
485	6.3.1 Service provider - Transfer station recovery	550	-	550	-	550	100%	0%
1,327	C079 Domestic recycling	1,482	(162)	1,320		1,320		
132	C396 Recycling stations	132	-	132		132		
1,459	6.3.2 Service provider - Household recycling	1,614	(162)	1,452	-	1,452	90%	0%

2004/05 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR RESOURCES AND WASTE CONTINUED

Council Plan 2003/04	Project description	Expenditure 2004/05	User charges and other revenue	Net expenditure before non funded depreciation	Non funded depreciation	Net expenditure/ rates funding requirement	Rates as a % of total funding	Rates funding target
Net (\$000)		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(%)	(%)
7,592	A041A Stormwater network stewardship	7,810	-	7,810		7,810		
1,336	Co86C Stormwater network maintenance	1,833	(5)	1,828		1,828		
98	C496 Stormwater critical drains inspections	174	-	174		174		
62	C498 Stormwater network asset information	76	-	76		76		
9,088	6.4.1 Service provider - Stormwater collection and disposal network	9,893	(5)	9,888	-	9,888	100%	100%
125	Co90 Stormwater resource consent monitoring	119	-	119		119		
30	C503 Stormwater pollution prevention	28	-	28		28		
155	6.4.2 Service provider - Stormwater management	147	-	147	-	147	100%	100%
9,210	A041 Sewerage network asset stewardship	9,837	-	9,837		9,837		
60	Co84 Sewerage network trade waste enforcement	58	-	58		58		
495	Co85 Sewage pollution elimination unplanned maintenance	658	-	658		658		
2,044	Co86A Sewerage network unplanned maintenance	2,447	(70)	2,377		2,377		
106	Co89 Sewer interceptor flow monitoring	131	-	131		131		
312	C346 Private drainage data maintenance	-	-	-		-		
199	C495 Sewerage network critical drain inspection	314	-	314		314		
72	C497 Sewerage network maintenance of asset information	85	-	85		85		
47	C501 Sewerage network sewage pollution detection and monitoring	51	-	51		51		
689	C502 Pump stations operations and maintenance	723	-	723		723		
102	C504 Sewage pollution elimination - cross connection inspections	87	-	87		87		
13,336	6.4.3 Service provider - Sewage collection and disposal network	14,391	(70)	14,321	-	14,321	100%	100%

2004/05 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR RESOURCES AND WASTE CONTINUED

<i>Council Plan 2003/04</i>	<i>Project description</i>	<i>Expenditure 2004/05</i>	<i>User charges and other revenue</i>	<i>Net expenditure before non funded depreciation</i>	<i>Non funded depreciation</i>	<i>Net expenditure/ rates funding requirement</i>	<i>Rates as a % of total funding</i>	<i>Rates funding target</i>
<i>Net (\$000)</i>		<i>(\$000)</i>	<i>(\$000)</i>	<i>(\$000)</i>	<i>(\$000)</i>	<i>(\$000)</i>	<i>(%)</i>	<i>(%)</i>
14,888	C087 Clearwater operations and maintenance contract	15,318	(600)	14,718		14,718		
1,453	C088 Porirua sewage treatment contribution	1,459	-	1,459		1,459		
2,144	C347 Living Earth green waste contract	2,138	-	2,138		2,138		
18,485	6.4.4 Service provider - Sewage treatment	18,915	(600)	18,315	(2,968)	15,347	81%	100%
26	C078 Community cleanups assistance	29	-	29		29		
(3)	C078A Suburban refuse collection	2,836	(3,186)	(350)		(350)		
317	C078B Inner city refuse collection	324	-	324		324		
131	C558 Litter enforcement	147	-	147		147		
471	6.4.5 Service provider - Solid waste collections	3,336	(3,186)	150	-	150	4%	5%
(2,669)	C076 Landfill operations and maintenance	3,195	(6,782)	(3,587)		(3,587)		
55	C080 Landfills environmental impact monitoring	53	-	53		53		
174	C409 Hazardous waste disposal	167	-	167		167		
35	C465 Solid waste information analysis regionalisation	-	-	-		-		
(2,405)	6.4.6 Service provider - Solid waste landfills	3,415	(6,782)	(3,367)	-	(3,367)		0%
958	C077 Closed landfills gas migration monitoring	910	-	910		910		
27	C411 Closed landfills information	33	-	33		33		
985	6.4.7 Service provider - Closed sites aftercare	943	-	943	-	943	100%	0%
65,165	Total for 2004/05	80,195	(13,916)	66,279	(2,968)	63,311		

2004/05 CAPITAL SPENDING FOR RESOURCES AND WASTE



<i>Council Plan 2003/04</i>	<i>Project description</i>	<i>Expenditure 2004/05</i>
<i>(\$000)</i>		<i>(\$000)</i>
5,493	CX126 Water reticulation renewals	5,593
2,437	CX127 Water reservoir/pump station renewals	2,487
-	CX326 Water reticulation upgrades	150
3,264	CX336 Water pump station/reservoir upgrades	3,857
1,297	CX430 Water network maintenance renewals	1,568
12,491	6.1.2 Service provider – Water network	13,655
490	CX296 Area/district water meter installation	384
490	6.2.2 Service provider – Water conservation	384
148	CX027 Sewage pollution elimination project – stormwater cross connection	-
2,330	CX031 Stormwater flood protection upgrades	2,385
2,984	CX151 Stormwater network renewals	3,333
7	CX330 Stormwater network upgrades	-
5,469	6.4.1 Service provider – Stormwater collection and disposal network	5,718
20	CX331 Stormwater treatment upgrades	-
20	6.4.2 Service provider – Stormwater management	-
59	CX028 Sewage pollution elimination project – pump stations renewals	42
1,158	CX029 Sewage pollution elimination project – sewer main trunk upgrades	1,334
1,361	CX333 Sewage pollution elimination project – pump station upgrades	1,475
4,185	CX334 Sewage pollution elimination project – sewerage network renewals	5,667
289	CX380 Sewage pollution elimination project – sewerage network upgrades	-
184	CX381 Sewerage network upgrades	175
1,181	CX382 Sewerage network renewals	-
8,417	6.4.3 Service provider – Sewage collection and disposal network	8,693
133	CX083 Northern Landfill improvements	64
36	CX084 Southern Landfill improvements	1,312
169	6.4.6 Service provider – Solid waste landfills	1,376
249	CX085 Closed landfills leachate and gas control	-
249	6.4.7 Service provider – Closed sites aftercare	-
27,305	Total for 2004/05	29,826