Resources and Waste

Looking after the city's water, stormwater and sewage networks, and its rubbish and recycling operations, is by far our biggest area of operation.

It 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.

These services are the foundations on which the city is built. In all of these activities, we aim to meet the city's needs as safely, efficiently and sustainably as possible.

To fulfil our objectives in this area, we work closely with a number of agencies. We work with Capacity to deliver high-quality drinking water. Our relationship with Regional Public Health supports our objectives of keeping the environment clean. By working with partners such as these, we are able to deliver high quality services to residents and keep the city's infrastructure strong.

WHAT'S NEW

KEEPING THE CITY IN WATER
During 2005/06, we'll be purchasing more than 33 million cubic metres of water from the Greater Wellington Regional Council for use in Wellington city. We'll also be replacing 11km of water pipes to keep the network in good condition.

LOOKING AFTER THE DRAINAGE NETWORK
In 2005/06, we'll be replacing 2.9km of stormwater pipes and 8.6km of wastewater pipes to keep the networks in good condition. We'll be treating 31.2 million litres of sewage.

We're also studying the trunk wastewater network, pump stations and the Moa Point treatment plant to see how we can reduce sewage overflows during wet weather. This work is needed to comply with resource consent conditions requiring wet weather overflows to be reduced at Moa Point and at wastewater pump stations.

TE ARO STORMWATER CULVERT

We'll be continuing work on the $7 million Te Aro stormwater main, which is being built over the next couple of years in conjunction with the inner-city bypass. The new 2.5m main replaces an existing 130-year-old brick pipeline which lacks the capacity to deal with heavy runoff of stormwater from Te Aro and Brooklyn. Work started on the new main alongside Arthur St early in 2005. In the next 18 months it will continue through to Willis St and then along to Palmer St and Aro Park.

As the bypass is being built, we will also upgrade adjacent stormwater and wastewater pipes as their condition warrants.

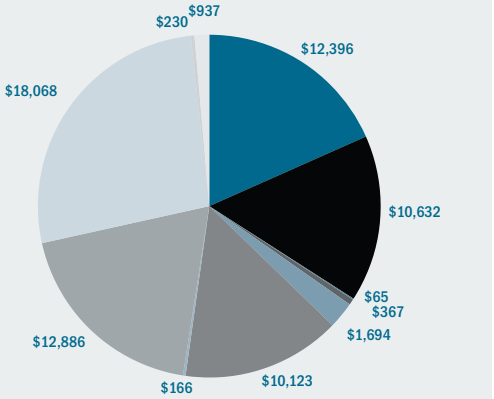
MIRAMAR FLOOD PROTECTION

We're funding work to protect about 75 properties in Miramar from flooding. The work, which will cost about $1 million, involves capacity upgrades for stormwater drains, improvements to overland flow paths, and provision of extra sumps.

STRATEGY TREE – RESOURCES AND WASTE

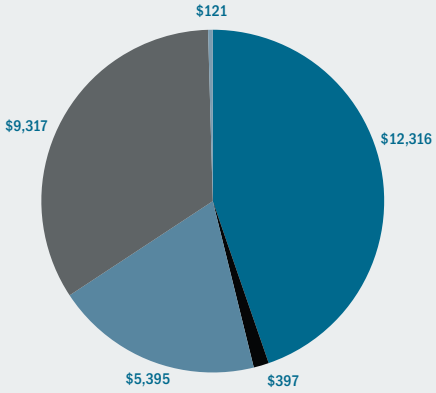
OUTCOME		ACTIVITY		OPERATING PROJECTS		CAPITAL PROJECTS	
6.1 Water and energy	Residents and organisations have access to high quality water and energy supplies.	6.1.1	Service provider – Water collection and treatment.	C115	Bulk water purchase		
				C506	Water metering		
		6.1.2	Service provider – Water network.	C113	Water reticulation unplanned maintenance	CX126	Water reticulation renewals
				C412	Water network operations	CX127	Water reservoir/pump station renewals
				C462	Water reservoir/pump station unplanned maintenance	CX326	Water reticulation upgrades
				C463	Water asset stewardship	CX336	Water pump station/reservoir upgrades
				C464	Water network information compliance monitoring	CX430	Water network maintenance renewals
				C536	Karori dam maintenance		
6.2 Sustainability	Energy, water and land are used efficiently to advance environmental sustainability.	6.2.1	Service provider – Waste minimisation.	C391	Waste minimisation information		
		6.2.2	Service provider – Water conservation.	C112	Water meter reading	CX296	Area/district water meter installation
				C547	Water conservation and leak detection		
		6.2.3	Service provider – Quarry operations.	C556	Quarry operations		
6.3 Reducing waste	Reducing quantities of waste entering the waste stream where an increasing volume is reused, recycled or recovered.	6.3.1	Service provider – Household recycling.	C079	Domestic recycling		
6.4 Sustainable disposal	All waste is disposed of in an environmentally sustainable manner ensuring the protection of people and ecosystems.	6.4.1	Service provider – Stormwater collection/ disposal network.	A041A	Stormwater network stewardship	CX031	Stormwater flood protection upgrades
				C086C	Stormwater network maintenance	CX151	Stormwater network renewals
				C496	Stormwater critical drains inspections		
				C498	Stormwater network asset information		
		6.4.2	Service provider – Stormwater management.	C090	Stormwater resource consent monitoring		
				C503	Stormwater pollution prevention		
		6.4.3	Service provider – Sewage collection/ disposal network.	A041	Sewerage network asset stewardship	CX029	Sewage pollution elimination project – sewer main trunk upgrades
				C084	Sewerage network trade waste enforcement	CX333	Sewage pollution elimination project – pump station upgrades
				C085	Sewage pollution elimination unplanned maintenance	CX334	Sewage pollution elimination project – sewerage network renewals
				C086A	Sewerage network unplanned maintenance	CX381	Sewerage network upgrades
				C089	Sewer interceptor flow monitoring		
				C495	Sewerage network critical drain inspection		
				C497	Sewerage network maintenance of asset information		
				C501	Sewerage network sewage pollution detection and monitoring		
				C502	Pump stations operations and maintenance		
		6.4.4	Service provider – Sewage treatment.	C087	Clearwater operations and maintenance contract		
				C088	Porirua sewage treatment contribution		
				C347	Living Earth green waste contract		
		6.4.5	Service provider – Solid waste collections	C078A	Suburban refuse collection		
				C078B	Inner city refuse collection		
				C558	Litter enforcement		
		6.4.6	Service provider – Solid waste landfills.	C076	Landfill operations and maintenance	CX084	Southern Landfill improvements
				C080	Landfills environmental impact monitoring		
				C409	Hazardous waste disposal		
		6.4.7	Service provider – Closed sites aftercare.	C077	Closed landfills gas migration monitoring		

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 - 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 $655 net income to the Council.

Service provider – Solid waste landfills returns a $1,773 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.

City outcome indicator

The average annual household expenditure on fuel and power (domestic 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 2005/06: No occurrences (monitored at all 18 supply points).

6.1.2 ACTIVITY: WATER NETWORK

We own a water network that includes 75 reservoirs, 34 water pumping stations, more than 7900 hydrants and about 1000km of underground pipes. This network is managed by Capacity (a joint Wellington-Hutt water management company) to ensure both cities have high-quality water available at all times for drinking and other household and business uses, and for emergencies such as firefighting.

We aim to ensure this network is managed as efficiently and cost-effectively as possible.

Maintenance of the network includes upgrading and replacing pipes and other infrastructure, responding to complaints, fixing leaks and other faults, and regular flushing of the pipes and cleaning of the reservoirs. Water quality is continuously monitored to ensure it meets national standards.

The water network budget also covers resource consents and new water connections.

Activity performance measure

1. The water quality of Wellington's water – measured against NZ Drinking Water Standards (2000).

   Target 2005/06: 100% of samples comply.

2. The city's water pipe network system grading as determined by the Ministry of Health.

   Target 2005/06: Between 'a' and 'b'.

6.2 OUTCOME: SUSTAINABILITY

We want the city to use energy, water and land efficiently to advance environmental sustainability.

City outcome indicator

Wellington's water use per capita.

The ratio of population to land area in Wellington.

6.2.1 ACTIVITY: WASTE MINIMISATION

We aim to reduce the amount of solid waste the city produces. The waste minimisation budget covers education and information about waste reduction, research about the impact of waste on the city, and planning to reduce waste. This work supports our recycling and transfer station operations (referred to in 6.3.1 and 6.4.6).

Activity performance measure

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

Target 2005/06: 11,000 (tonnage kerbside recycling) vs. 12,500 (tonnage rubbish collected).

6.2.2 ACTIVITY: WATER CONSERVATION

We promote water conservation through public education efforts and by installing and reading water meters. Meters allow us to monitor trends in water consumption and more easily detect leaks. Since customers are charged for water used, the meters also provide an incentive for them not to waste water.

Over the next decade, we will continue installing 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 2005/06: 75% (In 2003/04, 60% of zones had water meters, long-term target is 100%).

6.2.3 ACTIVITY: QUARRY OPERATIONS

We operate the 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.

Activity performance measure

There is currently 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.

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: HOUSEHOLD RECYCLING

We encourage recycling by providing most residents with a kerbside recycling service, using bins or bags. About 85 percent of residents use this service, and each year about 10,000 tonnes of recycling is collected. This waste would otherwise be destined for landfills. Total recycling volumes in Wellington have been growing significantly over the past five years.

Recyclable items are delivered to Carter Holt Harvey's recycling facility at Seaview for sorting.

This activity also includes the promotion of commercial recycling initiatives in the central business district.

Activity performance measure

The percentage of residents who use Wellington City Council kerbside recycling every week.

Target 2005/06: 85%.

6.4 OUTCOME: SUSTAINABLE DISPOSAL

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

City outcome indicator

The quality of Wellington's freshwater streams, as measured using macro-invertebrate indices.

The percentage of residents who are actively taking steps to reduce stormwater pollution.

6.4.1 ACTIVITY: STORMWATER COLLECTION/ DISPOSAL NETWORK

Wellington's stormwater network protects the city from flooding. Each year, it carries some 79 million cubic metres of runoff from gutters and drains to the harbour and city streams.

The stormwater network is made up of more than 600km of pipes and tunnels. About half of the system is more than 50 years old.

Capacity (a joint Wellington–Hutt water management company) manages the network. It builds new drains and repairs or replaces existing drains as necessary. Drains that are considered "critical", such as those running under major roads or buildings, are inspected every five to 15 years.

Maintenance of the network includes upgrading and replacing pipes and other infrastructure, and fixing leaks and other faults. We aim to ensure the network is managed as efficiently and cost-effectively as possible.

Our citywide flood protection plan divides the city into 30 catchments. Management plans are being developed for each catchment to ensure the stormwater system has sufficient capacity to cope with heavy rain.

Activity performance measure

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

Target 2005/06: 70%.

6.4.2 ACTIVITY: STORMWATER MANAGEMENT

Because stormwater is discharged into the city's streams, harbour and coastal waters, it needs to be as clean as possible. Stormwater can be contaminated by runoff from roads, and by waste such as oil, paint, litter and detergents being tipped or washing into drains. In the last 10 years we have substantially eliminated sewage from the stormwater system (see 6.4.3 Sewage collection/disposal network).

The Council has resource consents from the Greater Wellington Regional Council for our stormwater discharges, and we are required to meet the standards set out in these consents.

While we don't treat stormwater runoff, we monitor stormwater quality at more than 80 sites to ensure it meets the required standards.

We are working with the Greater Wellington Regional Council to educate residents about the importance of keeping contaminants out of the stormwater network, and also to quantify the effects of stormwater runoff on the city's waterways.

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 2005/06: 100%.

6.4.3 ACTIVITY: SEWAGE COLLECTION/DISPOSAL NETWORK

We own more than 1000 kilometres of sewer pipes and tunnels, and more than 60 pumping stations.

Capacity (a joint Wellington–Hutt water management company) manages the network. Management and maintenance work includes upgrading sewer pipes that are too small or leak sewage, flushing drains, finding and fixing leaks, and carrying out works to ensure sewage doesn't contaminate the stormwater network. Drains that are considered "critical" (because there would be serious consequences if they failed) are inspected every five to 15 years and repaired or replaced as needed.

We also inspect private properties to find cross-connections between the sewerage and stormwater networks and require landowners to remove those connections.

We monitor and regulate trade wastes (such as oil, grease, chemicals, and septic tank contents) to ensure that harmful substances don't enter the sewerage system. If they were allowed to enter the system, trade wastes could block sewers, damage treatment stations, pollute waterways, and contaminate the sewage sludge used for Living Earth Ltd's compost-making operation (see 6.4.4 Sewage treatment).

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 2005/06: 90%.

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 2005/06: 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 2005/06: 100%.

6.4.4 ACTIVITY: SEWAGE TREATMENT

Sewage from Wellington city is treated at three plants: Moa Point, Karori and Porirua. The plants at Moa Point and Karori are owned and financed by the Council and operated by United Water. Sewage from Wellington's northern suburbs is transferred to the Porirua plant, in which we have a 27.6 percent stake and the Porirua City Council is the other shareholder.

Once sewage is treated at Moa Point and Karori, wastewater is piped into the Cook Strait and the sludge is taken to the Southern Landfill, where it is combined with green waste to make high-quality compost. This work is carried out by Living Earth Ltd under contract to the Council.

During 2005/06, we will be reviewing future options for dealing with biosolids to ensure the city's approach is sustainable in the long term.

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

Target 2005/06: 100%.

6.4.5 ACTIVITY: SOLID WASTE COLLECTIONS (INCLUDING HAZARDOUS WASTE)

We collect rubbish from Wellington households and dispose of it at the landfills. The cost of this programme is offset by the sale of Council rubbish bags.

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

Target 2005/06:

1. Domestic/commercial collection: weekly; inner city collection: six days a week.
2. 100% of hazardous domestic waste received is recovered.

6.4.6 ACTIVITY: SOLID WASTE LANDFILLS

We operate the Northern and Southern Landfills. As well as the day-to-day management of the landfills, we are involved in landscaping, erosion control, resource consent compliance and water quality monitoring. Costs are recovered through user charges.

Both landfills operate transfer stations, where domestic waste is dumped and recyclables separated. The Southern Landfill also operates the Second Treasure Shop where items such as furniture, metals, bikes, books and appliances can be dropped off. Costs are recovered by on-selling recyclable and re-useable items.

We also provide 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.

The Northern Landfill has a resource consent to operate until 2006. The landfill is expected to close late in 2005/06 to allow final works to be completed before the consent expires. Beyond closure of the Northern Landfill, waste is likely to be disposed of at the Southern Landfill and at Spicer Landfill in Porirua.

Activity performance measure

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

   Target 2005/06: 100%.

2. The percentage of total garden waste received at the transfer station that is recycled.

   Target 2005/06: At least 97%.

3. The percentage of general waste received at the transfer station that is recycled.

   Target 2005/06: At least 3%.

6.4.7 ACTIVITY: CLOSED SITES AFTERCARE

There are more than 30 closed landfills in the city, most of which are now reserves and parks. We monitor them to ensure they aren't discharging hazardous gas (such as methane and carbon monoxide) or leachate into the environment. We have a gas extraction plant at the Southern Landfill and gas control measures at Preston's Gully and Ian Galloway Park. We work to ensure closed landfills are managed in line with regulatory and legal obligations.

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

Target 2005/06: 100%.

2005/06 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR RESOURCES AND WASTE

Annual Plan 2004/05			Expenditure 2005/06	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)	Project description		($000)	($000)	($000)	($000)	($000)	(%)	(%)
12,339	C115	Bulk water purchase	12,353	–	12,353		12,353		
81	C506	Water metering	43	–	43		43		
12,420		**6.1.1 Service provider – Water collection and treatment**	**12,396**	**–**	**12,396**	**–**	**12,396**	**100%**	**100%**
2,824	C113	Water reticulation unplanned maintenance	2,418	(133)	2,285		2,285		
330	C412	Water network operations	717	(814)	(97)		(97)		
264	C462	Water reservoir/pump station unplanned maintenance	307	–	307		307		
7,333	C463	Water asset stewardship	7,767	–	7,767		7,767		
655	C464	Water network information compliance monitoring	309	–	309		309		
71	C536	Karori dam maintenance	61	–	61		61		
11,477		**6.1.2 Service provider – Water network**	**11,579**	**(947)**	**10,632**	**–**	**10,632**	**92%**	**100%**
29	C391	Waste minimisation information	65	–	65		65		
29		**6.2.1 Service provider – Waste minimisation**	**65**	**–**	**65**	**–**	**65**	**100%**	**0%**
269	C112	Water meter reading	268	–	268		268		
124	C547	Water conservation and leak detection	99	–	99		99		
393		**6.2.2 Service provider – Water conservation**	**367**	**–**	**367**	**–**	**367**	**100%**	**100%**
(439)	C556	Quarry operations	3,145	(3,800)	(655)		(655)		
(439)		**6.2.3 Service provider – Quarry operations**	**3,145**	**(3,800)**	**(655)**	**–**	**(655)**		**0%**
1,320	C079	Domestic recycling	1,720	(26)	1,694		1,694		
550	C394	Transfer station operations	–	–	–		–		
132	C396	Recycling stations	–	–	–		–		
2,002		**6.3.1 Service provider – Household recycling**	**1,720**	**(26)**	**1,694**	**–**	**1,694**	**98%**	**0%**
7,810	A041A	Stormwater network stewardship	8,315	–	8,315		8,315		
1,828	C086C	Stormwater network maintenance	1,636	(5)	1,631		1,631		
174	C496	Stormwater critical drains inspections	120	–	120		120		
76	C498	Stormwater network asset information	57	–	57		57		
9,888		**6.4.1 Service provider – Stormwater collection and disposal network**	**10,128**	**(5)**	**10,123**	**–**	**10,123**	**100%**	**100%**

2005/06 OPERATIONAL SPENDING, FUNDING SOURCES AND TARGETS FOR RESOURCES AND WASTE (CONTINUED)

Annual Plan 2004/05			Expenditure 2005/06	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)	Project description		($000)	($000)	($000)	($000)	($000)	(%)	(%)
119	C090	Stormwater resource consent monitoring	139	–	139		139		
28	C503	Stormwater pollution prevention	27	–	27		27		
147		**6.4.2 Service provider – Stormwater management**	**166**	**–**	**166**	**–**	**166**	**100%**	**100%**
9,837	A041	Sewerage network asset stewardship	9,346	–	9,346		9,346		
58	C084	Sewerage network trade waste enforcement	62	–	62		62		
658	C085	Sewage pollution elimination unplanned maintenance	584	–	584		584		
2,377	C086A	Sewerage network unplanned maintenance	2,555	(820)	1,735		1,735		
131	C089	Sewer interceptor flow monitoring	131	–	131		131		
314	C495	Sewerage network critical drain inspection	209	–	209		209		
85	C497	Sewerage network maintenance of asset information	86	–	86		86		
51	C501	Sewerage network sewage pollution detection and monitoring	48	–	48		48		
723	C502	Pump stations operations and maintenance	685	–	685		685		
87	C504	Sewage pollution elimination – cross connection inspections	–	–	–		–		
14,321		**6.4.3 Service provider – Sewage collection and disposal network**	**13,706**	**(820)**	**12,886**	**–**	**12,886**	**94%**	**100%**
14,718	C087	Clearwater operations and maintenance contract	15,013	(600)	14,413		14,413		
1,459	C088	Porirua sewage treatment contribution	1,450	–	1,450		1,450		
2,138	C347	Living Earth green waste contract	2,205	–	2,205		2,205		
18,315		**6.4.4 Service provider – Sewage treatment**	**18,668**	**(600)**	**18,068**	**(2,968)**	**15,100**	**81%**	**100%**
29	C078	Community cleanups assistance	–	–	–		–		
(350)	C078A	Suburban refuse collection	2,863	(3,126)	(263)		(263)		
324	C078B	Inner city refuse collection	322	–	322		322		
147	C558	Litter enforcement	174	(3)	171		171		
150		**6.4.5 Service provider – Solid waste collections**	**3,359**	**(3,129)**	**230**	**–**	**230**	**7%**	**5%**
(3,587)	C076	Landfill operations and maintenance	3,494	(5,473)	(1,979)		(1,979)		
53	C080	Landfills environmental impact monitoring	53	–	53		53		
167	C409	Hazardous waste disposal	153	–	153		153		
(3,367)		**6.4.6 Service provider – Solid waste landfills**	**3,700**	**(5,473)**	**(1,773)**	**–**	**(1,773)**		**0%**
910	C077	Closed landfills gas migration monitoring	937	–	937		937		
33	C411	Closed landfills information	–	–	–		–		
943		**6.4.7 Service provider – Closed sites aftercare**	**937**	**–**	**937**	**–**	**937**	**100%**	**0%**
66,279		**Total for 2005/06**	**79,936**	**(14,800)**	**65,136**	**(2,968)**	**62,168**		

2005/06 CAPITAL SPENDING AND FUNDING SOURCES FOR RESOURCES AND WASTE

Annual Plan 2004/05 ($000)	Project description		Expenditure 2005/06 ($000)	Development contributions revenue (%)	Development contributions borrowings (%)	Rates funded depreciation (%)	General borrowings (%)
5,593	CX126	Water reticulation renewals	5,822				
2,487	CX127	Water reservoir/pump station renewals	301				
150	CX326	Water reticulation upgrades	550				
3,857	CX336	Water pump station/reservoir upgrades	4,100				
1,568	CX430	Water network maintenance renewals	1,543				
13,655		**6.1.2 Service provider – Water network**	**12,316**	**0.5%**	**8.5%**	**54%**	**37%**
384	CX296	Area/district water meter installation	397				
384		**6.2.2 Service provider – Water conservation**	**397**	**0.0%**	**0.0%**	**0%**	**100%**
2,385	CX031	Stormwater flood protection upgrades	2,956				
3,333	CX151	Stormwater network renewals	2,439				
5,718		**6.4.1 Service provider – Stormwater collection and disposal network**	**5,395**	**0.2%**	**2.8%**	**39%**	**58%**
42	CX028	Sewage pollution elimination project – pump stations renewals	–				
1,334	CX029	Sewage pollution elimination project – sewer main trunk upgrades	811				
1,475	CX333	Sewage pollution elimination project – pump station upgrades	1,356				
5,667	CX334	Sewage pollution elimination project – sewerage network renewals	6,976				
175	CX381	Sewerage network upgrades	174				
8,693		**6.4.3 Service provider – Sewage collection and disposal network**	**9,317**	**0.2%**	**1.8%**	**65%**	**33%**
64	CX083	Northern Landfill improvements	–				
1,312	CX084	Southern Landfill improvements	121				
1,376		**6.4.6 Service provider – Solid waste landfills**	**121**	**0.0%**	**0.0%**	**0%**	**100%**
29,826		**Total for 2005/06**	**27,546**				