

9.2.0

Draft Corporate Plan  
2003/04 Edition

*CITY WATER  
& WASTE*



9.2.i

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

***Overall Triple Bottom Line Objectives***

- All of the Unit activities shall conform to the principles of The Natural Step

***Serving the Community By***

- Supplying water and disposing of waste in a manner that will achieve agreed and understood levels of service
- Complying with legislative requirements including those relating to public health
- Being a good employer by implementing best practice in human resources management through matters such as recruitment, remuneration, GVBV, EEO and training
- Inspiring community and business group ownership through partnerships, consultation and education on key issues
- Providing education to increase knowledge of key water and waste issues and to encourage behavioural change
- Maintaining cultural sensitivity recognising the special role of Tangata Whenua

***Sustaining the Environment By***

- Adopting an advocacy role outside our immediate community for survival of the planet
- Ensuring everything we do is based on sustainable best practices including conforming with the Natural Step principles
- Developing partnerships with Central Government to further the goals of waste minimisation
- Mimicking and restoring natural ecosystems

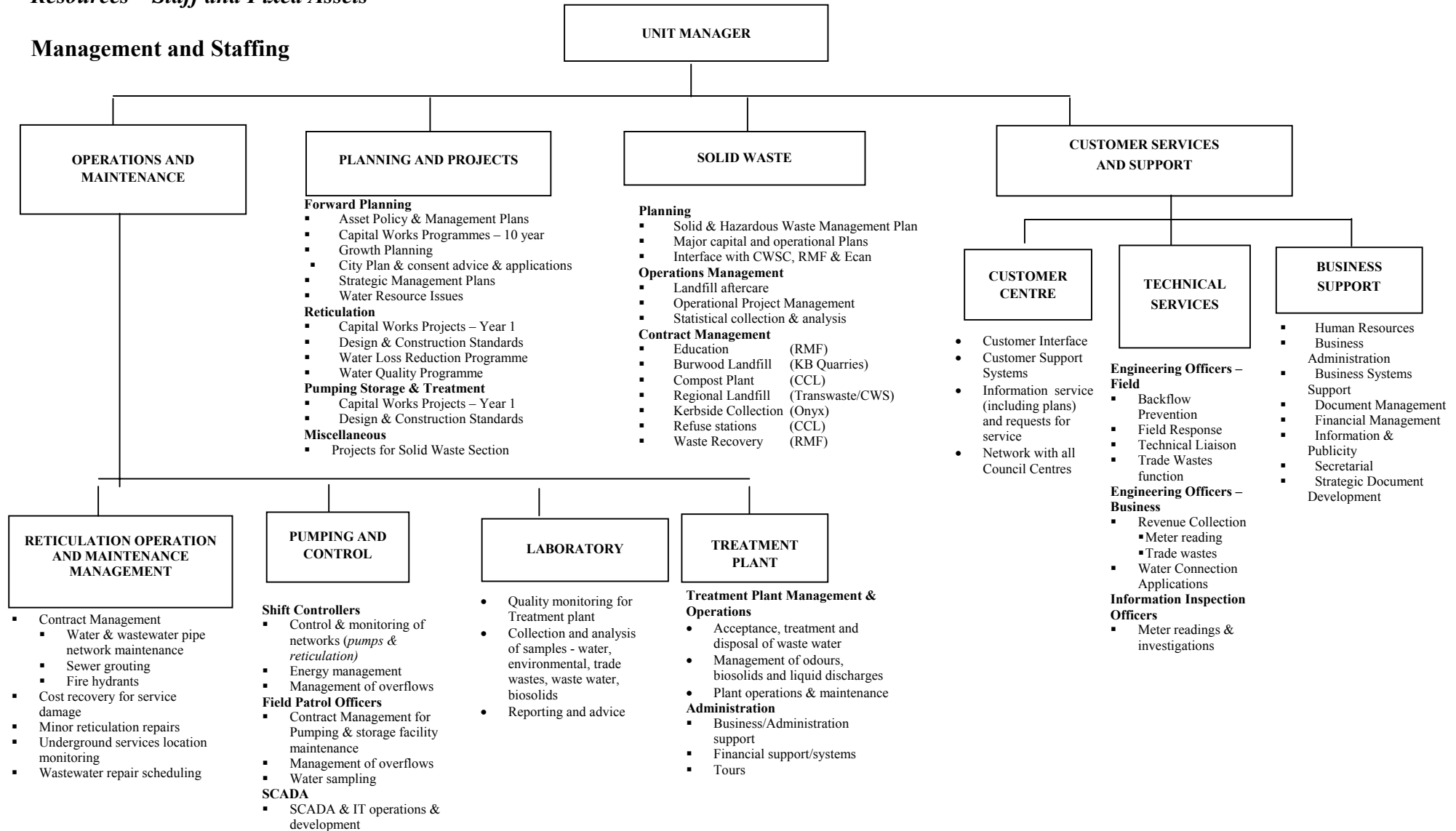
***Providing Economic Value By***

- Managing water and waste activities in accordance with sound accounting and financial practices
- Planning and operating activities on the basis of lowest total life costs
- Conducting regular reviews of our activities to ensure efficiency and cost effectiveness while maintaining levels of service

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### *Resources – Staff and Fixed Assets*

### Management and Staffing



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### **Fixed Assets**

#### **Water**

- 53 primary pumping stations (sites with wells that abstract water) plus 34 secondary pumping stations (many, but not all are located at reservoirs)
- 1,300km water mains
- 2,000km water submains
- 114,000 connections
- 7 principal bulk storage reservoirs plus 30 secondary reservoirs
- Instrumentation and Control System
- Total replacement value \$312M, current depreciated value \$191M at June 2002

#### **Wastewater**

- 85 sewer pumping stations
- 1,580km of sewer mains in public roads
- 1,191km of sewer laterals in public roads (117,674 connections)
- 22,105 manholes
- 1,600 flushtanks
- 2 treatment plants
- reticulation assets with replacement value of \$582M, current depreciated value of \$291M at June 2000

#### **Solid Waste**

- 3 refuse stations
- 1 compost manufacturing plant and collection centres located at the refuse stations
- 3 recycling centres located at the refuse stations
- 1 landfill

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***Budget Summary***

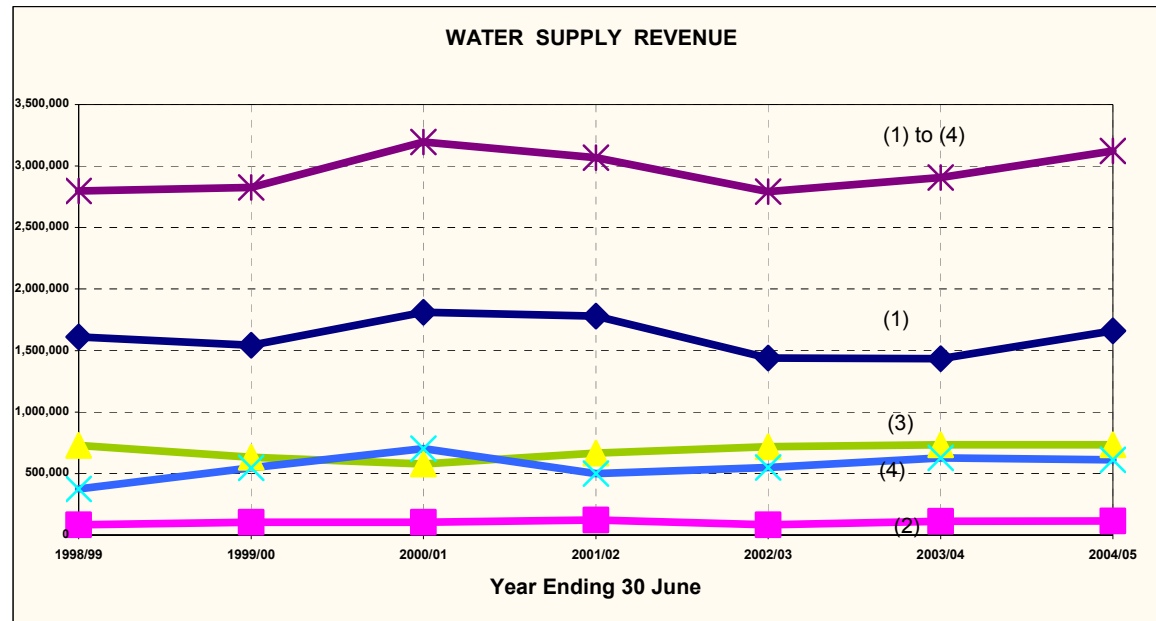
• Water Supply operational	gross cost \$14.1M	revenue \$3.2M	net cost (on rates) \$10.9M
• Water Supply capital	cost \$5.2M		
• Wastewater operational	gross cost \$24.5M	revenue \$3.7M	net cost (on rates) \$20.8M
• Wastewater capital	cost \$15.3M		
• Solid Waste operational	gross cost \$23.0M	revenue \$22.9M	net surplus \$0.1M
• Solid Waste capital	cost \$5.0M		

***Future Projections***

The Unit budget is based on future projections for costs and revenues. These in turn are based on best estimates of various key trends which are outlined below. If for some unforeseen reason (eg, an economic recession or upturn) trends vary from best estimates then the Unit end of year financial result will differ from budget either up or down.

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### Water Supply Revenue & Consumption Charge



### Revenue

Year to 30 June		Water Billing Revenues (1)	Reticulation Contract Services (Landsdowne, etc) (2)	New Connection Fees (3)	Headworks Capacity Upgrade Fees (4)	Total Revenues (1) to (4)
1998/99	Actual	1,612,000	82,000	729,000	374,000	2,797,000
1999/00	Actual	1,542,000	105,000	632,000	546,000	2,825,000
2000/01	Actual	1,810,000	105,000	578,000	703,000	3,196,000
2001/02	Actual	1,779,000	123,000	665,000	500,000	3,067,000
2002/03	Budgeted	1,440,000	83,000	718,000	550,000	2,791,000
2003/04	Projected	1,433,000	113,000	734,000	627,000	2,907,000
2004/05	LTOP	1,660,000	115,000	735,000	612,000	3,122,000

### Consumption Charge\*

5-Year Average CuM	Expenditure Excluding GST \$	Water Consumption Charge cents/CuM Including GST
51,000,000	11,991,000	26.45
49,200,000	13,251,000	30.30
49,616,000	12,767,000	28.95
49,300,000	13,187,000	30.09
49,000,000	13,753,000	31.58
49,000,000	14,114,000	32.40
49,000,000	14,370,000	32.99

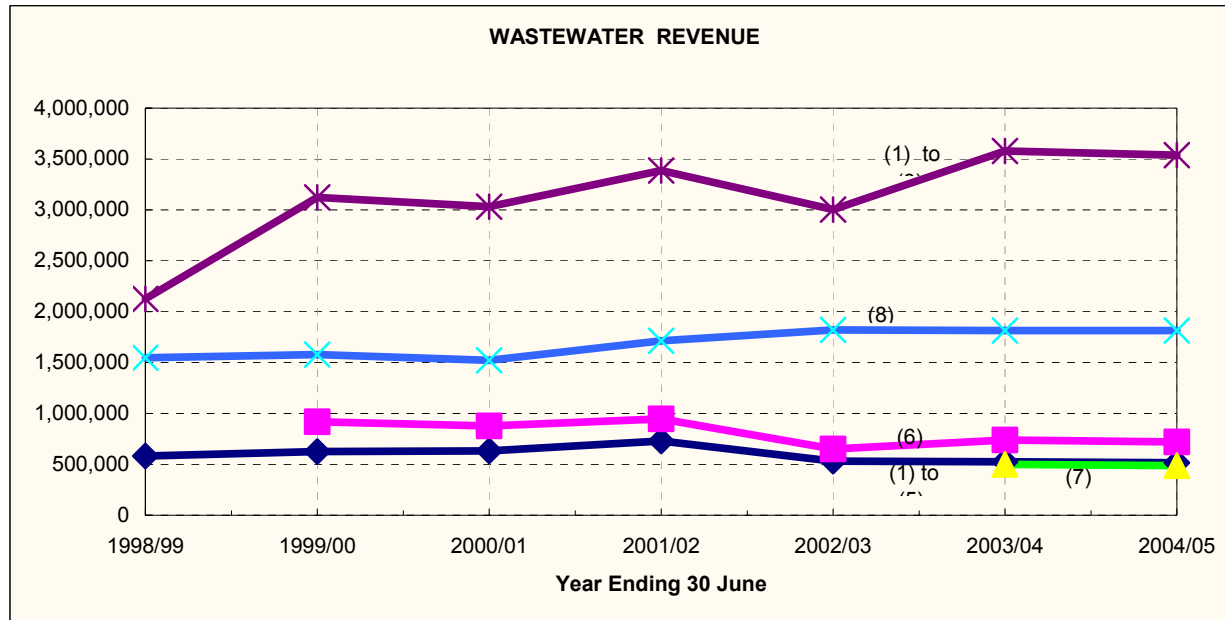
\*Note: Further financial analysis of water production cost is intended to occur in 2003 and this may result in the calculated cost increasing beyond the present schedule rate of 33 cents/CuM.

(3) This fee is for water meter, valve, toby box costs etc.

(4) This fee is for capital infrastructure recovery costs

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### Wastewater Revenue



Year to 30 June		Energy Sales (1)	Tankered Waste & Airport (2)	Cross Boundary Recoveries (3)	Reticulation Recoveries (4)	Misc.-Laboratory, Scrap, Plans, etc (5)	Total Retic. & CWTP Revenues Etc (1) to (5)	CWTP Capacity Upgrade Fees (6)	Reticulation Capacity Upgrade Fees (7)	Trade Waste Revenue (8)	Total External Revenue (1) to (8)
<b>1998/99</b>	Actual	168,000	237,000	64,000	43,000	69,000	581,000			1,546,000	<b>2,127,000</b>
<b>1999/00</b>	Actual	240,000	213,000	98,000	49,000	25,000	625,000	919,000		1,578,000	<b>3,122,000</b>
<b>2000/01</b>	Actual	207,000	172,000	95,000	121,000	38,000	633,000	877,000		1,523,000	<b>3,033,000</b>
<b>2001/02</b>	Actual	208,000	181,000	105,000	176,000	58,000	728,000	945,000		1,715,000	<b>3,388,000</b>
<b>2002/03</b>	Budgeted	132,000	205,000	96,000	37,000	61,600	511,600	650,000		1,820,000	<b>3,001,600</b>
<b>2003/04</b>	Projected	150,000	170,000	105,000	37,000	64,000	526,000	738,000	500,000	1,815,000	<b>3,579,000</b>
<b>2004/05</b>	LTOP	150,000	170,000	100,000	37,000	58,000	515,000	721,000	488,000	1,815,000	<b>3,539,000</b>

**Notes:**

(3) Cross Boundary Recoveries = Prebbleton, Tai Tapu, Lincoln/Springston

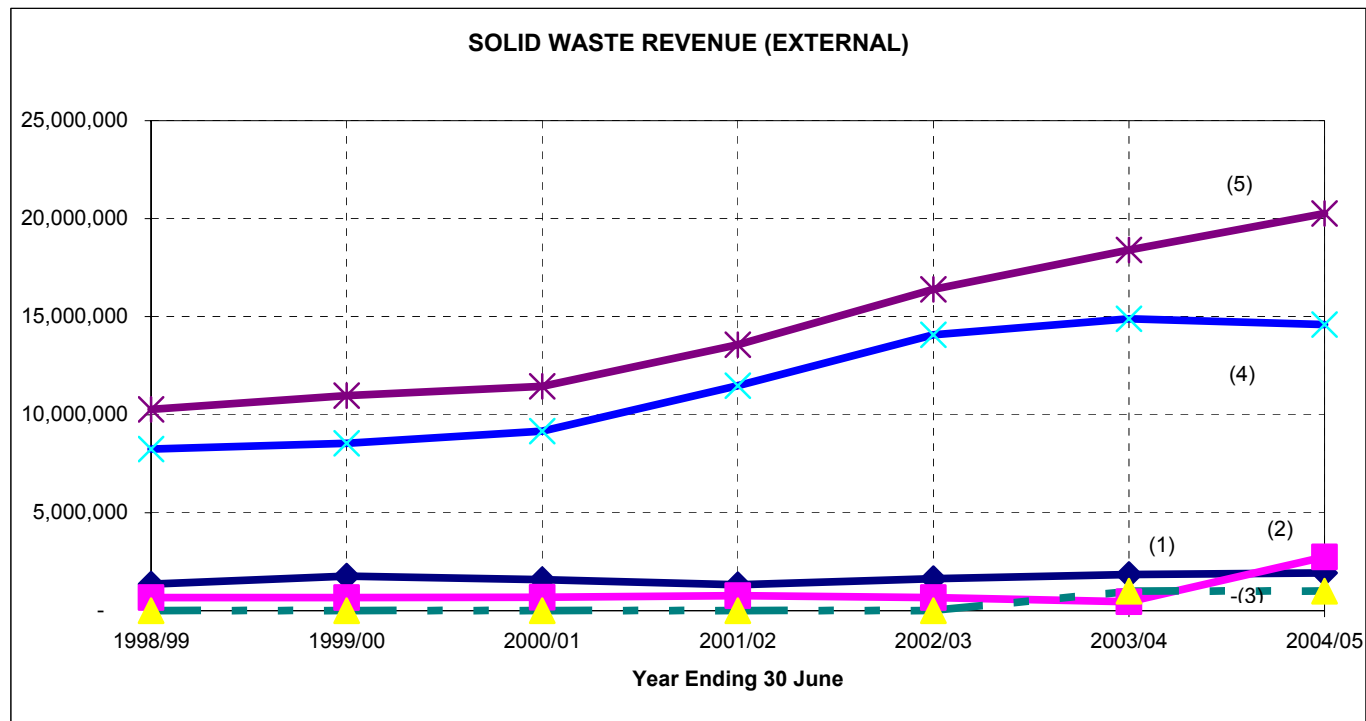
(4) Reticulation Recoveries = Sewer Lateral Recoveries, Cost Sharing Contributions, Storm Water Inflow Recoveries.

(6) & (7) These fees are for capital infrastructure recovery costs



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### Solid Waste Revenue

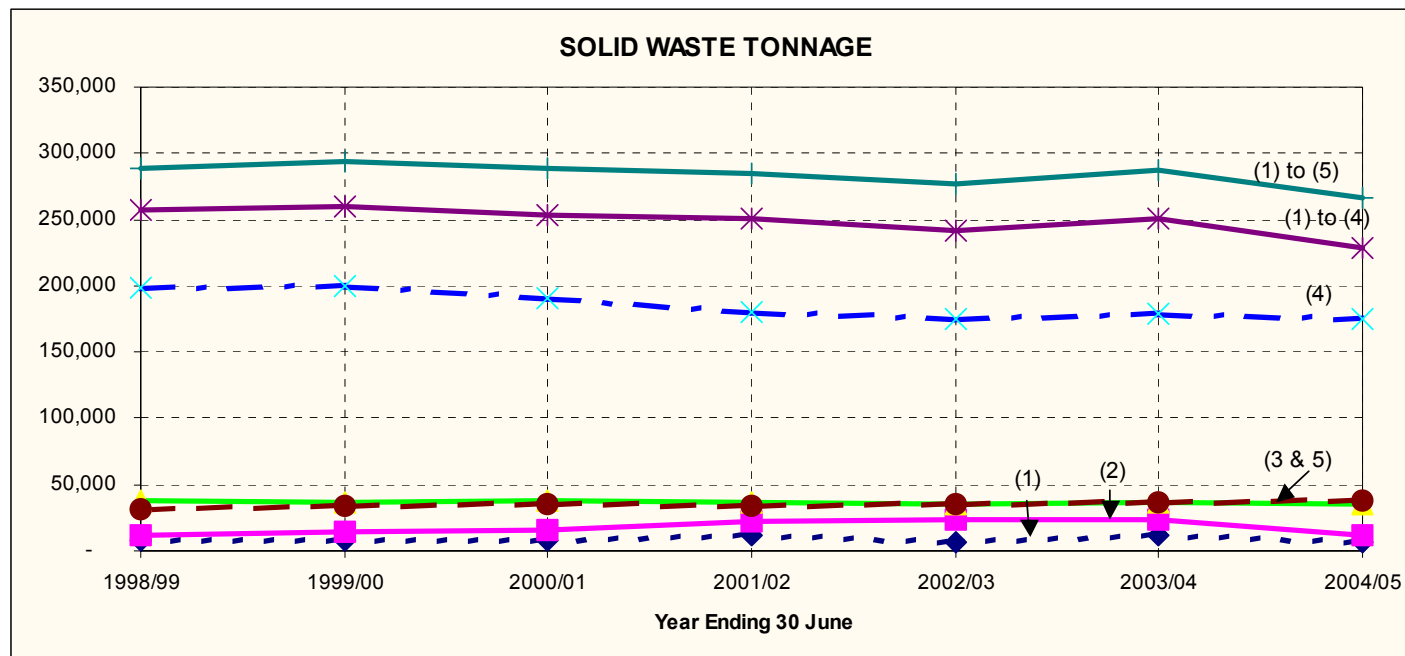


Total		Green Waste & Compost Sales	Black Bag Sales	Hardfill Operators Levy	General Refuse (all other tipping fee revenue incl msc revenue)	Total
		(1)	(2)	(3)	(4)	(1) to (4)
<b>1998/99</b>	Actual	1,358,000	666,000		8,254,000	<b>10,278,000</b>
<b>1999/00</b>	Actual	1,757,000	674,000		8,537,000	<b>10,968,000</b>
<b>2000/01</b>	Actual	1,591,000	690,000		9,166,000	<b>11,447,000</b>
<b>2001/02</b>	Actual	1,319,000	770,000		11,483,000	<b>13,572,000</b>
<b>2002/03</b>	Budgeted	1,639,000	665,000		14,083,000	<b>16,387,000</b>
<b>2003/04</b>	Projected	1,842,000	465,000	1,000,000	14,896,000	<b>18,403,000</b>
<b>2004/05</b>	LTOP	1,928,000	2,743,000	1,000,000	14,600,000	<b>20,271,000</b>

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## Solid Waste

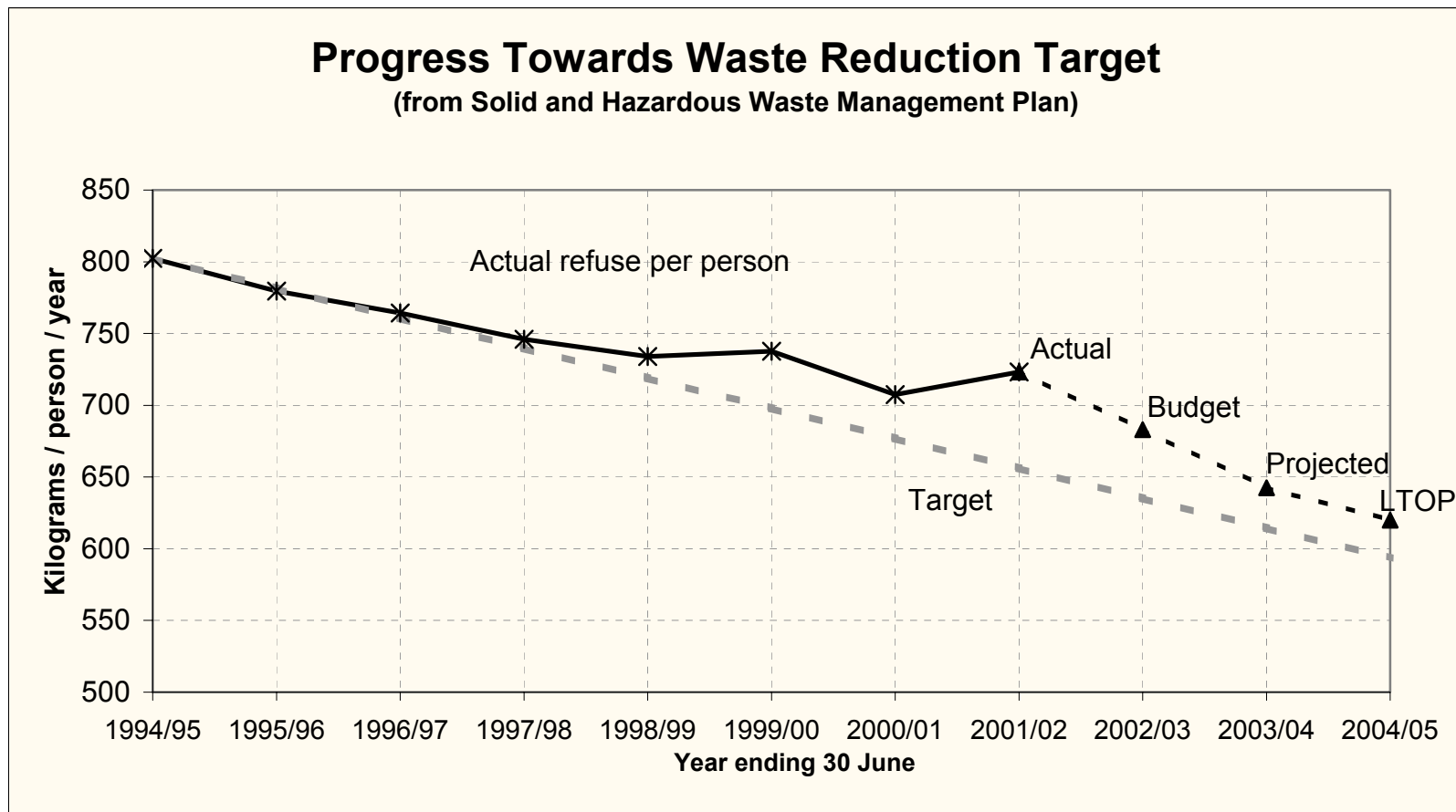
### Refuse Tonnage



Total		Hardfill to landfill (1)	Other Councils (2)	Black bag collection (3)	General refuse and light vehicles (4)	Total refuse and hardfill (1) to (4)	Greenwaste (5)	Total (incl green) (1) to (5)
1998/99	Actual	8,000	12,000	38,000	199,000	257,000	31,500	288,500
1999/00	Actual	8,000	15,000	37,000	200,000	260,000	34,000	294,000
2000/01	Actual	8,000	16,000	38,000	191,000	253,000	35,500	288,500
2001/02	Actual	11,900	22,000	37,000	180,000	250,900	33,500	284,400
2002/03	Budgeted	7,000	23,500	35,000	175,000	240,500	35,500	276,000
2003/04	Projected	12,000	24,000	36,500	178,500	251,000	36,500	287,500
2004/05	LTOP	6,000	12,000	35,500	175,000	228,500	37,500	266,000

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### *Reduction Goals*



This graph is based on the refuse quantities in the preceding tables and on population figures from Statistics New Zealand Christchurch Quarterly Review.

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## Solid Waste

A brief comment on each of the solid waste streams and the proposed charges for these streams follows:

### *General Refuse*

Following a two and a half year downward trend, general refuse tonnage has shown a recent increase. The 2003/04 figure has therefore been estimated at 3,500/t more than 2002/03.

### *Proposed Charges (including GST)*

Refuse:	97.00/t
Hardfill:	35.80/t

### *Black Bag Collection*

Despite increasing recyclables tonnages, black bag tonnage has not decreased as much as expected. The 2003/04 estimate has been adjusted upwards slightly.

Refuse:	97.00/t
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### *Other Councils*

This is expected to decline slightly as other Council's waste minimisation initiatives take effect. However with Hurunui now inputting to Burwood there is a slight increase.

Refuse:	33.90/t
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### *Hardfill to Burwood*

The previously expected reduction from rising waste fees is not occurring and the 2003/04 estimate has been increased up to previous levels.

Hardfill:	35.80/t
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### *Green Waste*

Since the downturn caused by the need to reject potentially spray contaminated green waste, tonnages have shown growth which has been reflected in the 2003/04 estimate.

Green waste (60% of refuse fee)	58.20/t
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### *Treated Hazardous Waste*

Tonnages are included in the General Refuse.

119.50/t
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### *Direct to Burwood Charges*

The Council recently resolved to allow some general refuse to go direct to Burwood under certain conditions and at a reduced tipping fee. This fee will be maintained until Burwood closes except for minor CPI adjustments.

65.00/t
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### *Incentive/Disincentive Charges*

Workable incentive/disincentive charges are being investigated, including dialogue with waste operators. It is proposed initially that a disincentive charge be applied to green waste mixed inseparably with refuse.

\$112.50/t
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### *Licensing Operators*

As resolved during the 2002/03 Annual Plan process, it is proposed to apply a Waste Minimisation Levy on hardfill being tipped at all cleanfills within Christchurch City boundaries. The objective is to produce more revenue to fund waste minimisation activities in the Council's drive towards its waste reduction goals. This item is conditional upon confirmation via the Solid & Hazardous Waste Management Plan process in 2003.

3.00/t
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**REVENUE SENSITIVITY ANALYSIS**

The calculation of revenue is not an exact science. It is based on many variables such as predicted population increase, subdivisional development, past trends and the like. In the past the Unit has tended to under predict revenue to avoid a bad end of year financial result. This is one of the key reasons the Unit has been underspent for the past two to three years.

Because it is impossible to precisely predict revenue, the budget is based on a ‘most likely’ scenario which is labelled ‘realistic’ in the table below. Also shown are ‘optimistic’ and ‘pessimistic’ revenue assessments. The point to note here is the final result is expected to lie in the band between upper bound ‘optimistic’ and lower bound ‘pessimistic’ figures and only actual history will reveal the final result.

	<b>Pessimistic</b>	<b>Realistic</b>	<b>Optimistic</b>
	<b>(\$000's)</b>	<b>(ie 2003/04 Budget)</b>	<b>(\$000's)</b>
<b><u>Water Supply</u></b>			
Water Sales	1,400	1,478	1,600
New Connection Fees	550	681	700
Water Supply Capacity Upgrade Fee	550	580	700
<b>Sub-Total Water Supply</b>	<b>2,500</b>	<b>2,739</b>	<b>3,000</b>
<b><u>Wastewater</u></b>			
Trade Waste Charges	1,800	2,020	2,200
CWTP - Capacity Upgrade Fee	500	650	900
Reticulation Capacity Upgrade Fee	400	500	600
<b>Sub-Total Wastewater</b>	<b>2,700</b>	<b>3,170</b>	<b>3,700</b>
<b><u>Solid Waste</u></b>			
Cleanfill Waste Minimisation Levy	0	1,000	1,000
Wasterpays' Black Bag Sales	552	665	780
General Refuse Tonnage	13,150	13,578	14,000
<b>Sub-Total Solid Waste</b>	<b>14,150</b>	<b>15,776</b>	<b>16,350</b>
<b>Total Revenue Sensitivity for Unit</b>	<b>\$18,902</b>	<b>\$21,152</b>	<b>\$22,480</b>

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### Notes

Revenue for the Unit is made up of many streams - refer to the preceding tables and graphs. The sensitivity table above analyses only the significant revenue streams.

The Solid Waste revenue is based on the following tonnages of general refuse:

Pessimistic	168,500t
Realistic	173,500t
Optimistic	178,500t

The change in revenue/tonne of general refuse = number of tonnes x \$84.80/tonne.

Note here that for Solid Waste 'optimistic' and 'pessimistic' refers to revenue not environmental waste minimisation targets.

### KEY CHANGES OPERATIONAL

The summary table below schedules the main items contributing to the difference between the 2002/03 and 2003/04 operating budget.

It is to be appreciated that with each of the Water Supply, Wastewater and Solid Waste budgets being very large in their own right, it is impractical to itemise each and every change. For these reasons there are a large number of minor saving and committed cost increases that balance each other out that are not reported here.

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**Table of Committed Cost Differences between 2002/03 and 2003/04 Operational Budget**

<b>2002/03 vs 2003/04</b>	<b>\$000's</b>	<b>Note: ( ) = Cost Saving or External Revenue Increase</b>
<b>Net Operating Plan City Water &amp; Waste 2002/03</b>	<b>28,359</b>	<b>(1) = Adjustment due to assessment of requirement for 2003/04 year versus previous year</b>
<b><u>Key Controllable Changes in 2003/04 Operating Plan</u></b>		
Total People and Training Cost Decreases	(33)	as scheduled below
Net Costs Savings/Revenue Increase Water Supply	(169)	as scheduled below
Net Cost Increases/Revenue Increase Wastewater	155	as scheduled below
Net Cost Savings/Revenue Increase Solid Waste	(2,345)	as scheduled below
<b>Net Controllable Cost Savings/Revenue Increases</b>	<b>(2,392)</b>	
<b><u>Key Non-Controllable Changes in 2003/04 Operating Plan</u></b>		
Corporate & Financial Services Unit Overhead Allocation	(45)	
Christchurch City Council Rental Space & Storage Charges	216	Primarily Parkhouse Rd Transfer Station
Christchurch City Council Debt Servicing Costs	73	
ACC Levy & Work Accident Costs	90	
MIS Charges	(51)	
Depreciation	6,285	Straight Line Depreciation Method instead of LRARA
Insurance	(67)	
People time allocation to Operating instead of Capital	(96)	Estimated increase in capital activity vs operational activity
Burwood Landfill	199	Change in Accounting Policy relating to Landfill Aftercare Provision ( no effect on rates requirement)
<b>Net Non-Controllable Cost Increases/Revenue Increases</b>	<b>6,604</b>	
<b>Net Operating Plan City Water &amp; Waste 2003/04</b>	<b>32,571</b>	

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<b>Key Controllable Changes in 2003/04 Operating Plan</b>		
<b>People Related Costs</b>		
People Costs	(15)	(1)
Staff Training	(18)	(1)
<b>Total Cost Centre Increases</b>	<b>(33)</b>	
<b>Water Supply Direct Expenses</b>		
Water Sales Revenue Increase	(20)	Anticipated revenue increase
Capital Works Revenue	(93)	New Connections & Development Contribution
Backflow Prevention Costs	(12)	(1)
Asset Management - Professional Fees	(66)	Meritec requirements now complete
Headworks - Diesel	50	(1)
Headworks - Electricity	(20)	(1)
Headworks - Direct Costs	22	(1)
Reticulation - Contract	35	City Care Contract
Reticulation - Revenue	(15)	Anticipated revenue increase
Reticulation - Maintenance	(9)	(1)
Water Infrastructure Rates	(25)	Could/should be regarded as 'non-controllable' as enforced
Other Direct Costs	(16)	(1)
<b>Net Costs Savings/Revenue Increase Water Supply</b>	<b>(169)</b>	
<b>Wastewater Direct Expenses</b>		
Trade Waste Revenue Decrease	16	(1)
Advanced Planning - Professional Fees	20	Shift of external professional resources from capital to operating
Asset Management - Professional Fees	50	Increased requirements as a result of the Meritec review
Asset Mgmt - Stormwater Infiltration Survey	(30)	Survey now completed
Asset Mgmt - GeoData Development	29	(1)
Pumping - Electricity	20	Based on indicated price increase
Pumping - Maintenance	53	Alarm System



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Pumping - City Care Contract	(153)	Contract adjustment
Reticulation - Sewer Lateral Repairs	15	Sewer lateral repairs increasing
Reticulation - CCTV Inspections	25	(1)
Reticulation - Sewer Overflow Monitoring & Stations	120	New sewer overflow monitoring consent requirement
Reticulation - GeoData Development	52	(1)
Wastewater Infrastructure Rates	55	Could/should be regarded as 'non-controllable' as enforced
Templeton Decommissioning	(90)	Now complete - budget no longer required
Laboratory Revenue	(8)	(1)
<b>ChCh Treatment Plant Operations</b>		
Cleaning	3	(1)
Polymer Sludge	50	Unanticipated extra polymer required
Resource Consent Monitoring	200	For new 5-year estuary consent
HotRot Operations	20	New activity
Imported Power	80	Based on indicated price increase
Diesel & Lube	20	(1)
Maintenance - Ponds, Grounds, Mechanical, Tanks, Clarifiers	127	(1)
Maintenance - Power Generators	19	(1)
Biosolids - Polymer Purchase (De-watering)	50	(1)
Capacity Upgrade Fees	(588)	New revenue stream from Reticulation Capacity Upgrade Fees plus increase in CWTP Capacity Upgrade Fees
<b>Net Cost Increases/Revenue Increase Wastewater</b>	<b>155</b>	
<b>Solid Waste Direct Expenses</b>		
Commercial Waste Reduction	(100)	Reduction in funding - Resource Efficiency Team
Resource Recovery Centre	(202)	Lease instead of Management Contract and reduction in Council funding
Kerbside Recycling Collection Contract	62	CPI & Tonnage growth
RMF Funding Reduction	(786)	Change in RMF Funding
City Composting Facility	(112)	Reduction in City Care Management Fee
Compost Sales & Tipping Revenue	(171)	Increase in tipping charges

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Black Bag Purchase	(827)	‘Waster Pays’ moves cost to Corporate Services
User Pays Black Bag Publicity Costs	320	Publicity programme to reduce illegal dumping & funding hardship/free bags
ONYX Black Bag Collection Contract	108	CPI and growth
Black Bag Sales	(533)	‘Waster Pays’ for May and June 2004
Black Bag Disposal Fees	451	Growth and increased tipping fee
Metro Refuse Station - Maintenance	4	(1)
Metro Refuse Station - City Care Management Fee	149	Contract increase
Metro Refuse Station – Tipping Fees	72	Less revenue as a result of Burwood direct entry
Parkhouse Refuse Station - Maintenance	(51)	Re-scheduled maintenance between Refuse Stations
Parkhouse Refuse Station - City Care Management Fee	19	Contract increase
Parkhouse Refuse Station - Tipping Fees	718	Less revenue as a result of Burwood direct entry
Styx Mill Refuse Station - City Care Management Fee	45	Contract increase
Styx Mill Refuse Station - Maintenance	73	Rescheduled maintenance
Styx Mill Refuse Station – Tipping Fees	(13)	(1)
Burwood - Blair Contract	300	Increase in machine time for cover placement and consent compliance
Burwood - Cover Material	210	Increase in cover material for previously delayed work and new resource consent
Burwood - Consent Monitoring	25	New consent conditions compliance costs
Burwood – Rehabilitation	55	Stage 1 recovering for gas control
Burwood - Gas Control	800	Stage 2 gas control system
Burwood - Maintenance	6	(1)
Burwood – Tipping fees	(1,263)	New revenue from direct entry and increased fee
Hazardous Waste Revenue Loss	120	Now included in general tipping revenue
Waste Fee Increase	(814)	Third fee increase in Kate Valley run-up plus tonnage increase
Waste Fee – Cleanfills	(1,000)	New revenue stream
Other Miscellaneous	(10)	(1)
<b>Net Cost Savings/Revenue Increase Solid Waste</b>	<b>(2,345)</b>	

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## Key Changes

### *Committed Costs (Operating)*

#### **Water Supply** (See previous table)

- Depreciation (now straight line method) 453,000
- Asset Management Professional Fees (66,000)
- Headworks diesel 50,000

#### **Wastewater** (See previous table)

- City Care Pumping Maintenance Contract (153,000)
- Templeton decommissioning contract (90,000)
- Asset Management professional fees 70,000
- Sewer overflow and monitoring stations 120,000
- CWTP Resource Consent monitoring 200,000
- CWTP maintenance 146,000
- Power price increase 80,000
- Polymer costs 100,000
- Depreciation 5,837,000

#### **Solid Waste** (See previous table)

- Commercial waste reduction (100,000)
- Resource Recovery Centre (202,000)
- RMF funding (786,000)
- City Care Refuse Contract 101,000
- Black bag purchase to corporate (827,000)
- Black bag publicity, and enforcement and hardship costs 320,000
- Burwood Landfill Contract 300,000
- Burwood cover material 210,000
- Burwood gas control 800,000

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

*Committed Costs (Operating) approved by Council subsequent to the Council meeting of 16 July 2002*

**Water Supply**

- Nil

**Wastewater**

- Nil

**Solid Waste**

- Reduction in revenue due to reduction in charges for direct loads to Burwood
  - For 2003/04 879,300
  - For 2004/05 (based on Kate Valley opening end of February 2005) 556,200

*Increased Costs due to Increased Demand*

**Water Supply**

- Water Supply pumping power costs expected to rise 3.7% 18,500

**Wastewater**

- Wastewater pumping costs expected to rise 3.7% 20,350

**Solid Waste**

- Refuse and Kerbside Recycling City growth 80,000

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
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### *New Operating Initiatives*

#### **Water Supply**

- Nil

#### **Wastewater**

- Nil

#### **Solid Waste**

- Nil in the meantime, however substantial future operational and capital expenditure will be required over a period of years on various elements of a solid waste strategic plan that is to be considered by the Council around April 2003. Note here that this strategy will include some items already included in the budget such as waster pays refuse bags and a processing plant for putrescibles.

### *Fee Changes*

#### **Water Supply**

- To recover full cost of the installation of standard new water connections. Increase from 370 to 425 including GST.

#### **Wastewater**

- Trade Waste charges under review

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
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ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

### Solid Waste

In its 2000/01 budget the Council adopted a strategy of increasing the general refuse fee from 52.44/t in 2000/01 to 90.40/t in 2003/04 over three successive years in the run up to the opening of the Kate Valley Landfill. This was to avoid a single massive increase in the 2003/04 year. When Kate Valley opens the Waste Minimisation Levy (WML) was to reduce from its current 12.00/t to 6.00/t. Note this excludes \$2/t Business Development Fund Levy which is an extra charge for a fund which is administered by the Recovered Materials Foundation and used to assist recycling business ventures. Against this background two conflicting objectives exist. Firstly Transwaste Canterbury Limited needs to keep the total gate fee down to an economically viable upper threshold. Secondly the Council needs more revenue to fund current and future waste minimisation activities, ie the Council needs to maintain a WML & BDFL together of at least 12.00/t. Taking these two conflicting objectives into account, a strategy shown in the table below is proposed for the general refuse charge.

**Table 1:**

	<b>2003/04</b>	<b>2004/05</b>	<b>2005/06</b>	<b>2006/07</b>	<b>2007/08</b>	<b>2008/09</b>
1. General Refuse Charge \$/t total (excl GST)	86.22	88.22	88.22	88.22	90.22	90.22
2. WML (included in line 1)	12.00	8.00	8.00	8.00	10.00	10.00
3. BDFL (included in line 1)	2.00	2.00	2.00	2.00	2.00	2.00

In 2004/05 the 88.22/t would be made up as follows:

• Refuse Stations – Christchurch City Council	13.90
• Transport – Canterbury Waste Services	19.00
• Landfill – Canterbury Waste Services	45.32
• Waste Management Levy – Christchurch City Council	8.00
• Business Development Fund Levy	<u>2.00</u>
<b>Total</b>	<b><u>88.22</u></b>

Note that the advantages of this Table 1 proposal are:

- The initial 2004/05 gate charge is reduced below 90.00/t to 88.22/t ie to 99.25/t inclusive of GST which is below the commercial viability threshold - this should assist Transwaste.
- The WML & BDFL together are capped at 10.00/t for three years from 2004/05 to 2006/07 – this provides Transwaste with a measure of pricing stability for three successive years.
- The WML & BDFL together are increased from 10.00/t to 12.00/t in 2007/08 – this increases the Council's revenue base for funding waste minimisation activities.
- By the time the WML & BDFL together hit 12.00/t in 2007/08 there should/could be national landfill standards legislation in place which will reduce the risk to Transwaste of waste leakage over the border to substandard landfills.

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***Contributions towards the \$10M Net Rates Savings Targets***

- The 2003/04 draft budget for the City Water and Waste Unit is \$664,634 less than the approved net direct cost projections. This represents the Unit contribution towards the \$10M net rates savings target which was established by the Council on 16 July 2002. (\$664,634)

**Water Supply**

- Nil

**Wastewater**

- The introduction of the Trunk Sewer Upgrading Contributions on new development to recover the costs of increasing capacity for growth allowed for in the Capital Programme (500,000)

**Solid Waste**

- The net effect of the partial introduction of user pays refuse bags and waste minimisation fund <sup>(1)</sup>additional revenue in 2004/05 (1,948,000)
- The net effects of Budget Scrutiny and Audit Committee investigations
  - RMF contract negotiations held increases down -
  - Target Zero reduced funding <sup>(1)</sup> saving in 2004/05 (200,000)
- Advertising on refuse bags additional revenue in 2004/05 (50,000)

<sup>(1)</sup> Allowed for in the approved financial model projections.

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
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### KEY CHANGES CAPITAL 10 YEAR

The table below schedules the changes included in the 10-year capital budget compared to 2002/03 Capital Programme (including inflation adjustment of 2%). The changes reflect:

- the Water Supply Asset Management Plan 2002 approved by the Council in April 2002 showing reduced capital spending from years 1 to 9 by 10.2 million
- refinement of the budget as a result of the Sewer Capacity Upgrading investigations reported to the Council in September 2002
- delaying of works to later years where appropriate to smooth expenditure and minimise carry forwards.

### Summary Table of Changes (from 2002/03) Included in 10-year Capital Budget

	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	Total
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Changes
<b>Water Supply</b>										
<b>Renewal and Replacement - Infrastructural</b>										
Replacement Mains	-310,000	-292,000	-359,000	-65,000	-77,000	-44,000	-46,000	-74,000	-48,000	-1,315,000
Replacement Submains	-211,000	-211,000	-211,000	-211,000	-211,000	-461,000	-461,000	-461,000	-264,000	-2,702,000
Well Replacements	200,000	92,000	-16,000	92,000	-16,000	-19,000	-16,000	-16,000	92,000	393,000
May's Rd Pump Station Replacement		-223,000				150,000	150,000			77,000
Pump Replacements	135,000	135,000	170,000	135,000						575,000
Fuel Tank Replacements	18,000	18,000	18,000	18,000	18,000	18,000				108,000
Fitzgerald Pump station Replacement	-167,000									-167,000
Pipework Replacements								100,000	100,000	200,000
Control and Indication	324,000	239,000	84,000	119,000	125,000					891,000
Westmoreland 2 Reservoir Replacement		270,000	-214,200							55,800
Cashmere Reservoir Replacement			515,000	9,700	-545,700					-21,000
Other pump station and reservoir replacements identified through Asset Management Plan	74,000	144,000	27,000	-69,000	-171,000	-327,000	-339,000	-220,000	-288,000	-1,169,000
<b>Asset Improvement - Infrastructural</b>										
Energy efficiency measures	100,000	100,000								200,000
Miscellaneous Changes	-38,000	-22,000	41,000	26,000	-4,000	-4,000	-4,000	-4,000	-4,000	-13,000
<b>New Assets - Infrastructural</b>										
Reticulation	5,000	39,000	38,000	-145,000	352,000	-250,000	-253,000	235,000	-2,360,000	-2,339,000
Reservoirs and pumping facilities for growth	-229,000	-448,000	-347,000	85,000	-467,000	69,000	79,000	-461,000	-2,699,000	-4,418,000
Connection costs	99,000	123,000	109,000	-45,000	-133,000	-152,000	-171,000	-186,000	-200,000	-556,000
<b>Annual difference (above 2% inflation adjustment) from 2002/03 Budget Water Supply</b>		-36,000	-145,200	-50,300	-1,129,700	-1,020,000	-1,061,000	-1,087,000	-5,671,000	-10,200,200
<b>Cumulative Difference Water Supply</b>		-36,000	-181,200	-231,500	-1,361,200	-2,381,200	-3,442,200	-4,529,200	-10,200,200	



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
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ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	Total Changes
<b>Wastewater</b>										
<b>Renewal and Replacement – Infrastructural</b>										
Lifelines, Brickbarrel Renewals	-1,080,000	-500,000								-1,580,000
P/Stn Upgrades	-82,000	-62,000								-144,000
D Panel Replacement				39,000						39,000
North Gallery Rewire				-21,000				-11,000	-10,000	-42,000
Channel Wall Repairs		100,000	100,000							200,000
<b>Renewal and Replacement – Fixed Assets</b>										
Filter Bearing			-32,000				32,000			
Programmable Logic Controllers Replacement								42,000		42,000
National Engine Replacement	-636,000	-636,000	637,000	637,000						2,000
Sed Tank Mechanical Equipment		-194,000	194,000							
Brick Building Repairs	-16,000		16,000							
Kelly Lewis Pump – Replacement	-127,000	-130,000	127,000	130,000						
*A' Panel & Large Display Screen	-32,000	32,000								
Raw Sludge P/P Replacement	-159,000		159,000							
FGR Bearings / Overhaul								-108,000	108,000	
Other Plant Renewals										
<b>Asset Improvement – Infrastructural</b>										
Trunk Main Upgrading	-1,558,000	-238,000								-1,796,000
Randolph St (PS 11) pump station upgrade	1,196,000	2,000,000								3,196,000
Expansion of Christchurch Wastewater Treatment Plant	2,184,000	-1,020,000	-1,627,000							-463,000
Header Manifold - Modifications (Pump Station A)	50,000	230,000								280,000
Cover Sludge Lagoons/Replacement	1,085,000							-1,056,000		
<b>Asset Improvement – Fixed Assets</b>										
Trickling Filter – Cover Painting	-21,000	21,000								
<b>New Assets - Infrastructural</b>										
Lifelines Equipment	35,000									35,000
Minor Plant	-31,000									-31,000
<b>Digesters</b>	1,000,000	3,000,000	2,000,000						-2,856,000	3,144,000
<b>New Assets - Fixed Assets</b>										
Crane (Portable)							-43,000			-43,000
<b>Annual difference (above 2% inflation adjustment, excluding ocean pipeline) from 2002/03 Budget Wastewater</b>	<b>1,808,000</b>	<b>2,603,000</b>	<b>1,574,000</b>	<b>785,000</b>			<b>-11,000</b>	<b>-1,133,000</b>	<b>-2,758,000</b>	<b>2,868,000</b>
<b>Cumulative Difference Wastewater (excl. Ocean Pipeline)</b>	<b>1,808,000</b>	<b>4,411,000</b>	<b>5,985,000</b>	<b>6,770,000</b>	<b>6,770,000</b>	<b>6,770,000</b>	<b>6,759,000</b>	<b>5,626,000</b>	<b>2,868,000</b>	

## 9.2.xxiv

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	Total
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Changes
<b>Programme Changes for Ocean Outfall</b>										
Aeration Blower Engine Room								-530,000		-530,000
Liquid waste - Stage 2b Investigation	-265,000	-265,000								-530,000
Waste Water Treatment Plant UV Sterilisation	-7,959,000	-7,959,000								-15,918,000
CWTP Pond Modifications - (Green Edge)	-51,000	-51,000	-7,220,000	-7,378,000	51,000	5,000,000	5,000,000	4,600,000		-49,000
Ocean Pipeline consent and investigations	600,000	600,000	400,000	400,000						2,000,000
Ocean Pipeline				20,000,000	25,000,000					45,000,000
<b>Total Changes due to Ocean Pipeline</b>	<b>-7,675,000</b>	<b>-7,675,000</b>	<b>-6,820,000</b>	<b>13,022,000</b>	<b>25,051,000</b>	<b>5,000,000</b>	<b>5,000,000</b>	<b>4,070,000</b>		<b>29,973,000</b>
<b>Solid Waste <sup>(1)</sup></b>										
Refuse Station Modifications	-2,623,660	2,623,660								
<b>Annual Difference Solid Waste</b>	<b>-2,623,660</b>	<b>2,623,660</b>								
<b>Cumulative Difference Solid Waste</b>	<b>-2,623,660</b>	<b>0</b>								<b>0</b>
<b>Total difference City Water and Waste (incl Ocean Pipeline)</b>	<b>-8,490,660</b>	<b>-2,485,340</b>	<b>-5,391,200</b>	<b>13,756,700</b>	<b>23,921,300</b>	<b>3,980,000</b>	<b>3,928,000</b>	<b>1,850,000</b>	<b>-8,429,000</b>	<b>22,640,800</b>
<b>Cumulative difference City Water and Waste (Inc Ocean Pipeline)</b>	<b>-8,490,660</b>	<b>-10,975,000</b>	<b>-16,366,200</b>	<b>-2,609,500</b>	<b>21,311,800</b>	<b>25,291,800</b>	<b>29,219,800</b>	<b>31,069,800</b>	<b>22,640,800</b>	

- (1) It is proposed that a 500,000 capital sum is included in 2003/04 years and onwards to be available to be bid for by the RMF on a triple bottom line business case basis as provided for in the Christchurch City Council / Recovered Materials Foundation contract. The first year (ie 2003/04) is compensated for by a 0.500M land purchase reduction adjacent to the refuse stations, not included in Draft Capital Works. This sum is not included in the table above.

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

**KEY CHANGES CAPITAL WORKS 2003/04***New Capital Initiatives and Matching Capital Substitutions***Water Supply****Fixed Asset Replacements****New Capital Initiative**

- Meter reading hardware and software - The existing Itron Meter reading equipment is no longer supported and requires replacement 25,000
- Replacement and renewal of seal in Compost Plant area 15,800

**Matching Substitution**

- Water Supply Network Model – The current provision for \$40,800 can be redirected to (1) replacement of Meter reading hardware and software, \$25,000 and (2) Compost Plant sealing \$15,800. The Water Supply Network modelling is no longer expected at this stage. -40,800

**Wastewater**

- Two new additional sludge digesters at CWTP, the need for which has become apparent due to significant problems with the existing four digesters during late 2002 caused by a combination of complex factors adding up to probable overloading (refer Tico Cohen report). There is a substitution of 2,800,000 already budgeted in 2011/12 for this item which should almost fund one of the two digesters. 6,000,000

**Solid Waste**

It is proposed that a 500,000 capital sum for technology and development projects is included in 2003/04 and subsequent years to be available to be bid for by the RMF on a triple bottom line business case basis as provided for in the Christchurch City Council/Recovered Materials Foundation service contract. This is an increase in the 104,000 currently budgeted of 396,000. In 2003/04 it can be offset by a reduction of 500,000 for strategic land purchase which is no longer required. There is no offsetting reduction in following years.

- Effect in 2003/04 = 500,000 extra – 500,000 land purchase – 104,000 existing -104,000
- Effect in subsequent years = 500,000 extra – 104 000 existing 396,000

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
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***Capital Cost Increases > 2%***

**Water Supply**

The Water Supply capital works programme was substantially modified through the Asset Management Plan approved by the Council in April 2002, resulting in significant increases and decreases in individual line items, but no change in Water Supply Capital Works overall, compared to the 2002/03 Capital works programme (after adjusting for 2% inflation increase).

• Replacement Mains	-310,000
• Replacement Submains	-211,000
• Replacement Wells	200,000
• Replacement pumps	135,000
• Replacement fuel tanks	18,000
• Fitzgerald Pump Station Replacement. The revised estimate based on more detailed design is less than the original estimate for this project	-167,000
• Control and indication. Medcon PLC controllers used in half the network require replacement over years 1 and 2 because they are at the end of their life and no longer supported	324,000
• Miscellaneous infrastructural asset improvements (identified in Capital Works Programme)	74,000
• Energy efficiency measures – Infrastructural Asset Improvements. This programme continues the system operations optimisation currently being used in the Ferrymead and Parklands Zones and is subject to a cost benefit analysis of this work	100,000
• Miscellaneous infrastructural asset improvements (identified in Capital Works Programme)	-38,000
• New Reticulation	5,000
• Reservoirs and pumping facilities for growth	-229,000
• Connection costs	99,000
<b>Total effect of variations in costs</b>	<b>Nil</b>

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

**Wastewater**

• Pump Station Upgrades (Infrastructural renewal and replacement) – This item is reduced from 162,000 to 80,000 while detailed investigations are carried out as part of the asset management plan review	-82,000
• Trunk Sewer upgrading (Infrastructural Improvements) – Following the Sewer Capacity Investigation, the total for trunk sewer upgrading has been reduced from 4,076,000 by 1,558,000. Of this reduction, 1,196,000 balances the increased expenditure on pumping facilities at Randolph Street, 2003/04 as part of the same project (below). The balance (362,000) has been delayed until year 2 in the programme and included in the 2,000,000 allowed for the Randolph Street Pump Station. See “ <i>Capital works delayed</i> ” below.	-1,196,000
• Randolph Street (PS 11) upgrade has been increased from an original estimate of 1,000,000 for a smaller station to 4.2 million following more detailed knowledge of the required upgrade (funded from within the overall long term upgrading programme)	1,196,000
• Minor Plant (New Assets – Infrastructural) – This item has increased from 31,000 to 35,000 and renamed “Lifelines Equipment” for the 2003/04 year only, in order to provide independent pumping from deep galleries at the Treatment Plant to mitigate the effects of flooding	4,000
• Liquid Waste Stage 2b Investigation – This item has increased from \$265,000 to \$600,000 under New Infrastructural Assets for Ocean Pipeline Consent and investigations	335,000
<b>Total effect of variations in costs</b>	<b>257,000</b>

**Solid Waste**

- Nil

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

***Capital works delayed from 2002/03 or brought forward from subsequent years***

**Water Supply**

- Nil

**Wastewater**

The following projects have been delayed until later years or brought forward in the capital works programme

• Lifelines, brick barrel renewals – This budget item relates to the Blenheim Rd section of the Brick Barrel Sewer which is being replaced as part of the Southern Relief Diversion (infrastructural improvements). This 1.08M in part balances the additional 2.0M required in year 2 for the Randolph Street Pump Station (a related project).	-1,080,000
• The proposed replacement of the National Engine at the CWTP (estimated 1.27M) has been delayed from years 1&2 to years 3&4	-636,000
• Brick building repairs (CWTP) delayed from year 1 to year 3	-16,000
• Replacement of Kelly Lewis pump at CWTP (estimated 257,000) delayed from years 1&2 to years 3&4	-127,000
• Delay replacement of “A” electrical Panel and display screen (CWTP) from year 1 to year 2	-32,000
• Delay replacement of raw sludge pump replacement (CWTP) from year 1 to year 3	-159,000
• Expansion of Christchurch Wastewater Treatment Plant – Bringing forward \$2.1M allowed for in years 2&3 to year 1 will allow completion of this expansion project	2,184,000
• Delay painting of Trickling Filter Cover from year 1 to year 2	-21,000
• Trunk Sewer Upgrading – 362,000 delayed to year 2 where it contributes to the 2.0M required for the Randolph Street Pump Station upgrade as described above in " <i>Capital Cost Increases</i> ".	-362,000
• Pump Station A at CWTP, Header Manifold, 50,000 from this project brought forward from year 2 to allow completion on schedule	50,000
• Covering of biosolid lagoons – 1.085M brought forward from year 8 to year 1 due to odours caused by changes in digester loading	1,085,000
• Wastewater Treatment Plan UV Sterilisation -7,959,000 deleted from year 2003/04	-7,959,000
• CWTP Pond Modifications – Green Edge – This project has been delayed to commence year 5 in the Capital programme	-51,000
	<u>-7,124,000</u>

**Solid Waste**

• Part of the expenditure for refuse station modifications shifted from 2003/04 to 2004/05	<u>-2,623,660</u>
<b>Total effect on 2003/04 Budget due to changes in timing of Capital Works</b>	<u><u>-9,747,660</u></u>

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

#### SCHEDULE OF CAPITAL 10-YEAR LINES THAT INCLUDE AN ITEM 0.5M OR GREATER

The purpose of this table is to provide an overview of the major capital items included in the Unit's 10-year budget. It also provides an explanation of the reason the 10-year budget roller coasts somewhat from year to year and will therefore be a useful tool if corporate capital smoothing is required.

Item	1 2003/04	2 2004/05	3 2005/06	4 2006/07	5 2007/08	6 2008/09	7 2009/10	8 2010/11	9 2011/12	10 2012/13	Totals
<b>Water Supply</b>											
Replacement Mains	1.247	1.247	1.425	1.425	1.425	1.782	1.782	1.782	2.138	2.138	
Replacement Submains	0.692	0.692	0.692	0.692	0.692						
Cashmere Reservoir Replacement			0.515	0.535							
New Mains Programme					0.726			0.626	0.626		
New Pump Station Northern Area						0.700	0.700			0.700	
New C/Ns (Schedule) – 13mm	0.572										
Unallocated						0.543	0.529	0.515	0.501	0.487	
<b>Wastewater</b>											
Sewer Renewal - City Wide	1.610	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	
Sewer Grouting Contract	0.662										
Lifelines, Brickbarrel Renewals		0.580	1.080	1.080							
Pre-aeration Tank Covers										0.600	
National Engine Replacement			0.637	0.637							
Belt Press Replacement							0.758				
Treatment Plant Equipment Various							2.032				
Aeration Blower Engine Room											
Allen Engine Replacement									1.632		
P/stn No. 11 Pressure Main Upgrading	2.300	1.200									
Fisher Ave to PS20 Trunk		1.400									
Northern Relief							0.800				
Grassmere storage							1.000	0.500			
Maidstone Storage									1.960		
Wigram Augmentation							0.720	1.780			
Riccarton Interceptor								0.800	1.125		
Southern relief improvement			3.138	3.084	3.084	3.084				3.084	
P/stn 11 Major Upgrade	1.700	2.000									
Belfast WWTP Upgrade					1.624	1.624					
Expansion of CWTP	2.250										
Waste Water Treatment Plant UV Sterilisation						6.000					
CWTP Pond Modifications - (Green Edge)							7.200	7.400			

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RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

Item	1 2003/04	2 2004/05	3 2005/06	4 2006/07	5 2007/08	6 2008/09	7 2009/10	8 2010/11	9 2011/12	10 2012/13	Totals
Header Manifold - Modifications		0.500									
Cover Sludge Lagoons/Replacement	1.085										
5 <sup>th</sup> & 6 <sup>th</sup> Digester	1.000	3.000	2.000								
Third Sludge Thickening Machine								0.400			
Ocean Pipeline Consents & Investigations	0.600	0.600	0.400	0.400							
Ocean Pipeline				20.000	25.000						
<b>Solid Waste</b>											
Refuse Stations Modifications to accommodate new vehicles	1.198	3.531									
New Canterbury Regional Landfill	0.400										
Start up In vessel Compost Plant	2.894	2.894	0.500								
Strategic Land Purchase Reserve	0.500										
<b>Total of Items Greater than 0.5m</b>	<b>15.710</b>	<b>16.404</b>	<b>12.147</b>	<b>29.613</b>	<b>34.311</b>	<b>15.493</b>	<b>17.281</b>	<b>15.563</b>	<b>12.542</b>	<b>8.769</b>	<b>177.833</b>
Variances Year to Year		-0.694	-4.257	19.466	4.698	-18.818	1.788	-1.718	-3.021	-3.773	
<b>Total City Water &amp; Waste Budget</b>	<b>22.492</b>	<b>21.919</b>	<b>15.141</b>	<b>34.792</b>	<b>39.714</b>	<b>19.833</b>	<b>23.046</b>	<b>21.472</b>	<b>18.139</b>	<b>13.655</b>	<b>230.203</b>
Variances Year to Year		-0.573	-6.778	19.650	4.922	-19.881	3.214	-1.574	-3.333	-4.483	



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

### SUMMARY OF OBJECTIVES AND PERFORMANCE INDICATORS THAT TRANSFER TO THE FINANCIAL PLAN AND PROGRAMME

In later text a series of objectives and indicators are listed for water, wastewater and solid waste. Those objectives and indicators that are considered to be key for the Unit are italicised and bold. It is these that will be shown in the Council's Annual Plan document for public consultation. To provide a handy overview of these key objectives and indicators and also provide a 'liftout' ready for installation into the Annual Plan, they are summarised in the table below.

### Water Supply

Objectives for 2003/04			Performance Indicators		TBL Category
<i>Customer Service</i>	1.	<i>To provide the community with safe, convenient and efficient water supply services.</i>	1.1	<i>90% of customers are satisfied with the water quality taste.</i>	Social
			1.2	<i>Water supply service delivers value for money (Target: 90% customer satisfaction).</i>	Financial
			1.3	<i>Water supply cost per household (Target: \$98 per household).</i>	Financial
			1.4	<i>Continuity of water supply to customers (Target: less than 12 occasions where unplanned reticulation shutdowns result in the loss of water supply for longer than 4 hours).</i>	Environmental
			1.5	<i>95% of reported leaks in the Council's reticulation are repaired as scheduled: A (major/urgent) Contractor on site within one hour of a leak being reported. B (medium magnitude leaks) Leak repaired within one working day. C (minor) Leak repaired within three working days.</i>	
<i>Community Engagement</i>	2.	<i>To develop and enhance partnerships with the community and with governing bodies to achieve desired outcomes.</i>	2.1	<i>Water used per person is progressively reduced taking into account climatic factors (Target: 430 litres per person per day, 5 year rolling average).</i>	Environmental
			2.2	<i>Public commitment to water conservation (Target: 70% of people take regular action to reduce the amount of water they use at home).</i>	Social
			2.3	<i>Business commitment to water conservation (Target: 70% of target businesses take regular action to reduce the amount of water they use).</i>	Social
<i>Planning and Infrastructure Management</i>	3.	<i>To sustainably manage the water supply infrastructure and resource.</i>	3.1	<i>Water supply infrastructure is designed and operated to obtain long term overall efficiency (Target: 3 kilowatt hours per cubic metre of water).</i>	Environmental
			3.2	<i>Unaccounted for water is minimised (e.g. leaks, fire fighting, flushing, illegal connections etc) (Target: 150 litres per day per connection by June 2006).</i>	Environmental
<i>Compliance with Legislation</i>	4.	<i>To comply or surpass legislative requirements and standards</i>	4.1	<i>Water supplied to the community will meet or surpass the NZ Drinking Water Standards (report by exception, water quality measurements).</i>	Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

## Wastewater

Objectives for 2003/04			Performance Indicators		TBL Category
<i>Customer Service</i>	1.	<i>To provide the community with safe, convenient and efficient wastewater services.</i>	1.1	<i>The wastewater service delivers value for money (Target: 90% customer satisfaction).</i>	Social
			1.2	<i>Wastewater cost per household per year (Target: \$126 per household).</i>	Financial
			1.3	<i>The risk to wildlife from the treatment plant discharge is minimised (Target: pollutants in discharge reduced by 75% BOD and 75% suspended solids.)</i>	Environmental
			1.4	<i>When a complaint is received that could potentially affect public health (e.g. sewer blockage) and for which the Council is responsible, a contractor is on site within one hour (Target: 100% response rate)</i>	Environmental Social
<i>Community Engagement</i>	2.	<i>To develop and enhance partnerships with the community and with governing bodies to achieve desired outcomes.</i>	2.1	<i>Wastewater treated per person per day is progressively reduced taking into account climatic factor including infiltration and trade wastes (Target: 435 litres per person per day, 5 year rolling average).</i>	Environmental
<i>Planning and Infrastructure Management</i>	3.	<i>To sustainably manage the wastewater infrastructure</i>	3.1	<i>Number of overflows directly entering the waterways or rivers as a result of failure of Council pumping equipment. (Target: nil).</i>	Environmental
			3.2	<i>Greenhouse gas emissions into the environment are minimised and electricity generation from biogas is maximised (Target: less than 1% of total gas produced is flared off).</i>	Environmental
<i>Compliance with Legislation</i>	4.	<i>To comply with or surpass legislative requirements and standards.</i>	4.1	<i>Discharge air and wastewater quality meets Resource Consent conditions with nil penalties or fines (report by exception water quality measurements).</i>	Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>BUSINESS UNIT SUMMARY</b>

### Solid Waste

Objectives for 2003/04			Performance Indicators		TBL category
<i>Customer Service</i>	1.	<i>To provide the community with safe, convenient and efficient waste management services.</i>	1.1	<i>90% of customers are satisfied with the green crate recycling service.</i>	Social
			1.2	<i>80% of customers are satisfied with the black bag service provided.</i>	Social
			1.3	<i>Waste collection service delivers value for money (Target: 70% satisfaction).</i>	Financial
			1.4	<i>Cost of waste management per household (Target: \$126 per household).</i>	Financial
			1.5	<i>Incidence of reported illegal dumping excluding litter complaints. (Target: on average less than 2 occasions reported per week).</i>	Environmental
<i>Community Engagement</i>	2.	<i>To work with the community to reduce the waste generated in Christchurch through reduction at source, reuse, recycling and composting.</i>	2.1	<i>Amount of waste sent to landfill per person (Target: 650 kilograms per person per year for 2003/04).</i>	Environmental
			2.2	<i>Progress towards waste minimisation targets (Graph of total to landfill, greenwaste and kerbside recycling).</i>	Environmental
			2.3	<i>Amount kerbside recycled per household (Target: 2.4 kilograms per house / week for 2003/04).</i>	Environmental
			2.4	<i>Public commitment to waste minimisation (Target: 80% of people regularly take action to reduce the waste they produce).</i>	Social
			2.5	<i>Amount spent on waste minimisation activities per person (Target: \$15 per person).</i>	Financial
<i>Planning and Infrastructure</i>	3.	<i>To ensure appropriate planning and community engagement is undertaken to adequately provide for the management of solid and hazardous waste.</i>	3.1	<i>Number of opportunities provided for public engagement in the planning process (Target: at least 4 per year).</i>	Social
<i>Compliance with Legislation</i>	4.	<i>To operate waste management facilities that comply with or surpass legislative requirements and standards.</i>	4.1	<i>Compliance with resource consent conditions as recorded by Environment Canterbury (Target: nil non-compliance, report by exception).</i>	Environmental



## 9.2.1

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>BUSINESS UNIT SUMMARY</b>

**NET COST SUMMARY**

		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
<b>WATER SUPPLY</b>		\$	\$
OPERATIONS REVENUE	Page 9.2.7	(830,138)	(1,061,158)
INFORMATION AND ADVICE	Page 9.2.8	604,395	704,410
PLANNING	Page 9.2.9	1,232,393	1,070,905
SUPPLY OF WATER	Page 9.2.11	10,984,207	11,584,253
CAPITAL WORKS REVENUE	Page 9.2.12	(1,268,000)	(1,361,250)
		-----	-----
		10,722,857	10,937,160
<b>WASTEWATER</b>			
OPERATIONS REVENUE	Page 9.2.16	(1,688,433)	(1,730,003)
INFORMATION AND ADVICE	Page 9.2.17	147,710	178,568
PLANNING	Page 9.2.18	975,178	995,052
COLLECTION	Page 9.2.20	9,321,630	14,468,175
TREATMENT & DISPOSAL	Page 9.2.22	7,846,372	8,141,810
LABORATORY	Page 9.2.23	25,000	25,000
CAPITAL WORKS REVENUE	Page 9.2.24	(670,000)	(1,258,000)
		-----	-----
		15,957,457	20,820,602
<b>SOLID WASTE</b>			
INFORMATION AND ADVICE	Page 9.2.33	290,385	268,438
PLANNING	Page 9.2.34	341,093	319,042
WASTE REDUCTION	Page 9.2.35	512,069	406,316
REUSE	Page 9.2.36	159,356	(42,459)
RECYCLING	Page 9.2.39	3,637,282	2,948,466
RESOURCE RECOVERY	Page 9.2.40	320,725	(1,470)
RESIDUE DISPOSAL	Page 9.2.46	5,573,439	7,368,287
WASTE MINIMISATION REVENUE	Page 9.2.47	(9,155,901)	(11,114,000)
		-----	-----
		1,678,447	152,620
<b>TOTAL NET COST</b>		=====	=====
		28,358,761	31,910,383
<b>COST OF CAPITAL EMPLOYED</b>			
		=====	=====
		34,639,721	35,807,085
<b>CAPITAL OUTPUTS</b>			
INFRASTRUCTURAL ASSETS		20,970,401	20,614,229
FIXED ASSETS		1,683,403	5,564,482
		-----	-----
		22,653,804	26,178,711
		=====	=====

## 9.2.2

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>BUSINESS UNIT SUMMARY</b>

<b>OUTPUT CLASS EXPENDITURE</b>		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>WATER SUPPLY</b>			
OPERATIONS REVENUE	Page 9.2.7	819,862	608,842
INFORMATION AND ADVICE	Page 9.2.8	604,395	704,410
PLANNING	Page 9.2.9	1,232,393	1,070,905
SUPPLY OF WATER	Page 9.2.11	11,097,207	11,712,253
CAPITAL WORKS REVENUE	Page 9.2.12	0	0
		-----	-----
		13,753,857	14,096,410
<b>WASTEWATER</b>			
OPERATIONS REVENUE	Page 9.2.16	347,567	289,997
INFORMATION AND ADVICE	Page 9.2.17	167,710	198,568
PLANNING	Page 9.2.18	975,178	995,052
COLLECTION	Page 9.2.20	9,368,630	14,515,175
TREATMENT & DISPOSAL	Page 9.2.22	8,063,972	8,362,810
LABORATORY	Page 9.2.23	149,627	157,454
CAPITAL WORKS REVENUE	Page 9.2.24	0	0
		-----	-----
		19,072,684	24,519,056
<b>SOLID WASTE</b>			
INFORMATION AND ADVICE	Page 9.2.33	290,385	268,438
PLANNING	Page 9.2.34	341,093	319,042
WASTE REDUCTION	Page 9.2.35	512,169	406,316
REUSE	Page 9.2.36	159,356	6,541
RECYCLING	Page 9.2.39	4,118,782	3,450,566
RESOURCE RECOVERY	Page 9.2.40	2,008,178	1,856,914
RESIDUE DISPOSAL	Page 9.2.46	14,484,094	16,683,607
WASTE MINIMISATION REVENUE	Page 9.2.47	0	100,000
		-----	-----
		21,914,056	23,091,424
<b>TOTAL COST</b>		=====	=====
		54,740,597	61,706,891

## 9.2.3

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>BUSINESS UNIT SUMMARY</b>

<b>OUTPUT CLASS REVENUE</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
<b>WATER SUPPLY</b>		\$	\$
OPERATIONS REVENUE	Page 9.2.7	1,650,000	1,670,000
INFORMATION AND ADVICE	Page 9.2.8	0	0
PLANNING	Page 9.2.9	0	0
SUPPLY OF WATER	Page 9.2.11	113,000	128,000
CAPITAL WORKS REVENUE	Page 9.2.12	1,268,000	1,361,250
		-----	-----
		3,031,000	3,159,250
<b>WASTEWATER</b>			
OPERATIONS REVENUE	Page 9.2.16	2,036,000	2,020,000
INFORMATION AND ADVICE	Page 9.2.17	20,000	20,000
PLANNING	Page 9.2.18	0	0
COLLECTION	Page 9.2.20	47,000	47,000
TREATMENT & DISPOSAL	Page 9.2.22	217,600	221,000
LABORATORY	Page 9.2.23	124,627	132,454
CAPITAL WORKS REVENUE	Page 9.2.24	670,000	1,258,000
		-----	-----
		3,115,227	3,698,454
<b>SOLID WASTE</b>			
INFORMATION AND ADVICE	Page 9.2.33	0	0
PLANNING	Page 9.2.34	0	0
WASTE REDUCTION	Page 9.2.35	100	0
REUSE	Page 9.2.36	0	49,000
RECYCLING	Page 9.2.39	481,500	502,100
RESOURCE RECOVERY	Page 9.2.40	1,687,453	1,858,384
RESIDUE DISPOSAL	Page 9.2.46	8,910,655	9,315,320
WASTE MINIMISATION REVENUE	Page 9.2.47	9,155,901	11,214,000
		-----	-----
		20,235,609	22,938,804
		-----	-----
<b>TOTAL REVENUE</b>		26,381,836	29,796,508
		=====	=====
<b>NET COST</b>		28,358,761	31,910,383
		=====	=====

Note: The provision in the 2003/2004 budget for the transfer to the Burwood Landfill Stage 2C Aftercare special fund is \$937,376 (refer above).

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WATER SUPPLY – OUTPUT SUMMARY</b>

## OVERALL WATER SUPPLY

### Description

- The objectives in this section are those that are valid for the overall water supply activity that do not relate substantially to individual output classes.

Objectives for 2003/04	Performance Indicators	TBL Category
1. <i>To provide the community with safe, convenient and efficient water supply services.</i>	<ul style="list-style-type: none"> <li>90% of customers are satisfied with the water supply service.</li> <li><i>90% of customers are satisfied with the water quality / taste.</i></li> <li><i>Water supply service delivers value for money (Target: 90% customer satisfaction).</i></li> <li><i>Water supply cost per household (Target: \$98 per household).</i></li> </ul>	Social  Environmental  Financial  Financial
2. <i>To develop and enhance partnerships with the community and with governing bodies to achieve desired outcomes.</i>	<ul style="list-style-type: none"> <li><i>Water used per person is progressively reduced taking into account climatic factors including infiltration and trade wastes. (Target: 430 litres per person per day, 5 year rolling average).</i></li> <li>Opportunities for engagement in the planning process (Target: 2 opportunities provided for engagement per year).</li> <li><i>Public commitment to water conservation (Target: 70% of people take regular action to reduce the amount of water they use at home).</i></li> </ul>	Environmental  Social  Social
	<ul style="list-style-type: none"> <li><i>Business commitment to water conservation (Target: 70% of target businesses take regular action to reduce the amount of water they use).</i></li> </ul>	Social
3. <i>To sustainably manage the water supply infrastructure and resource.</i>	<ul style="list-style-type: none"> <li><i>Water supply infrastructure is designed and operated to obtain long term overall efficiency (Target: 3 kilowatt hours per cubic metre of water).</i></li> </ul>	Environmental



## 9.2.4

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OUTPUT SUMMARY</b>

<b>NET COST SUMMARY - WATER SUPPLY</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
<b>OPERATIONS REVENUE - WATER SUPPLY</b>			
Water Billing And Monitoring	Page 9.2.7	-830,138	-1,061,158
		-----	-----
		-830,138	-1,061,158
<b>INFORMATION AND ADVICE - WATER SUPPLY</b>			
Information And Advice	Page 9.2.8	604,395	704,410
		-----	-----
		604,395	704,410
<b>PLANNING - WATER SUPPLY</b>			
Planning	Page 9.2.9	1,232,393	1,070,905
		-----	-----
		1,232,393	1,070,905
<b>SUPPLY OF WATER - WATER SUPPLY</b>			
Headworks	Page 9.2.10	4,942,915	4,797,439
Reticulation	Page 9.2.11	6,041,291	6,786,814
		-----	-----
		10,984,207	11,584,253
<b>CAPITAL WORKS REVENUE - WATER SUPPLY</b>			
Capital Works Revenue	Page 9.2.12	-1,268,000	-1,361,250
		-----	-----
		-1,268,000	-1,361,250
<b>NET COST</b>		=====	=====
		10,722,857	10,937,160

## 9.2.5

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OUTPUT SUMMARY</b>

<b>OUTPUT CLASS EXPENDITURE - WATER SUPPLY</b>		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>OPERATIONS REVENUE - WATER SUPPLY</b>			
Water Billing And Monitoring	Page 9.2.7	819,862	608,842
		-----	-----
		819,862	608,842
<b>INFORMATION AND ADVICE - WATER SUPPLY</b>			
Information And Advice	Page 9.2.8	604,395	704,410
		-----	-----
		604,395	704,410
<b>PLANNING - WATER SUPPLY</b>			
Planning	Page 9.2.9	1,232,393	1,070,905
		-----	-----
		1,232,393	1,070,905
<b>SUPPLY OF WATER - WATER SUPPLY</b>			
Headworks	Page 9.2.10	4,942,915	4,797,439
Reticulation	Page 9.2.11	6,154,291	6,914,814
		-----	-----
		11,097,207	11,712,253
<b>CAPITAL WORKS REVENUE - WATER SUPPLY</b>			
Capital Works Revenue	Page 9.2.12		
		-----	-----
		0	0
		-----	-----
<b>TOTAL EXPENDITURE - WATER SUPPLY</b>		13,753,857	14,096,410
		-----	-----

## 9.2.6

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OUTPUT SUMMARY</b>

<b>OUTPUT CLASS RECOVERIES AND REVENUES - WATER SUPPLY</b>		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>OPERATIONS REVENUE - WATER SUPPLY</b>			
Water Billing And Monitoring	Page 9.2.7	1,650,000	1,670,000
		-----	-----
		1,650,000	1,670,000
<b>INFORMATION AND ADVICE - WATER SUPPLY</b>			
Information And Advice	Page 9.2.8	0	0
		-----	-----
		0	0
<b>PLANNING - WATER SUPPLY</b>			
Planning	Page 9.2.9		
		-----	-----
		0	0
<b>SUPPLY OF WATER - WATER SUPPLY</b>			
Headworks	Page 9.2.10	0	0
Reticulation	Page 9.2.11	113,000	128,000
		-----	-----
		113,000	128,000
<b>CAPITAL WORKS REVENUE - WATER SUPPLY</b>			
Capital Works Revenue	Page 9.2.12	1,268,000	1,361,250
		-----	-----
		1,268,000	1,361,250
<b>TOTAL RECOVERIES AND REVENUE - WATER SUPPLY</b>		-----	-----
		3,031,000	3,159,250
<b>TOTAL NET EXPENDITURE - WATER SUPPLY</b>		-----	-----
		10,722,857	10,937,160
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>OPERATIONS REVENUE – WATER SUPPLY</b>

## **OUTPUT : WATER BILLING & MONITORING**

### **Description**

- All connections drawing water from the water supply system are fitted with meters. Council policy is not to charge domestic customers for water by volume, but it does charge non-residential properties by volume, when consumption exceeds a (calculated) water allowance based on the ratable value of the property. Also Council policy is to read domestic meters in order to identify high water users and to work with these owners/occupiers to assist them to reduce consumption where reasonable.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To regularly read water meters and collect revenue owing (non-residential) to the Council.	<ul style="list-style-type: none"> <li>• That all meters are read annually and high water users have their meter read three times in accordance with the schedule.</li> <li>• That all water volume based revenue due, in accordance with Council policy, is identified and collected.</li> </ul>	Financial  Financial

## 9.2.7

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE - WATER SUPPLY</b>

<b>OUTPUT : WATER BILLING AND MONITORING</b>	<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
DIRECT COSTS		
Data Processing	7,000	4,672
	-----	-----
	7,000	4,672
ALLOCATED COSTS		
Alloc O/head - Financial Services	355,137	312,875
Transfer from Allocated Holding Accounts (5.37)% 3.39%	437,988	275,707
Alloc O/Head - Output Corporate Overheads Cost Centre	19,737	15,588
	-----	-----
TOTAL ALLOCATED COSTS	812,862	604,170
	-----	-----
TOTAL COSTS	819,862	608,842
REVENUE		
External Revenue	1,440,000	1,433,000
Internal Recoveries	210,000	237,000
	-----	-----
TOTAL REVENUE - SALE OF WATER	1,650,000	1,670,000
	-----	-----
TOTAL NET COST - WATER BILLING AND MONITORING	-830,138	-1,061,158
	=====	=====
<b>TOTAL NET COST OPERATIONS REVENUE - WATER SUPPLY</b>	<b>-830,138</b>	<b>-1,061,158</b>
	=====	=====

9.2.text.8.i

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>INFORMATION &amp; ADVICE – WATER SUPPLY</b>

**OUTPUT : INFORMATION & ADVICE**

For text see page 9.2.text.8.ii and 9.2.text.8.iii.

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>INFORMATION &amp; ADVICE – WATER SUPPLY</b>

### **OUTPUT : INFORMATION & ADVICE (CONTD)**

#### **Description**

- An extensive range information is maintained and supplied to the public and other Council staff. The Customer Centre Network handles the majority of these requests, but resolving non-routine requests often involves follow up by specialist staff. Effort is expended to raise awareness to achieve social, environmental and economic goals related to the Unit's activities. This outcome also includes democratic processes and consultation, which involves the provision of information to elected members, committee reporting, preparing and reporting on the Annual Plan, and consultation with stakeholders and partners.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To provide elected members with timely and innovative reporting and responses that are customer focused whilst providing clear policy elaboration.	<ul style="list-style-type: none"> <li>Negative responses from elected members to staff reports (Target: nil serious negative responses).</li> </ul>	Social
2. To respond to requests for printed information (eg brochures, plans) and advice in an efficient, friendly and helpful manner.	<ul style="list-style-type: none"> <li>That 99% of all requests for available printed information are actioned within four working hours.</li> </ul>	Social
3. To respond to enquiries in an efficient, friendly and helpful manner, including arranging Council action where appropriate or providing customer advice when Council action is not required.	<ul style="list-style-type: none"> <li>That enquiries are responded to within one working day. If further action is required, investigations are commenced within three working days.</li> <li>That reactive maintenance matters made known to the Council are recorded and dispatched to contractors within 15 minutes of receiving initial report (Target: 98% dispatched within 15 minutes).</li> </ul>	Social Environmental  Social

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>INFORMATION &amp; ADVICE – WATER SUPPLY</b>

**OUTPUT : INFORMATION & ADVICE (CONTD)**

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
4. To increase the current resolution of requests for information by the Customer Information Centre to meet current corporate standards.	<ul style="list-style-type: none"> <li>The Customer Centre resolves 80% of requests for information or service at first point of contact.</li> <li>That 95% of calls to the Customer Centre are answered.</li> <li>That 80% of all calls are answered with 20 seconds.</li> <li>That 95% of electronic requests for information are acknowledged immediately.</li> </ul>	Social  Social Social
5. To strengthen relationships between the Customer Information Centre staff, unit specialists, and the community, as well as streamlining processes.	<ul style="list-style-type: none"> <li>That partnership agreements between the Customer Centre and Unit teams are met.</li> <li>The Customer Centre participates in a monthly customer research programme to determine customer needs and satisfaction with the service, and implements customer driven changes to the service within current resources.</li> <li>Processes identified by customer research, or by performance failures of the partnership agreements are reviewed and updated.</li> </ul>	Social  Social  Social



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - WATER SUPPLY</b>

<b>OUTPUT : INFORMATION AND ADVICE</b>	<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
DIRECT COSTS		
Education Programme	165,000	165,000
Statutory Compliance (Bylaws)	92,000	80,000
	-----	-----
	257,000	245,000
ALLOCATED COSTS		
Transfer from Allocated Holding Accounts (4.05)% 5.47%	330,689	443,961
Alloc O/Head - Output Corporate Overheads Cost Centre	16,707	15,448
	-----	-----
TOTAL ALLOCATED COSTS	347,395	459,410
	-----	-----
TOTAL COSTS	604,395	704,410
REVENUE		
External Revenue		
Internal Recoveries		
	-----	-----
TOTAL REVENUE	0	0
	-----	-----
TOTAL NET COST - INFORMATION AND ADVICE	604,395	704,410
	=====	=====
<b>TOTAL NET COST INFORMATION AND ADVICE - WATER SUPPLY</b>	604,395	704,410
	=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>PLANNING – WATER SUPPLY</b>

## OUTPUT : PLANNING

### Description

- This includes a broad range of activities aimed at ensuring the sustainable management of the City's water supply system while balancing the demand for water against physical and environmental constraints. Advanced Planning encompasses input into the City Plan, and Regional Plans, Growth and Demand Management Planning, as well as design standards. Asset Management encompasses Capital Expenditure Planning, Operational and Maintenance Planning, Information Systems, Condition Assessment, Water Quality Assurance, and Water Loss Reduction work.

Objectives for 2003/04	Performance Indicators	TBL Category
1. To ensure the sustainable management and appropriate planning of the water supply assets and water resource.	<ul style="list-style-type: none"> <li>Maintain an Asset Management Plan and a Strategic Management Plan in accordance with national standards.</li> <li>That the necessary actions are taken to enable work set out in the Asset Management Plan to proceed on schedule.</li> <li>That 95% of subdivision and resource consents requiring water supply input (infrastructure to be vested to the Council) are processed within 10 working days of receipt.</li> </ul>	Social  Financial  Financial
2. To reasonably reduce water loss from pipework and to reduce demand on the underground water source.	<ul style="list-style-type: none"> <li><i>Unaccounted for water is minimised (eg leaks, fire fighting, flushing, illegal connections etc) (Target: 150 litres per day per connection by June 2006).</i></li> </ul>	Environmental
3. To confirm that the water delivered to the community is potable and that the water sources are secure.	<ul style="list-style-type: none"> <li><i>Water supplied to the community will meet or surpass the NZ Drinking Water Standards (report by exception, water quality measurements).</i></li> <li>That the underground aquifers from which Christchurch draws its water are reconfirmed as secure to the satisfaction of the Ministry of Health.</li> </ul>	Social Environmental  Social Environmental

## 9.2.9

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANNING - WATER SUPPLY

OUTPUT : PLANNING			2002/2003 BUDGET \$	2003/2004 BUDGET \$
DIRECT COSTS				
Advanced Planning			108,000	88,000
Consents Internal			36,448	29,861
Regional Water Study			0	0
Asset Management - Professional Fees			152,000	132,000
Water loss reduction			120,000	140,000
Secure Groundwater			75,000	40,000
Water Supply Bench Marking			9,000	9,000
Other Costs			179,137	143,246
			-----	-----
			679,585	582,107
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(6.51)%	5.63%	531,004	457,297
Alloc O/Head - Output Corporate Overheads Cost Centre			21,804	31,500
			-----	-----
TOTAL ALLOCATED COSTS			552,808	488,798
			-----	-----
TOTAL COSTS			1,232,393	1,070,905
REVENUE				
			-----	-----
TOTAL NET COST - PLANNING			1,232,393	1,070,905
			=====	=====
TOTAL NET COST PLANNING - WATER SUPPLY			1,232,393	1,070,905
			=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER – WATER SUPPLY</b>

## OUTPUT : HEADWORKS

### Description

- The primary focus of this is to operate and maintain the water supply pumping, storage facilities so as to balance the supply of water into the reticulation network with total customer demand, while maintaining reliability, quality and other levels of service.

Objectives for 2003/04	Performance Indicators	TBL Category
1. To ensure supply of suitable potable water into the reticulation is reliably and continuously matched at all times with total customer demand.	• Number of unplanned headworks shutdowns resulting in loss of supply to customers for longer than four hours (Target: nil).	Social
	• Number of unplanned headworks shutdowns resulting in loss of supply to customers of less than four hours (Target: less than 5 per year).	Social
	• Number of planned shutdowns which result of loss of supply to customers (Target: less than 5 per year).	Social
	• That maintenance work set out in the Asset Management Plan and other documents is undertaken.	Financial
	• Unsatisfactory water quality incidents resulting from substandard maintenance and operating practices (Target: nil).	Social
2. To ensure headworks facilities are operated within the conditions set out in required consents.	• That all monitoring and reporting required by consents for the operation of the facilities is complied with, with no penalties or fines.	Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER - WATER SUPPLY</b>

<b>OUTPUT : HEADWORKS</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
DIRECT COSTS			
Control & Operations		1,926,500	1,943,500
Maintenance		1,029,717	1,044,102
Insurance		109,221	53,323
		-----	-----
		3,065,438	3,040,925
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(8.33)% 8.16%	679,551	663,157
Alloc O/Head - Output Corporate Overheads Cost Centre		124,347	126,342
Depreciation		958,760	800,000
Asset Write offs Due To Replacement		100,000	150,000
Debt Servicing		14,819	17,015
		-----	-----
TOTAL ALLOCATED COSTS		1,877,477	1,756,514
		-----	-----
TOTAL COSTS		4,942,915	4,797,439
EXTERNAL REVENUE			
INTERNAL RECOVERIES			
		-----	-----
TOTAL REVENUE		0	0
		-----	-----
TOTAL NET COST - HEADWORKS		4,942,915	4,797,439
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER – WATER SUPPLY</b>

## OUTPUT : RETICULATION

### Description

- The primary focus is to operate and maintain the water supply pipe distribution system so that all customers receive potable water reliably and continuously.

Objectives for 2003/04	Performance Indicators	TBL Category
1. To ensure a reliable continuous supply of potable water is available to all customers at all times.	<ul style="list-style-type: none"> <li><i>Continuity of water supply to customers (Target: less than 12 occasions where unplanned reticulation shutdowns result in the loss of water supply for longer than 4 hours).</i></li> <li><i>95% of reported leaks in the Council's reticulation are repaired as scheduled:</i> <ul style="list-style-type: none"> <li><i>A (major/urgent) Contractor on site within one hour of leak being reported.</i></li> <li><i>B (medium magnitude leaks) Leak repaired within one working day.</i></li> <li><i>C (minor) Leak repaired within three working days.</i></li> </ul> </li> <li>That maintenance work as set out in the Asset Management Plan and other documents is undertaken.</li> <li>Unsatisfactory water quality incidents resulting from substandard maintenance and operating practices (Target: nil).</li> </ul>	Social  Environmental Social  Financial Social
2. To ensure that pipework damaged by third parties is repaired promptly and that cost of repairs is recovered.	<ul style="list-style-type: none"> <li>That all repairs to pipework damaged by third parties are commenced within one hour.</li> <li>That all reasonable endeavors are made to identify those responsible for the damage and to recoup the full cost of repair from them (Contract Management Reports).</li> </ul>	Social  Financial
3. To protect the public water supply from the risk of backflow contamination.	<ul style="list-style-type: none"> <li>That all new connections are fitted with backflow prevention devices. (Target: 100% achieved).</li> <li>That all existing industrial connections, identified by inspection as needing backflow prevention devices, comply within one month of notification.</li> </ul>	Environmental  Environmental

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER - WATER SUPPLY

OUTPUT : RETICULATION		2002/2003 BUDGET \$	2003/2004 BUDGET \$
DIRECT COSTS			
Contract Services		70,000	105,000
Maintenance		1,510,000	1,510,000
Rates - Water Infrastructure		658,078	632,800
TOTAL DIRECT COSTS		2,238,078	2,247,800
ALLOCATED COSTS			
Plan Update - Geodata Charges		9,344	0
Transfer from Allocated Holding Accounts	(3.13)% 5.42%	255,186	440,267
Alloc O/Head - Output Corporate Overheads Cost Centre		173,892	156,538
Depreciation		3,138,500	3,500,000
Asset Write off Due to Replacement		300,000	500,000
Debt Servicing		39,291	70,209
		3,916,213	4,667,014
TOTAL COSTS - RETICULATION		6,154,291	6,914,814
REVENUE			
External Revenue		83,000	113,000
Internal Recoveries		30,000	15,000
		113,000	128,000
TOTAL NET COST - RETICULATION		6,041,291	6,786,814
TOTAL NET COST SUPPLY OF WATER - WATER SUPPLY		10,984,207	11,584,253

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE – WATER SUPPLY</b>

## **OUTPUT : CAPITAL WORKS REVENUE**

### **Description**

- The focus for this is to identify and collect all revenue that is reasonably and legitimately owed to the Council to assist it to install and expand the water supply infrastructure. For accounting reasons this revenue must be accounted for as Operational Revenue and not directly offset against the Capital Expenditure for which the revenue is collected.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To process and collect all fees, charges and contributions due to the Council.	<ul style="list-style-type: none"> <li>That all fees, charges and contributions (upgrading and cost share) due to the Council are collected (Target: 100% fee recovery).</li> </ul>	Financial
2. To correctly process applications for new water supply connections and have the connection installed in a timely manner.	<ul style="list-style-type: none"> <li>That 99% of all valid applications received for new water supply connections are processed and forwarded to the installation contractor within three working days.</li> <li>That 99% of all new water connections are installed within 15 working days of receipt of a valid application.</li> </ul>	Social  Social



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE - WATER SUPPLY</b>

<b>OUTPUT : CAPITAL WORKS REVENUE</b>	<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
EXTERNAL REVENUE		
Cost Share	95,000	40,000
New Connections	620,000	691,250
Headworks Capacity Upgrade Fee (Note: Transferred to Special Fund)	550,000	627,000
Miscellaneous Revenue	3,000	3,000
	-----	-----
TOTAL EXTERNAL REVENUE	1,268,000	1,361,250
	-----	-----
TOTAL REVENUE	1,268,000	1,361,250
	-----	-----
TOTAL NET COST - CAPITAL WORKS REVENUE	-1,268,000	-1,361,250
	=====	=====
<b>TOTAL NET COST CAPITAL WORKS REVENUE - WATER SUPPLY</b>	<b>-1,268,000</b>	<b>-1,361,250</b>
	=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTEWATER SUMMARY</b>

## SUMMARY - WASTEWATER

### OVERALL WASTEWATER

#### Description

- The objectives in this section are those that are valid for the overall wastewater activity that do not relate substantially to individual output classes.

Objectives for 2003/04	Performance Indicators	TBL Category
1. <i>To provide the community with safe, convenient and efficient wastewater services.</i>	<ul style="list-style-type: none"> <li>90% of customers are satisfied with the wastewater service.</li> <li><i>The wastewater service delivers value for money (Target: 90% customer satisfaction).</i></li> <li><i>Wastewater cost per household per year (Target: \$126 per household).</i></li> </ul>	Social  Financial  Financial
2. <i>To develop and enhance partnerships with the community and with governing bodies to achieve desired outcomes.</i>	<ul style="list-style-type: none"> <li><i>Wastewater treated per person per day is progressively reduced taking into account climatic factors (Target: 435 litres per person per day, 5 year rolling average).</i></li> <li>Business commitment to reducing wastewater volumes while improving quality (Target: 60% of target businesses take regular action to reduce the amount or improve the quality of the wastewater they generate).</li> </ul>	Environmental  Environmental
3. To comply with or surpass legislative requirements and standards.	<ul style="list-style-type: none"> <li>All activities comply with the relevant legislation (report exceptions).</li> </ul>	Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTEWATER SUMMARY</b>

<b>SUMMARY - WASTEWATER</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
<b>OUTPUT CLASS NET COST</b>			
<b>OPERATIONS REVENUE - WASTEWATER</b>			
Tradewaste	Page 9.2.16	(1,688,433)	(1,730,003)
<b>INFORMATION AND ADVICE - WASTEWATER</b>			
Information And Advice	Page 9.2.17	147,710	178,568
<b>PLANNING - WASTEWATER</b>			
Planning	Page 9.2.18	975,178	995,052
<b>COLLECTION - WASTEWATER</b>			
Pumping	Page 9.2.19	2,640,461	2,615,018
Reticulation	Page 9.2.20	6,681,169	11,853,157
		-----	-----
		9,321,630	14,468,175
<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>			
Belfast Operations & Maintenance	Page 9.2.21	81,068	99,945
Templeton Operations & Maintenance	Page 9.2.21	124,227	34,824
Christchurch Waste Water Treatment Plant	Page 9.2.22	7,641,077	8,007,041
		-----	-----
		7,846,372	8,141,810
<b>LABORATORY - WASTEWATER</b>			
Laboratory Services	Page 9.2.23	25,000	25,000
<b>CAPITAL WORKS REVENUE - WASTEWATER</b>			
Capital Works Revenue	Page 9.2.24	(670,000)	(1,258,000)
<b>NET RESULT - WASTEWATER</b>		-----	-----
		15,957,457	20,820,602
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTEWATER SUMMARY</b>

<b>SUMMARY - WASTEWATER</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
<b>OUTPUT CLASS EXPENDITURE</b>			
<b>OPERATIONS REVENUE - WASTEWATER</b>			
Tradewaste	Page 9.2.16	347,567	289,997
<b>INFORMATION AND ADVICE - WASTEWATER</b>			
Information And Advice	Page 9.2.17	167,710	198,568
<b>PLANNING - WASTEWATER</b>			
Planning	Page 9.2.18	975,178	995,052
<b>COLLECTION - WASTEWATER</b>			
Pumping	Page 9.2.19	2,640,461	2,615,018
Reticulation	Page 9.2.20	6,728,169	11,900,157
		9,368,630	14,515,175
<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>			
Belfast Operations & Maintenance	Page 9.2.21	81,068	99,945
Templeton Operations & Maintenance	Page 9.2.21	124,227	34,824
Christchurch Waste Water Treatment Plant	Page 9.2.22	7,858,677	8,228,041
		8,063,972	8,362,810
<b>LABORATORY - WASTEWATER</b>			
Laboratory Services	Page 9.2.23	149,627	157,454
<b>CAPITAL WORKS REVENUE - WASTEWATER</b>			
Capital Works Revenue	Page 9.2.24	0	0
<b>TOTAL EXPENDITURE - WASTEWATER</b>		19,072,684	24,519,056

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTEWATER SUMMARY</b>

<b>SUMMARY WASTEWATER</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
<b>OUTPUT CLASS REVENUE</b>			
<b>OPERATIONS REVENUE - WASTEWATER</b>			
Tradewaste	Page 9.2.16	2,036,000	2,020,000
<b>INFORMATION AND ADVICE - WASTEWATER</b>			
Information And Advice	Page 9.2.17	20,000	20,000
<b>PLANNING - WASTEWATER</b>			
Planning	Page 9.2.18	0	0
<b>COLLECTION - WASTEWATER</b>			
Pumping	Page 9.2.19	0	0
Reticulation	Page 9.2.20	47,000	47,000
		-----	-----
		47,000	47,000
<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>			
Belfast Operations & Maintenance	Page 9.2.21		
Templeton Operations & Maintenance	Page 9.2.21		
Christchurch Waste Water Treatment Plant	Page 9.2.22	217,600	221,000
		-----	-----
		217,600	221,000
<b>LABORATORY - WASTEWATER</b>			
Laboratory Services	Page 9.2.23	124,627	132,454
<b>CAPITAL WORKS REVENUE - WASTEWATER</b>			
Capital Works Revenue	Page 9.2.24	670,000	1,258,000
		-----	-----
<b>TOTAL REVENUE - WASTEWATER</b>		3,115,227	3,698,454
		=====	=====
<b>NET RESULT - WASTEWATER</b>		15,957,457	20,820,602
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE – WASTEWATER</b>

**OUTPUT : TRADEWASTE****Description**

- Identified wastewater connections with discharges containing non-standard constituents that impose additional loading on the treatment of wastewater are regularly monitored. The producers of these effluents are charged additional fees calculated to enable the Council to recover the additional reasonable costs imposed on the system by these customers.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To regularly identify and monitor properties discharging trade waste. Collect, analyse, and process the data required for planning purposes, targeting improving discharge quality and reducing volumes, and to collect revenue owing.	<ul style="list-style-type: none"> <li>That all trade waste discharges are monitored in accordance with the schedule.</li> </ul>	Financial
	<ul style="list-style-type: none"> <li>That all trade waste based revenue due, in accordance with Council policy, is identified and collected (Target: 100% revenue recovery).</li> </ul>	Financial

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE - WASTEWATER</b>

	<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>OUTPUT : TRADEWASTE</b>		
DIRECT COSTS		
TOTAL DIRECT COSTS	0	0
ALLOCATED COSTS		
Transfer from Allocated Holding Accounts	341,562	281,113
Alloc O/Head - Output Corporate Overheads Cost Centre	6,005	8,884
TOTAL ALLOCATED COSTS	347,567	289,997
TOTAL COSTS : TRADEWASTE	347,567	289,997
REVENUE		
External Revenue	2,036,000	2,020,000
Internal Revenue	0	0
TOTAL REVENUE : TRADEWASTE	2,036,000	2,020,000
NET RESULT : TRADEWASTE	(1,688,433)	(1,730,003)

9.2.text.17

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE – WASTEWATER</b>

**OUTPUT : INFORMATION AND ADVICE**

For text see page 9.2.text.8.ii.



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - WASTEWATER</b>

<b>OUTPUT : INFORMATION AND ADVICE</b>			<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
			<b>\$</b>	<b>\$</b>
DIRECT COSTS				
Education Programme			20,000	20,000
TOTAL DIRECT COSTS			20,000	20,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts (1.76)% 2.15%			143,566	174,281
Alloc O/Head - Output Corporate Overheads Cost Centre			4,144	4,287
TOTAL ALLOCATED COSTS			147,710	178,568
TOTAL COSTS : INFORMATION AND ADVICE			167,710	198,568
REVENUE				
External Revenue			20,000	20,000
Internal Revenue				
TOTAL REVENUE : INFORMATION AND ADVICE			20,000	20,000
NET RESULT : INFORMATION AND ADVICE			147,710	178,568

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING – WASTEWATER</b>

## **OUTPUT : PLANNING**

### **Description**

- This includes a broad range of activities aimed at ensuring sustainable management of the City's wastewater system. Advanced Planning encompasses input into the City Plan, Regional Plans, Growth and Demand Management Planning, as well as design standards. Asset Management encompasses Capital Expenditure Planning, Operational and Maintenance Planning, Information Systems, condition assessment, and water inflow reduction work.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To ensure the sustainable management of the wastewater assets.	<ul style="list-style-type: none"> <li>• Maintain an Asset Management Plan and Strategic Management Plan in accordance with national standards.</li> <li>• That work as set out in the Improvement Plan of the Asset Management Plan is proceeded with on schedule.</li> </ul>	Social Financial Financial
2. To ensure appropriate planning is undertaken to adequately provide the wastewater needs for new development.	<ul style="list-style-type: none"> <li>• That the necessary actions are taken to enable the design and construction of works outlined in capex programmes to occur on schedule.</li> <li>• That 95% of subdivision and resource consents requiring wastewater input (infrastructure to be vested to the Council) are processed within 10 working days of receipt.</li> </ul>	Social Environmental Financial Social

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANNING - WASTEWATER

OUTPUT : PLANNING			2002/2003 BUDGET \$	2003/2004 BUDGET \$
DIRECT COSTS				
Advanced Planning			73,000	93,000
Asset Management			426,812	425,775
TOTAL DIRECT COSTS			499,812	518,775
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(5.49)%	5.29%	447,974	429,851
Alloc O/Head - Output Corporate Overheads Cost Centre			5,892	24,926
Investigation - City Solutions Charges			6,500	6,500
Property Unit Advice			15,000	15,000
TOTAL ALLOCATED COSTS			475,366	476,277
TOTAL COSTS : PLANNING			975,178	995,052
REVENUE				
External Revenue				
Internal Revenue				
TOTAL REVENUE : PLANNING			0	0
NET RESULT : PLANNING			975,178	995,052

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION – WASTEWATER</b>

## **OUTPUT : PUMPING**

### **Description**

- The primary focus of this is to operate and maintain the wastewater pumping facilities so as to ensure the efficient transportation of wastewater to the Treatment Plants.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To ensure wastewater is suitably transported to the Treatment Plants.	<ul style="list-style-type: none"> <li>Number of unplanned shutdowns resulting in overflows (Target: nil).</li> <li>Number of planned shutdowns per annum result in overflows (Target: nil).</li> <li>That maintenance work as set out in the Asset Management Plan and other documents is undertaken.</li> </ul>	Environmental  Environmental  Social Financial
2. To ensure pumping facilities are operated within the conditions set out in required consents.	<ul style="list-style-type: none"> <li>That all monitoring and reporting required by consents for the operation of the facilities is complied with.</li> </ul>	Environmental

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	COLLECTION - WASTEWATER

			2002/2003 BUDGET \$	2003/2004 BUDGET \$
<b>OUTPUT : PUMPING</b>				
DIRECT COSTS				
Control & Operations			551,200	571,550
Maintenance			1,130,000	1,030,000
Depreciation & Finance Charges			18,110	20,000
			-----	-----
TOTAL DIRECT COSTS			1,699,310	1,621,550
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(5.00)%	4.95%	408,461	402,179
Alloc O/Head - Output Corporate Overheads Cost Centre			66,107	67,491
Depreciation			413,340	470,000
Asset Write offs Due To Replacement			50,000	50,000
Debt Servicing			3,243	3,798
			-----	-----
TOTAL ALLOCATED COSTS			941,151	993,468
			-----	-----
TOTAL COSTS : PUMPING			2,640,461	2,615,018
REVENUE				
External Revenue				
Internal Revenue				
			-----	-----
TOTAL REVENUE : PUMPING			0	0
			-----	-----
NET RESULT : PUMPING			2,640,461	2,615,018
			=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION – WASTEWATER</b>

## OUTPUT : RETICULATION

### Description

- The primary focus of this is to operate and maintain the wastewater network system so that all customers receive a wastewater service to the required standards.

Objectives for 2003/04	Performance Indicators	TBL Category
1. To ensure a reliable and continuous sewer service is available to all customers at all times.	<ul style="list-style-type: none"> <li><i>When a complaint is received that could potentially affect public health (eg sewer blockage) and for which the Council is responsible, a contractor is on site within one hour (Target: 100% response rate).</i></li> </ul>	Environmental Social
	<ul style="list-style-type: none"> <li>Number of reticulation blockages attended to (compared with five year rolling average).</li> </ul>	Social
	<ul style="list-style-type: none"> <li>Number of incidents of unsatisfactory odours from collection system (comparison with three year rolling average).</li> </ul>	Social
	<ul style="list-style-type: none"> <li><i>Number of overflows directly entering the waterways or rivers as a result of failure of Council pumping equipment (Target: nil).</i></li> </ul>	Environmental
	<ul style="list-style-type: none"> <li>That maintenance work as set out in the Asset Management Plan and other documents is undertaken.</li> </ul>	Financial
2. To ensure that pipework damaged by third parties is repaired promptly and that cost of repairs is recovered.	<ul style="list-style-type: none"> <li>That all repairs to pipework damaged by third parties are commenced within one hour.</li> </ul>	Social
	<ul style="list-style-type: none"> <li>That all reasonable endeavors are made to identify those responsible for the damage and to recoup the full cost of repair from them (Target: 90% cost recovery).</li> </ul>	Financial

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION - WASTEWATER</b>

<b>OUTPUT : RETICULATION</b>	<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
	<b>\$</b>	<b>\$</b>
DIRECT COSTS		
Contract Services	1,000	1,000
Reactive Maintenance	616,000	631,000
Planned Maintenance	775,220	920,220
Finance Charges	134,388	121,341
Rates - Wastewater Infrastructure	1,367,538	1,422,765
	-----	-----
<b>TOTAL DIRECT COSTS</b>	<b>2,894,146</b>	<b>3,096,326</b>
ALLOCATED COSTS		
Transfer from Allocated Holding Accounts (3.52)% 2.50%	286,928	202,838
Alloc O/Head - Output Corporate Overheads Cost Centre	174,031	171,207
Depreciation	2,490,800	7,860,000
Asset Write offs Due To Replacement	650,000	400,000
Debt Servicing	73,775	109,508
Geodata Internal Charges	143,989	46,279
Subdivision Supervision (City Solutions Charge)	14,500	14,000
	-----	-----
<b>TOTAL ALLOCATED COSTS</b>	<b>3,834,023</b>	<b>8,803,831</b>
	-----	-----
<b>TOTAL COSTS : RETICULATION</b>	<b>6,728,169</b>	<b>11,900,157</b>
REVENUE		
External Revenue	17,000	17,000
Internal Revenue	30,000	30,000
	-----	-----
<b>TOTAL REVENUE : RETICULATION</b>	<b>47,000</b>	<b>47,000</b>
	-----	-----
<b>NET RESULT : RETICULATION</b>	<b>6,681,169</b>	<b>11,853,157</b>
	=====	=====
<b>NET RESULT - COLLECTION - WASTEWATER</b>	<b>9,321,630</b>	<b>14,468,175</b>
	=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT AND DISPOSAL – WASTEWATER</b>

## OUTPUTS

- **BELFAST OPERATIONS AND MAINTENANCE**
- **TEMPLETON OPERATIONS AND MAINTENANCE**
- **CHRISTCHURCH WASTEWATER TREATMENT PLANT**
- **CAPITAL WORKS REVENUE**

## Description

- One very substantial Wastewater Treatment Plant (Bromley), and one smaller plant (Belfast), receive and treat all wastewater before it is released to the environment. The purpose of this output is to ensure that the treatment occurs to the required standards.

Objectives for 2003/04	Performance Indicators	TBL Category
1. That discharges from the wastewater treatment plant are at acceptable environmental levels and meet the required consent conditions.	<ul style="list-style-type: none"> <li>• <i>The risk to wildlife from the treatment plant discharge is minimised (Target: pollutants in discharge reduced by 75% BOD and 75% suspended solids.</i></li> <li>• <i>Discharge air and wastewater quality meets resource consent conditions with nil penalties or fines (report by exception).</i></li> </ul>	Environmental  Environmental
2. To ensure the Treatment Plant is operated in an efficient manner.	<ul style="list-style-type: none"> <li>• That maintenance work as set out in the Asset Management Plan and other documents is undertaken.</li> <li>• <i>Greenhouse gas emissions into the environment are minimised and electricity generation from biogas is maximised (Target: less than 1% of total gas produced is flared off).</i></li> </ul>	Social Financial Environmental
3. To foster good relationships with neighbours of the Christchurch Wastewater Treatment Plant.	<ul style="list-style-type: none"> <li>• Community engagement plan for Wastewater Treatment Plant is implemented.</li> </ul>	Social
4. To collect all infrastructures contributions owed to the Council as a result of private development.	<ul style="list-style-type: none"> <li>• That all contributions (upgrading and cost share) due to the Council in accordance to its policy are identified and collected on schedule.</li> </ul>	Financial



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

				<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
				<b>\$</b>	<b>\$</b>
<b>OUTPUT : BELFAST OPERATIONS &amp; MAINTENANCE</b>					
DIRECT COSTS					
Plant Site and Grounds Maintenance				46,500	46,500
TOTAL DIRECT COSTS				46,500	46,500
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts (0.41)% 0.63%				33,128	51,373
Alloc O/Head - Output Corporate Overheads Cost Centre				1,440	2,072
TOTAL ALLOCATED COSTS				34,568	53,445
NET RESULT : BELFAST OPERATIONS & MAINTENANCE				81,068	99,945
<b>OUTPUT : TEMPLETON OPERATIONS &amp; MAINTENANCE</b>					
DIRECT COSTS					
Plant DeCommission				100,000	10,000
TOTAL DIRECT COSTS				100,000	10,000
ALLOCATED COSTS					
Rent (Property Unit)				15,996	15,996
Transfer from Allocated Holding Accounts (0.07)% 0.07%				5,365	5,653
Alloc O/Head - Output Corporate Overheads Cost Centre				2,866	3,175
TOTAL ALLOCATED COSTS				24,227	24,824
NET RESULT : TEMPLETON OPERATIONS & MAINTENANCE				124,227	34,824

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT AND DISPOSAL – WASTEWATER</b>

## **OUTPUTS**

- **BELFAST OPERATIONS AND MAINTENANCE**
- **TEMPLETON OPERATIONS AND MAINTENANCE**
- **CHRISTCHURCH WASTEWATER TREATMENT PLANT**
- **CAPITAL WORKS REVENUE**

For text see page 9.2.text.21.

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	TREATMENT & DISPOSAL - WASTEWATER

OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT PLANT		2002/2003 BUDGET	2003/2004 BUDGET
		\$	\$
DIRECT COSTS			
Operations		531,000	918,700
Biosolids Preparation		221,000	270,000
Biosolids Application & Reuse		779,713	780,000
Maintenance		441,026	584,950
Biosolids Maintenance		27,000	31,000
Maintenance - Energy Equip		98,300	117,300
Output Overheads		26,000	71,000
TOTAL DIRECT COSTS		2,124,039	2,772,950
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(30.45)% 29.97%	2,485,771	2,434,785
Alloc O/Head - Output Corporate Overheads Cost Centre		189,476	200,870
Rent		144,540	144,000
Depreciation		2,808,750	2,646,000
Asset Write offs Due To Replacement		90,000	10,000
Debt Servicing		16,101	19,436
TOTAL ALLOCATED COSTS		5,734,638	5,455,091
TOTAL COSTS : CHRISTCHURCH WASTE WATER TREATMENT PLANT		7,858,677	8,228,041
REVENUE			
External Revenue		217,600	221,000
Internal Revenue		0	0
TOTAL REVENUE : CHRISTCHURCH WASTE WATER TREATMENT PLANT		217,600	221,000
NET RESULT : CHRISTCHURCH WASTE WATER TREATMENT PLANT		7,641,077	8,007,041
NET RESULT - TREATMENT & DISPOSAL - WASTEWATER		7,846,372	8,141,810

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>LABORATORY – WASTEWATER</b>

## **OUTPUT : LABORATORY SERVICES**

### **Description**

- The focus for this is to undertake a range of scientific testing and monitoring tasks, primarily to support the Christchurch Wastewater Treatment Plant operations, but also for a number of other Council activities such as water supply quality testing, river water monitoring and discharge consent monitoring.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To provide scientific support services to the wastewater treatment plants and other Council activities.	<ul style="list-style-type: none"> <li>Information and advice required is supplied in a timely and appropriate manner (Target: nil serious complaints).</li> </ul>	Environmental Social Financial

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>LABORATORY - WASTEWATER</b>

			<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
			<b>\$</b>	<b>\$</b>
<b>OUTPUT : LABORATORY SERVICES</b>				
DIRECT COSTS				
Administration Costs			25,000	25,000
TOTAL DIRECT COSTS			25,000	25,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts			122,894	130,767
Alloc O/Head - Output Corporate Overheads Cost Centre			1,733	1,687
TOTAL ALLOCATED COSTS			124,627	132,454
TOTAL COSTS : LABORATORY SERVICES			149,627	157,454
REVENUE				
External Revenue			41,008	43,583
Internal Recoveries			83,619	88,871
TOTAL REVENUE : LABORATORY SERVICES			124,627	132,454
NET RESULT : LABORATORY SERVICES			25,000	25,000

9.2.text.24

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE – WASTEWATER</b>

**OUTPUT : CAPITAL WORKS REVENUE**

For text see page 9.2.text.21.

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE - WASTEWATER</b>

<b>OUTPUT : CAPITAL WORKS REVENUE</b>	<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
REVENUE		
External Revenue		
- CWTP Capacity Upgrade Fee (1200 new connections @ \$540 each)	650,000	738,000
- Cost Sharing Contributions	20,000	20,000
- Reticulation Capacity Upgrade Fee	0	500,000
Internal Revenue		
<b>TOTAL REVENUE : CAPITAL WORKS REVENUE</b>	<b>670,000</b>	<b>1,258,000</b>
<b>NET RESULT : CAPITAL WORKS REVENUE</b>	<b>(670,000)</b>	<b>(1,258,000)</b>
<b>NET RESULT - WASTEWATER</b>	<b>15,957,457</b>	<b>20,820,602</b>

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

## SOLID WASTE SUMMARY

### OVERALL SOLID WASTE

#### Description

- The objectives in this section are those that are valid for the overall solid waste management activity and that do not align within an individual output class.

Objectives for 2003/04	Performance Indicators	TBL category
1. <i>To provide the community with safe, convenient and efficient waste management services.</i>	<ul style="list-style-type: none"> <li>90% of customers are satisfied with the green crate recycling service.</li> <li>80% of customers are satisfied with the black bag service provided</li> <li>Waste collection service delivers value for money (Target: 70% satisfaction).</li> <li>Cost of waste management per household (Target: \$126 per household).</li> <li>Incidence of reported illegal dumping excluding litter complaints. (Target: on average less than two occasions reported per week).</li> </ul>	Social Social Financial Financial Environmental
2. <i>To work with the community to reduce the waste generated in Christchurch through reduction at source, reuse, recycling and composting.</i>	<ul style="list-style-type: none"> <li>Amount of waste sent to landfill per person (Target: 650 kilograms per person per year).</li> <li>Progress towards waste minimisation targets (Results in graph form – total to landfill, greenwaste and kerbside recycling).</li> <li>Public commitment to waste minimisation (Target: 80% of people regularly take action to reduce the waste they produce).</li> <li>Amount spent on waste minimisation activities per person (Target: \$15 per person).</li> </ul>	Environmental Environmental Social Financial



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

<b>NET COST SUMMARY - SOLID WASTE</b>		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
<b>INFORMATION AND ADVICE</b>			
INFORMATION AND ADVICE	Page 9.2.33	290,385	268,438
		-----	-----
		290,385	268,438
<b>PLANNING</b>			
ADVANCED PLANNING	Page 9.2.34	341,093	319,042
		-----	-----
		341,093	319,042
<b>WASTE REDUCTION</b>			
COMMERCIAL WASTE REDUCTION	Page 9.2.35	512,069	406,316
		-----	-----
		512,069	406,316
<b>REUSE</b>			
RESOURCE REUSE CENTRES	Page 9.2.36	159,356	(42,459)
		-----	-----
		159,356	(42,459)
<b>RECYCLING</b>			
RECYCLING			
Kerbside Recycling Development	Page 9.2.37	2,785,530	2,878,741
Waste Sorting Operations	Page 9.2.38	0	0
RMF	Page 9.2.39	851,752	69,725
		-----	-----
		3,637,282	2,948,466

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**OVERALL SOLID WASTE (CONTD)**

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL category</b>
3. <i>To operate waste management facilities that comply with or surpass legislative requirements and standards.</i>	• <i>Compliance with resource consent conditions as recorded by Environment Canterbury (Target: nil non-compliance, report by exception).</i>	Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**NET COST SUMMARY - SOLID WASTE**

		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>RESOURCE RECOVERY</b>			
COMPOST	Page 9.2.40	320,725	(1,470)
		-----	-----
		320,725	(1,470)
<b>RESIDUE DISPOSAL</b>			
COLLECTION OPERATIONS	Page 9.2.41	5,401,787	5,315,380
TRANSFER OPERATIONS			
Metro Place	Page 9.2.42	(278,119)	111,900
Parkhouse Road	Page 9.2.43	(49,423)	815,491
Styx Mill	Page 9.2.44	123,099	318,935
DISPOSAL			
Burwood - Non-Hazardous	Page 9.2.45	29,549	401,876
Landfill Aftercare	Page 9.2.46	176,949	176,450
Hazardous Waste Operations	Page 9.2.46	169,597	228,255
		-----	-----
		5,573,439	7,368,287
<b>WASTE MINIMISATION FEE</b>			
WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION	Page 9.2.47	(9,155,901)	(11,114,000)
		-----	-----
		(9,155,901)	(11,114,000)
<b>TOTAL NET COST SOLID WASTE</b>		=====	=====
		1,678,447	152,620

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**SOLID WASTE SUMMARY**

		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>OUTPUT CLASS EXPENDITURE INFORMATION AND ADVICE</b>			
INFORMATION AND ADVICE	Page 9.2.33	290,385	268,438
		-----	-----
		290,385	268,438
<b>PLANNING</b>			
ADVANCED PLANNING	Page 9.2.34	341,093	319,042
		-----	-----
		341,093	319,042
<b>WASTE REDUCTION</b>			
COMMERCIAL WASTE REDUCTION	Page 9.2.35	512,169	406,316
		-----	-----
		512,169	406,316
<b>REUSE</b>			
RESOURCE REUSE CENTRES	Page 9.2.36	159,356	6,541
		-----	-----
		159,356	6,541
<b>RECYCLING</b>			
RECYCLING			
Kerbside Recycling Development	Page 9.2.37	2,786,030	2,878,841
Waste Sorting Operations	Page 9.2.38	0	0
<i>RMF</i>	Page 9.2.39	1,332,752	571,725
		-----	-----
		4,118,782	3,450,566

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**EXPENDITURE SUMMARY SOLID WASTE**

		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
<b>RESOURCE RECOVERY</b>			
COMPOST	Page 9.2.40	2,008,178	1,856,914
		-----	-----
		2,008,178	1,856,914
<b>RESIDUE DISPOSAL</b>			
COLLECTION OPERATIONS	Page 9.2.41	6,066,837	5,980,380
TRANSFER OPERATIONS			
Metro Place	Page 9.2.42	1,496,086	1,813,581
Parkhouse Road	Page 9.2.43	2,480,050	2,626,974
Styx Mill	Page 9.2.44	1,263,154	1,472,489
DISPOSAL			
Burwood - Non-Hazardous	Page 9.2.45	2,711,421	4,385,478
Landfill Aftercare	Page 9.2.46	176,949	176,450
Hazardous Waste Operations	Page 9.2.46	289,597	228,255
		-----	-----
		14,484,094	16,683,607
<b>WASTE MINIMISATION FEE</b>			
WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION	Page 9.2.47	0	100,000
		-----	-----
		0	100,000
		-----	-----
<b>TOTAL EXPENDITURE SOLID WASTE</b>		<b>21,914,056</b>	<b>23,091,424</b>
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**SOLID WASTE SUMMARY**

**2002/2003  
BUDGET**  
\$

**2003/2004  
BUDGET**  
\$

**OUTPUT CLASS REVENUE****WASTE REDUCTION**

COMMERCIAL WASTE REDUCTION

Page 9.2.35

100

0

-----  
100-----  
0**REUSE**

RESOURCE REUSE CENTRES

Page 9.2.36

0

49,000

-----  
0-----  
49,000**RECYCLING**

RECYCLING

Kerbside Recycling Development

Page 9.2.37

500

100

Waste Sorting Operations

Page 9.2.38

0

0

*RMF*

Page 9.2.39

481,000

502,000

-----  
481,500-----  
502,100**RESOURCE RECOVERY**

COMPOST

Page 9.2.40

1,687,453

1,858,384

-----  
1,687,453-----  
1,858,384

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**REVENUE SUMMARY SOLID WASTE**

	<u>Notes</u>	<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		\$	\$
<b>RESIDUE DISPOSAL</b>			
COLLECTION OPERATIONS	Page 9.2.41	665,050	665,000
TRANSFER OPERATIONS			
Metro Place	Page 9.2.42	1,774,205	1,701,681
Parkhouse Road	Page 9.2.43	2,529,473	1,811,483
Styx Mill	Page 9.2.44	1,140,055	1,153,554
DISPOSAL			
Burwood - Non-Hazardous	Page 9.2.45	2,681,872	3,983,602
Landfill Aftercare	Page 9.2.46	0	0
Hazardous Waste Operations	Page 9.2.46	120,000	0
		-----	-----
		8,910,655	9,315,320

For Notes see page Page 9.2.31

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

<b>REVENUE SUMMARY SOLID WASTE</b>		<u><b>Notes</b></u>	<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
<b>WASTE MINIMISATION FEE</b>			<b>\$</b>	<b>\$</b>
WASTE MINIMISATION TIPPING FEE REVENUE	Page 9.2.47	<b>(2)</b>	9,155,901	11,214,000
			-----	-----
			9,155,901	11,214,000
			-----	-----
<b>TOTAL REVENUE SOLID WASTE</b>			20,235,609	22,938,804
			-----	-----
<b>TOTAL NET COST SOLID WASTE</b>			1,678,447	152,620
			=====	=====

**(1) Burwood Landfill Stage 2C Aftercare Special Fund**

The Council has a \$16.5m financial liability for closed landfill aftercare. This is shown in the Councils financial plan and programme document but not in City Water & Waste budget other than the amounts noted on Page 9.2.45 & Page 9.2.46 all as resolved by the Council in 26 April 1999 budget meeting.

**(2) Kate Valley Equalisation Fund**

The tipping fee has been 'being increased' annually since 2001/03, so as to smooth the increase required for the new landfill. The final increase in the ramping up occurs in 2003/04. These increases have generated additional funds which are being utilised for waste minimisation projects both operating and capital in nature.



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SOLID WASTE SUMMARY</b>

**SPECIAL FUND TRANSFERS - SOLID WASTE**

**2002/2003**  
**BUDGET**  
**\$**

**2003/2004**  
**BUDGET**  
**\$**

**Burwood Landfill Aftercare Stage 2C Special Fund**

## APPROPRIATIONS (TRANSFERS TO)

Burwood Landfill After Care Reserve

(721,500)

(738,000)

TOTAL REVENUE

(721,500)

(738,000)

## FINANCE PROVIDED (TRANSFERS FROM)

TOTAL EXPENDITURE

0

0

TOTAL NET TRANSFERS BURWOOD LANDFILL AFTERCARE STAGE 2C SPECIAL FUND

(721,500)

(738,000)

9.2.text.33

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE – SOLID WASTE</b>

**OUTPUT : INFORMATION AND ADVICE**

For text see page 9.2.text.8.ii.

## 9.2.33

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - SOLID WASTE</b>

**OUTPUT : INFORMATION AND ADVICE****2002/2003  
BUDGET****2003/2004  
BUDGET**

## DIRECT COSTS

General Promotion

20,000

20,000

-----  
20,000-----  
20,000

## ALLOCATED COSTS

Transfer from Allocated Holding Accounts (3.31)% 2.97%

270,385

241,016

Alloc O/Head - Output Corporate Overheads Cost Centre

0

7,422

-----  
270,385-----  
248,438

## TOTAL COST

-----  
290,385-----  
268,438

## REVENUE

## TOTAL NET COST INFORMATION AND ADVICE

-----  
290,385-----  
268,438**TOTAL NET COST INFORMATION AND ADVICE**

=====

=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING – SOLID WASTE</b>

## OUTPUT : ADVANCED PLANNING

### Description

- This output encompasses the development and maintenance of strategies, policy and plans related to the management of solid and hazardous waste including:
  - The maintenance of an overarching Solid and Hazardous Waste Management Plan Parts 1 and 2, promoting source reduction, reuse, recycling, resource recovery and environmentally safe residue disposal.
  - Developing annual action plans to achieve objectives in the Waste Management Plan.
  - Conducting waste composition analyses regularly to measure progress.
  - Involvement with City and Regional plans or programmes as required.
  - Advocacy on waste planning and management as required.

Objectives for 2003/04	Performance Indicators	TBL Category
1. <i>To ensure appropriate planning and community engagement is undertaken to adequately provide for the management of solid and hazardous waste.</i>	<ul style="list-style-type: none"> <li>• <i>Number of opportunities provided for public engagement in the planning process (Target: at least 4 per year).</i></li> <li>• Part 1 of the Solid and Hazardous Waste Management Plan is reviewed every 3-5 years.</li> <li>• Part 2 of the Solid and Hazardous Waste Management Plan is reviewed annually.</li> </ul>	Social  Social Environmental Financial
2. To provide direction to and coordinate solid waste communication initiatives carried out by the Council.	<ul style="list-style-type: none"> <li>• To finalise and start implementing a comprehensive Solid Waste Management Communication Strategy.</li> </ul>	Social

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - SOLID WASTE</b>

**OUTPUT : ADVANCED PLANNING**

		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
DIRECT COSTS			
Operating Costs		100,000	100,000
Host Support Fund (Hurunui)		30,000	30,000
Regional Waste Minimisation Initiative		50,000	50,000
		-----	-----
TOTAL DIRECT COSTS		180,000	180,000
		-----	-----
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(1.85)% 1.62%	151,385	131,601
Alloc O/Head - Output Corporate Overheads Cost Centre		9,708	7,440
		-----	-----
TOTAL ALLOCATED COSTS		161,093	139,042
		-----	-----
TOTAL NET COST ADVANCED PLANNING		341,093	319,042
		=====	=====
		-----	-----
<b>TOTAL NET COST PLANNING</b>		<b>341,093</b>	<b>319,042</b>
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REDUCTION – SOLID WASTE</b>

## **OUTPUT : COMMERCIAL WASTE REDUCTION**

### **Description**

- The Target Zero programme works to reduce the environmental impacts of businesses through resource, energy and process efficiency, waste minimisation, and environmental management and risk reduction. Target Zero is an ongoing programme that includes waste reduction demonstrations, the provision of information and support to encourage businesses to reduce waste, and the development of networks that support this programme and distribute information.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To help target businesses become more sustainable.	<ul style="list-style-type: none"> <li>Total number of businesses that have been actively engaged in the Target Zero programme (Target: -300 businesses).</li> <li>The reduction of waste produced and energy consumed by businesses actively engaged in the Target Zero programme (Average tonnes of refuse and megawatt hours of electricity reduced per year by target business sectors).</li> <li>The progress achieved against sustainability criteria by all the businesses actively engaged in the Target Zero programme (Target: a combined improvement in sustainability score of greater than 450).</li> <li>Proportion of Target Zero income from non-Council sources (Target: 15%).</li> </ul>	Social  Environmental  Social Environmental  Financial
2. To advocate policy, legislation, requirements and controls that improves the environmental performance of business.	<ul style="list-style-type: none"> <li>Target Zero involvement in advocacy events and projects (Narrative).</li> </ul>	Social Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REDUCTION - SOLID WASTE</b>

**OUTPUT : COMMERCIAL WASTE REDUCTION**

		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
DIRECT COSTS			
Business Community		293,000	45,000
Evaluation, Planning, & Reporting		74,000	20,000
Industry Sector		98,000	160,000
Commercial Sector		20,000	80,000
Education, Health, & Municipal		0	80,000
		-----	-----
		485,000	385,000
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(0.16)%      0.10%	12,712	8,225
Alloc O/Head - Output Corporate Overheads Cost Centre		14,457	13,091
		-----	-----
		27,169	21,316
		-----	-----
TOTAL COST		512,169	406,316
REVENUE			
External Revenue		100	0
		-----	-----
TOTAL NET COMMERCIAL WASTE REDUCTION		512,069	406,316
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REUSE – SOLID WASTE</b>

## **OUTPUT : RESOURCE REUSE CENTRES**

### **Description**

- Recycling centres for dropping off any household items/materials that can be reused are provided at Parkhouse Road, Metro Place and Styx Mill Road. Materials are then resold at a separate facility at Pages Road (The Supershed). The recycling centres are operated in conjunction with the refuse stations to allow diversion of reusable items/materials from the waste stream arriving at the refuse stations. The Recovered Materials Foundation manages both the recycling centres and selling facility.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To uplift, sort, pack and transport to Supershed for sale, recyclable and reusable materials from domestic vehicles.	<ul style="list-style-type: none"> <li>Tonnage of material taken to the Supershed.</li> <li>Gross sales at the Supershed</li> <li>Tonnage of reject material returned to refuse stations</li> </ul>	Environmental  Financial Environmental
2. The Supershed offers a shopping experience that gives value for money, and creates a completely new appreciation of reuse by the public.	<ul style="list-style-type: none"> <li>80% of Supershed customers are satisfied with its value for money and service.</li> </ul>	Social Environmental
3. To create local employment opportunities through increasing value added products and processes.	<ul style="list-style-type: none"> <li>Number of employees at the Supershed.</li> </ul>	Social



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REUSE - SOLID WASTE</b>

**OUTPUT : RESOURCE REUSE CENTRES**

		<b>2002/2003 BUDGET \$</b>	<b>2003/2004 BUDGET \$</b>
DIRECT COSTS			
Management by RMF (Net Cost)		152,651	0
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(0.03)% 0.03%	2,311	2,468
Alloc O/Head - Output Corporate Overheads Cost Centre		4,393	4,073
		-----	-----
TOTAL COSTS		159,356	6,541
REVENUE			
External Revenue		0	49,000
		-----	-----
TOTAL NET COST RESOURCE REUSE CENTRES		159,356	(42,459)
		=====	=====
		-----	-----
<b>TOTAL NET COST RESOURCE REUSE CENTRES</b>		<b>159,356</b>	<b>(42,459)</b>
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RECYCLING – SOLID WASTE</b>

### **OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF)**

#### **Description – Kerbside Recycling Collection:**

- Recycling operations including a kerbside recycling collection service for the domestic sector (including residents in the Central Business District), recycling centres at the three refuse stations (managed by the Recovered Materials Foundation) and funding and support of the Recovered Materials Foundation.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To deliver sorted uncontaminated kerbside recyclable materials to the Recovered Materials Foundation.	<ul style="list-style-type: none"> <li>The number of quality related complaints made by the Recovered Materials Foundation on receiving kerbside recycled materials (Target: less than 12).</li> <li><i>Amount kerbside recycled per household (Target: 2.4 kilograms per house / week).</i></li> </ul>	Financial  Environmental

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RECYCLING - SOLID WASTE</b>

**OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF)**

	<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
	<b>\$</b>	<b>\$</b>
<b>Sub Output : Kerbside Recycling Collection</b>		
DIRECT COSTS		
Contract Operations (Net cost)	2,524,249	2,543,924
Promotion and Instruction	85,000	85,000
Replacement and Extra Bins	33,000	30,000
	-----	-----
TOTAL DIRECT COSTS	2,642,249	2,658,924
ALLOCATED COSTS		
Transfer from Allocated Holding Accounts (0.42)% 1.42%	34,668	115,151
Alloc O/Head - Output Corporate Overheads Cost Centre	109,112	104,766
	-----	-----
	143,781	219,917
	-----	-----
TOTAL COSTS RECYCLING COLLECTION	2,786,030	2,878,841
REVENUE		
External Revenue	500	100
	-----	-----
TOTAL NET COST KERBSIDE RECYCLING COLLECTION	2,785,530	2,878,741
	=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RECYCLING – SOLID WASTE</b>

**OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF) (CONTD)**

**Sub Output : Waste Sorting Operations**

Potential waste sorting ventures at Refuse Operations.

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	RECYCLING - SOLID WASTE

**OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF)**

**2002/2003**  
**BUDGET**  
**\$**

**2003/2004**  
**BUDGET**  
**\$**

**Sub Output : Waste Sorting Operations****DIRECT COSTS**

0 0

0 0

**ALLOCATED COSTS**

Transfer from Allocated Holding Accounts (0.00)% 0.00%

0 0

0 0

**TOTAL COST WASTE SORTING OPERATIONS**

0 0

**REVENUE**

External Revenue

0 0

**TOTAL NET COST WASTE SORTING OPERATIONS**

0 0

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RECYCLING – SOLID WASTE</b>

### **OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF) (CONTD)**

#### **Description - Recovered Materials Foundation (RMF)**

- The Recovered Materials Foundation accepts delivery of recyclable materials collected from the kerbside and either sells them into the market place or adds value, in which instance employment opportunities are created, in partnership with industry. The funding provided by the Council is the net operating cost for this operation. Site Operations include material processing costs and expected sales revenue. Consultants and industry liaison includes international linkage costs. The Materials Equalisation and Retained Reserve is as per the operating contract between the Council and Recovered Materials Foundation.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To accept delivery of, process, and market the materials from the Council Kerbside Recycling Scheme.	• Total gross sales for the year.	Financial
	• Tonnage of materials sold.	Environmental
2. To increase utilisation of the waste exchange service.	• Number of successful contacts made through waste exchange service.	Social
	• Number of material types accepted by the waste exchange service.	Environmental
3. To create local employment opportunities through development of new markets and processes.	• Number of people employed in Recovered Materials Foundation related activities.	Social

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	RECYCLING - SOLID WASTE

**OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF)****2002/2003  
BUDGET****2003/2004  
BUDGET****Sub Output : Recovered Materials Foundation (RMF)**

## DIRECT COSTS

RMF Operating

847,900

61,500

Business Development Fund

481,000

502,000

-----  
1,328,900-----  
563,500

## ALLOCATED COSTS

Transfer from Allocated Holding Accounts

(0.05)%

0.10%

3,852

8,225

## TOTAL DIRECT COSTS

-----  
1,332,752-----  
571,725

## REVENUE

External Revenue -Business Development Funding

411,000

429,000

Internal Revenue - Business Development Funding

70,000

73,000

## TOTAL NET COST RMF

-----  
851,752-----  
69,725**TOTAL NET COST RECYCLING**-----  
3,637,282-----  
2,948,466

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESOURCE RECOVERY – SOLID WASTE</b>

## **OUTPUT : COMPOSTING**

### **Description**

- This output includes the operation of the composting facility at Metro Place and the organic collection facilities as Parkhouse Road and Styx Mill road. Education, promotion and research of composting techniques and equipment are also undertaken.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To achieve or surpass the organics reduction targets contained in the Solid and Hazardous Waste Management Plan.	<ul style="list-style-type: none"> <li>• Tonnage of organic matter received at the refuse stations for composting (Target: 38,000 tonnes).</li> </ul>	Environmental
2. To increase public participation in composting.	<ul style="list-style-type: none"> <li>• 60% of households regularly compost at home.</li> <li>• Number of schools and groups participating in Council run composting education programmes (Target: 150 per year).</li> </ul>	Social Social
3. To manage the Compost Plant in accordance with management plans and resource consents.	<ul style="list-style-type: none"> <li>• Number of complaints received by Environment Canterbury about the Compost Plant (Target: nil complaints resulting in a breach of consent conditions).</li> <li>• Spray residue in the compost product is minimised (Target: less than 0.02 mg/kg dry weight).</li> <li>• Yield of the Compost Plant (Target: 0.9m<sup>3</sup> unscreened compost/tonne of garden organic).</li> </ul>	Environmental  Environmental  Financial



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESOURCE RECOVERY - SOLID WASTE</b>

**OUTPUT : COMPOSTING**

		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
DIRECT COSTS			
Operating Costs		1,705,310	1,592,710
		-----	-----
		1,705,310	1,592,710
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(2.43)% 1.75%	198,231	142,294
Alloc O/Head - Output Corporate Overheads Cost Centre		49,762	50,110
Alloc O/head - Rent		49,200	66,000
Depreciation		5,500	5,800
Debt Servicing		175	0
		-----	-----
TOTAL ALLOCATED COSTS		302,868	264,204
		-----	-----
TOTAL COSTS		2,008,178	1,856,914
REVENUE			
External Revenue		1,639,753	1,842,520
Internal Recoveries		47,700	15,864
		-----	-----
TOTAL REVENUE		1,687,453	1,858,384
		-----	-----
TOTAL NET COST COMPOSTING		320,725	(1,470)
		=====	=====
		-----	-----
<b>TOTAL NET COST RESOURCE RECOVERY</b>		<b>320,725</b>	<b>(1,470)</b>
		=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL – SOLID WASTE</b>

## **OUTPUT : COLLECTION OPERATIONS**

### **Description**

- A collection service of residual refuse from the City's households and businesses is provided by way of the weekly black bag.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To manage the refuse collection contract to ensure operations are in accordance with current operational and management plans.	<ul style="list-style-type: none"> <li>• Achievement of full compliance with refuse collection contract key performance indicators (Report by exception).</li> </ul>	Social Financial Environmental
2. Supplies of black bags are readily available to residents.	<ul style="list-style-type: none"> <li>• Public satisfaction with the availability of black bags (Target: 80% satisfaction).</li> </ul>	Social

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	RESIDUE DISPOSAL - SOLID WASTE

OUTPUT : COLLECTION OPERATIONS			2002/2003 BUDGET \$	2003/2004 BUDGET \$
DIRECT COSTS				
Collection			2,200,602	2,308,730
Bag Purchase			910,000	82,800
Bag Deliveries			100,000	100,000
Free Bags For Hardship			0	0
Programme to Reduce Illegal Dumping/Litter			0	0
Publicity (Including Waster Pays Advertising Programme - \$200k)			24,000	164,000
Disposal			2,644,445	3,095,754
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.54)%	0.91%	43,913	74,026
Alloc O/Head - Output Corporate Overheads Cost Centre			143,877	155,070
TOTAL COSTS			6,066,837	5,980,380
REVENUE				
External Revenue			665,050	665,000
TOTAL NET COST EXCESS DOMESTIC			5,401,787	5,315,380

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL – SOLID WASTE</b>

## **OUTPUT : TRANSFER OPERATIONS**

### **Description**

- Public utilities for the acceptance and transfer for disposal of residual refuse are provided at the Parkhouse Road, Metro Place, and Styx Mill Road Refuse Stations. These utilities are operated in conjunction with on-site recycling centres and a green waste composting facility (Metro Place). The recycling centres and composting facility extract reusable/recyclable material and green waste from the City's waste stream. A further service is provided at the refuse stations for the acceptance of household hazardous waste for reuse, recycling, or disposal.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To manage the City Care contract to ensure that the refuse stations are operated in accordance with current operational and management plans.	<ul style="list-style-type: none"> <li>Achievement of full compliance with City Care contract key performance indicators. (Report by exception)</li> </ul>	Social Financial Environmental
2. Refuse stations are planned, developed and operated to maximise the recovery of resources from the waste stream.	<ul style="list-style-type: none"> <li>Tonnage of material recovered at the refuse stations (excluding RMF recovered materials).</li> </ul>	Environmental
3. Plan for changes to refuse stations required by the forthcoming regional landfill.	<ul style="list-style-type: none"> <li>Refuse station alterations are on schedule.</li> </ul>	Financial
4. To minimise the household hazardous waste going to landfill untreated.	<ul style="list-style-type: none"> <li>Tonnage by class of household hazardous waste being collected at the drop-off centres.</li> </ul>	Environmental

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	RESIDUE DISPOSAL - SOLID WASTE

**OUTPUT : TRANSFER OPERATIONS**

			<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
			\$	\$
<b>Sub Output : Metro Place</b>				
DIRECT COSTS				
Administration Costs			60,330	54,830
Plant Costs			15,000	20,000
Maintenance Grounds and Building			98,748	94,590
City Care - Fixed Fee			146,880	501,984
City Care - Variable Fee			146,484	67,034
City Care - Refuse Transfer			361,914	220,170
City Care - Rubble Transfer			19,629	18,870
City Care - Contingency & CPI			0	16,200
Hardfill			10,200	10,200
Landfill Charges			375,293	517,920
			-----	-----
			1,234,478	1,521,798
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.19)%	0.17%	15,408	13,983
Allocated Overhead - Rent			229,200	238,800
Depreciation			17,000	39,000
Debt Servicing			0	0
			-----	-----
			261,608	291,783
TOTAL COSTS			-----	-----
			1,496,086	1,813,581
REVENUE				
External Revenue			1,453,374	1,332,931
Internal Recoveries			320,831	368,750
			-----	-----
TOTAL REVENUE			1,774,205	1,701,681
			-----	-----
TOTAL NET COST METRO PLACE			(278,119)	111,900
			=====	=====

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	RESIDUE DISPOSAL - SOLID WASTE

**OUTPUT : TRANSFER OPERATIONS**

		<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
		<b>\$</b>	<b>\$</b>
<b>Sub Output : Parkhouse Rd</b>			
DIRECT COSTS			
Administration Costs		56,235	56,260
Plant Costs		25,000	25,000
Maintenance Grounds and Building		131,370	81,755
Hardfill		12,000	10,000
City Care - Fixed Fee		335,376	728,640
City Care - Variable Fee		162,469	85,988
City Care - Refuse Transfer		633,494	313,038
City Care - Rubble Transfer		7,160	6,880
City Care - Contingency & CPI		0	23,000
Landfill Charges		542,796	555,360
		-----	-----
		1,905,900	1,885,921
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(0.17)% 0.17%	13,867	13,983
Alloc O/Head - Output Corporate Overheads Cost Centre		113,049	108,570
Allocated Overhead - Rent		399,600	570,000
Depreciation		47,634	48,500
Debt Servicing		0	0
		-----	-----
		574,150	741,053
		-----	-----
TOTAL COSTS		2,480,050	2,626,974
		-----	-----
REVENUE			
External Revenue		2,091,976	1,314,473
Internal Recoveries		437,497	497,010
		-----	-----
TOTAL REVENUE		2,529,473	1,811,483
		-----	-----
TOTAL NET COST PARKHOUSE ROAD		(49,423)	815,491
		=====	=====

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	RESIDUE DISPOSAL - SOLID WASTE

**OUTPUT : TRANSFER OPERATIONS**

			<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
			\$	\$
<b>Sub Output : Styx Mill</b>				
DIRECT COSTS				
Operating Costs			683,607	757,246
Maintenance Grounds and Building			59,180	104,000
Hardfill			7,800	7,800
Landfill Charges			239,804	351,360
			-----	-----
			990,391	1,220,406
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.17)%	0.17%	13,867	13,983
Allocated Overhead - Rent			166,800	183,600
Asset Write off - Compactor			22,000	0
Depreciation			69,816	54,500
Debt Servicing			280	0
			-----	-----
			272,763	252,083
			-----	-----
TOTAL COSTS			1,263,154	1,472,489
REVENUE				
External Revenue			906,723	881,000
Internal Recoveries			233,332	272,554
			-----	-----
TOTAL REVENUE			1,140,055	1,153,554
			-----	-----
TOTAL NET COST STYX MILL ROAD			123,099	318,935
			=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL – SOLID WASTE</b>

## **OUTPUT : DISPOSAL**

### **Description**

- A landfill is operated at Burwood for the disposal of residual refuse from Christchurch, Ashburton District, Waimakariri District, parts of Selwyn District, Hurunui and Banks Peninsula. Special/hazardous wastes are also accepted, and administered through the ‘Manifest’ system, which assures appropriate treatment and tracking of these wastes. A new regional landfill is programmed to open in 2005 when Burwood will close. Council owned closed landfills are monitored under the Closed Landfill Management Strategy.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To operate Burwood Landfill in accordance with all consents and bylaws.	• Consent and bylaw violations recorded for Burwood by Environment Canterbury (Target: nil).	Environmental
2. To manage hazardous waste entering the landfill through the manifest system.	• Hazardous waste type and quantity entering the landfill (Graph of tonnes by type of hazardous waste).	Environmental



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT : DISPOSAL**

	<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
	<b>\$</b>	<b>\$</b>
<b>Sub Output : Burwood - Landfill</b>		
DIRECT COSTS		
Operating Costs (includes Burwood Stage 1, 2A, 2B aftercare, refer below)	1,837,031	3,233,234
ALLOCATED COSTS		
Transfer from Allocated Holding Accounts (1.23)% 1.87%	100,153	152,164
Landfill Aftercare Amortisation (Burwood Stage 2C)	721,500	937,376
Alloc O/Head - Output Corporate Overheads Cost Centre	46,086	48,204
Depreciation	6,000	14,500
Debt Servicing	651	0
	-----	-----
	874,390	1,152,244
	-----	-----
<b>TOTAL COST</b>	<b>2,711,421</b>	<b>4,385,478</b>
REVENUE		
External Revenue	624,258	1,788,897
External Revenue - Landfill Aftercare Fee (for Stage 2C)	616,500	628,500
External Revenue - Other Local Authorities	149,055	0
Internal Recoveries (Transfer Stations)	1,187,059	1,456,705
Internal Revenue - Landfill Aftercare Fee (for Stage 2C)	105,000	109,500
	-----	-----
<b>TOTAL REVENUE BURWOOD - LANDFILL</b>	<b>2,681,872</b>	<b>3,983,602</b>
	-----	-----
<b>TOTAL NET COST BURWOOD - LANDFILL</b>	<b>29,549</b>	<b>401,876</b>
	=====	=====
FINANCING TRANSFER		
Appropriation to Burwood Landfill Stage 2C Aftercare Special Fund	721,500	738,000

Note: The provision in the 2003/2004 budget for the transfer to the Burwood Landfill Stage 2C Aftercare special fund is \$937,376 (refer above). In addition the Council has a financial liability for aftercare of the closed stages of Burwood (ie. Stage 1, 2A, 2B) and other smaller closed City landfills (of which there are around 50). For 2003/04 the amount budgeted for aftercare is \$1,855,000 for Burwood Stages 1, 2A, 2B, and \$160,000 for all other closed landfills - refer Page 9.2.46. When Burwood Landfill Stage 2C is finally closed the financial liability will be progressively reduced by any subsequent aftercare expenditure. (refer also, note at end of solid waste summary)

9.2.text.46

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL – SOLID WASTE</b>

**OUTPUT : DISPOSAL**

For text see page 9.2.text.45.

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT : DISPOSAL**

			<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
			<b>\$</b>	<b>\$</b>
<b>Sub Output : Landfill Aftercare</b>				
DIRECT COSTS				
Landfill Aftercare			160,000	160,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.21)%	0.20%	16,949	16,450
			-----	-----
			16,949	16,450
			-----	-----
TOTAL NET COST LANDFILL AFTERCARE			176,949	176,450
			=====	=====
<b>Sub Output : Hazardous Waste Operation</b>				
DIRECT COSTS				
Direct Operating Costs			197,000	197,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(1.13)%	0.38%	92,597	31,255
			-----	-----
TOTAL COST			289,597	228,255
REVENUE				
External Revenue			120,000	0
			-----	-----
TOTAL NET COSTS HAZARDOUS WASTE OPERATION			169,597	228,255
			=====	=====
<b>TOTAL NET COST RESIDUE DISPOSAL</b>			5,573,439	7,368,287
			=====	=====

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTE MINIMISATION FEE – SOLID WASTE</b>

## **OUTPUT : WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVENUE**

### **Description**

- The tipping fees for disposal of refuse at the Council's Refuse Station and Landfill include a sum designated as a Waste Minimisation Fee. This revenue stream provides funds for the Council's waste minimisation activities such as commercial waste minimisation, Resource Reuse Centres, the Recovered Materials Foundation, compost operations and the kerbside recyclables collection.

<b>Objectives for 2003/04</b>	<b>Performance Indicators</b>	<b>TBL Category</b>
1. To receive the 'Waste Minimisation Fee' for each tonne of refuse accepted, at the rate fixed during the Annual Plan process.	<ul style="list-style-type: none"> <li>Receipt of amounts budgeted.</li> </ul>	Financial

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTE MINIMISATION FEE - SOLID WASTE</b>

	<b>2002/2003 BUDGET</b>	<b>2003/2004 BUDGET</b>
<b>OUTPUT : WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVE</b>	<b>\$</b>	<b>\$</b>
DIRECT COSTS		
Waste Minimisation Levy - Cleanfill Audit	0	100,000
	-----	-----
	0	100,000
ALLOCATED COSTS		
	-----	-----
	0	0
	-----	-----
TOTAL COSTS	0	100,000
REVENUE		
External Revenue	7,703,401	9,471,125
Internal Revenue	1,452,500	1,742,875
	-----	-----
TOTAL REVENUE	9,155,901	11,214,000
	-----	-----
TOTAL NET COST WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE RI	(9,155,901)	(11,114,000)
	=====	=====
 <b>TOTAL NET COST SOLID WASTE</b>	 1,678,447	 152,620
	=====	=====



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL OUTPUTS</b>

## OUTPUTS

- **RENEWALS AND REPLACEMENTS**
- **ASSET IMPROVEMENTS**
- **NEW ASSETS**

### Description Water Supply

- The City's water system comprises 1,300km of mains (plus approx 2,000km of small supply pipe), 53 primary and 34 secondary pumping stations, as well as seven (7) bulk storage, and 30 local reservoirs. The system must be maintained and extended as Christchurch grows. The current depreciated value of assets is \$191M (replacement cost \$312M). In addition, sufficient fire hydrants must be provided to reasonably protect the community.

Objectives for 2003/04	Performance Indicators	TBL Category
1. To maintain the overall performance of the water supply system by undertaking a programme of Renewals and Replacements, Improvements and Extensions as set out in the Council's Asset Management Plan.	<ul style="list-style-type: none"> <li>• The capital works programme as outlined in the Asset Management Plan is implemented to ensure the overall water supply infrastructure will continue to perform, and to meet city growth and development. Specifically completion within budget by 30 June 2003 of: <ul style="list-style-type: none"> <li>(a) the replacement of 7km of watermain (2000/01=7km)</li> <li>(b) the replacement of 20km of submain (2000/01=20km)</li> <li>(c) the new mains installation programme</li> <li>(d) the general headworks Capex programme including: <ul style="list-style-type: none"> <li>(i) renewal of Riccarton Pump Station</li> <li>(ii) completion of new Styx Mill Pump Station</li> </ul> </li> </ul> </li> </ul>	Social Financial

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL OUTPUTS</b>

## OUTPUTS

- **RENEWALS AND REPLACEMENTS**
- **ASSET IMPROVEMENTS**
- **NEW ASSETS**

### Description Wastewater

- The City's wastewater system comprises, 1,580km of mains (plus approximately 1,180km of privately owned laterals), 85 pumping stations, and two treatment plants. The system must be maintained and extended as Christchurch grows. The current depreciated value of assets is \$291M (replacement cost \$582M).

Objectives for 2003/04	Performance Indicators	TBL Category
1. To maintain the overall performance of the wastewater system by undertaking a programme of renewals and replacements, improvements and extensions as set out in the Council's Asset Management Plan.	<p>The capital works programme as outlined in the Asset Management Plan is implemented to ensure the overall wastewater infrastructure will continue to perform, and to meet growth and development.</p> <p>Specifically completion within budget by 30 June 2003 of:</p> <ul style="list-style-type: none"> <li>(a) Stage 1 of Halswell area trunk main upgrade</li> <li>(b) Stage 1 of Bromley Treatment Plant upgrade</li> <li>(c) Annual reticulation renewal programme</li> <li>(d) On schedule to complete No.11 Pump Station upgrade by 30 June 2004</li> <li>(e) Installation of No.11 Pump Station rising main by 30 June 2004.</li> </ul>	Social Financial

### Description Solid Waste

- The City's refuse disposal is handled through three refuse stations, three recycling collection stations, one landfill and one compost manufacturing plant with collection centres at each of the refuse stations.

Objectives for 2003/04	Performance Indicators	TBL Category
1. To co-operate with Canterbury Waste Services to meet the programmed opening date of the new regional landfill.	Completion within budget by 30 June 2004 of planned capital expenditure for new regional landfill.	Financial
2. To commence construction of the pilot plant for processing of mixed organic material.	Projected capital expenditure on new mixed organic materials plant spent within budget.	Financial



RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
-------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	----------------------

## RENEWAL AND REPLACEMENT

<b>Infrastructural Assets</b>										
<b>Water Supply</b>										
<b>Reticulation</b>										
Project Management Mains - City Solutions, Geodata & CW&W	92,673	156,000	178,000	178,000	178,000	222,000	222,000	222,000	267,000	267,000
Replacement Mains	1,247,000	1,247,000	1,425,000	1,425,000	1,425,000	1,782,000	1,782,000	1,782,000	2,138,000	2,138,000
Project Management Sub-Mains - City Solutions, Geodata & CW&W	10,391	59,000	59,000	59,000	59,000	40,000	40,000	40,000	40,000	20,000
Replacement Submains	692,000	692,000	692,000	692,000	692,000	461,000	461,000	461,000	461,000	230,000
Replacement Meters	151,000	151,000	151,000	151,000	151,000	151,000	151,000	151,000	151,000	151,000
<b>Sub Total</b>	2,193,064	2,305,000	2,505,000	2,505,000	2,505,000	2,656,000	2,656,000	2,656,000	3,057,000	2,806,000
Note: above estimates include engineering & Geodata Services										
<b>Headworks</b>										
Replacement Wells	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
Pump Replacements	135,000	135,000	170,000	135,000	170,000	135,000	170,000	135,000	170,000	135,000
Fuel Tanks	18,000	18,000	18,000	18,000	18,000	18,000				
Fitzgerald P/S (Reprogrammed 03/04)	510,000									
Building Replacements						150,000	150,000			150,000
Pipework Replacements	0							100,000	100,000	
Primary Switchboard	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Secondary Switchboard	0	10,000		10,000		10,000		10,000		10,000
Sarters and variable speed	95,000	95,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Grassmere Switchboard	0									
Metering	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Diesel Replacements	0	130,000			130,000			130,000		
Westmoreland 2 Reservoir Replacement		270,000								
Cashmere Reservoir Replacement			515,000	535,000						
Huntsbury Joint Replacement					100,000					
Control & Indication	360,000	320,000	120,000	155,000	125,000	155,000	120,000	80,000	120,000	80,000
Other Renewals / Replacements					100,000	50,000	50,000	100,000	100,000	100,000
Geodata Services	4,100									
Project Management	51,334	67,000	61,000	63,000	51,000	44,000	44,000	47,000	44,000	43,000
<b>Sub Total</b>	1,428,434	1,300,000	1,189,000	1,221,000	999,000	867,000	839,000	907,000	839,000	823,000
<b>TOTAL - WATER SUPPLY</b>	3,621,498	3,605,000	3,694,000	3,726,000	3,504,000	3,523,000	3,495,000	3,563,000	3,896,000	3,629,000

## 9.2.50

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>Wastewater</b>										
<b>Reticulation</b>										
Project Management	41,564	51,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000
Ex City Solutions - Contract Supervision	19,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Ex City Solutions - Data Collection	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000
Sewer Renewal - City Wide	1,610,000	1,760,000	1,760,000	1,760,000	1,760,000	1,760,000	1,760,000	1,760,000	1,760,000	1,760,000
Flow Monitoring	0									
Sewer Grouting Contract	662,000									
Lifelines, Brickbarrel Renewals	0	580,000	1,080,000	1,080,000						
<b>Pumping</b>										
Project Management	20,782	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
P/stn Wiring & Switchgear Renewal	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000
P/Stn Upgrades	80,000	100,000	162,000	162,000	162,000	162,000	162,000	162,000	162,000	162,000
<b>Treatment</b>										
Project Management	0	15,300	15,300	15,300	15,300	15,300	15,300	15,300	15,300	
Channel Control Gates Replacement	0				76,500				102,000	
D Panel Replacement	0			120,000					102,000	
Estuary Front Stabilisation		55,000					53,040			
North Gallery Rewire	0									10,000
Sludge Pipe Replacement	0	5,500		5,500		5,508	5,500		5,500	
Water pipe replacement	4,300		4,300		4,300			106,000		
Dall Flow Measurement Meters	56,000							54,000		
Density Meters (2)	56,000									80,000
Chanel Wall Repairs		100,000	100,000							
Pre-aeration Tank Covers										600,000
Unallocated							108,000	108,000	108,000	120,000
<b>TOTAL - WASTEWATER</b>	<b>2,626,646</b>	<b>2,773,800</b>	<b>3,279,600</b>	<b>3,300,800</b>	<b>2,176,100</b>	<b>2,100,808</b>	<b>2,261,840</b>	<b>2,363,300</b>	<b>2,412,800</b>	<b>2,890,000</b>
<b>TOTAL INFRASTRUCTURAL ASSETS</b>	<b>6,248,144</b>	<b>6,378,800</b>	<b>6,973,600</b>	<b>7,026,800</b>	<b>5,680,100</b>	<b>5,623,808</b>	<b>5,756,840</b>	<b>5,926,300</b>	<b>6,308,800</b>	<b>6,519,000</b>

## 9.2.51

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>Fixed Assets</b>										
<b>Water Supply</b>										
Meter Reading Hardware & Software	0									
<b>Wastewater</b>										
<b>Pumping</b>										
P/s control systems	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000	33,000
P/Stn Alarm Systems	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000
Scada System						204,000	292,000	292,000		
<b>Treatment Works</b>										
Air Conditioner Replacements		12,852			13,000			13,000		13,000
Boundary Fence					10,700					
Portable Pumps		12,852			13,000			13,000		
Workshop Equipment					32,600		10,700			
Filter Bearing		31,500					32,000		62,200	
Channel Covers							21,400			
Electrical Test Equipment			10,700					10,700		
Air Compressor									52,000	
Circuit breaker					54,000				52,000	
Programmable Logic Controllers Replacement								200,000		
National Engine Replacement	0		636,500	636,500						
Portable Gas Detector Replacement		6,500			6,500			6,500		
Airdryer		6,500			6,500			6,500		
Portable Pumps - Lagoons		13,000					13,000			
Sludge Circ P/P Replacement	106,000								102,000	100,000
Sed Tank Mechanical Equipment			194,000		216,000			216,000		80,000
Brick Building Repairs	0		15,900							
Upgrade gas control system									51,000	
Kelly Lewis Pump - Replacement	0		127,300	129,500				273,360		
"A' Panel & Large Display Screen	0	32,100								
Raw Sludge P/P Replacement	0		159,000							200,000
Belt Press Replacement							758,000			
Pre-Aeration Blower Replacement							195,000			
BioSolids Auger							92,000			
FGR Bearings / Overhaul							108,000		108,000	108,000



## 9.2.53

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>Laboratory</b>										
Airconditioner Replacements							0			
Atomic Absorbtion Spectrophotometer					0					
ICP (Inductively Coupled Plasma)	150,000									
Gas Chromotograph HP5700 &HP5890		0	40,800	40,800		0				
Graphite Furnace AA				0	170,000					
Buchi Distiller										30,000
Kjeldahl Digester			45,900				30,000			
Microscope							0			
Laboratory Testing & Measuring Equipment	35,700	35,000	20,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
<b>Solid Waste</b>										
Minor Replacements	10,000	10,000	10,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Seal in Compost Plant	15,800									
<b>Support</b>										
Equipment & Computer Software	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
<b>TOTAL FIXED ASSETS</b>	501,200	335,304	1,435,100	1,158,800	976,300	658,000	3,642,700	1,836,760	2,788,600	1,185,000
<b>TOTAL RENEWALS &amp; REPLACEMENTS</b>	6,749,344	6,714,104	8,408,700	8,185,600	6,656,400	6,281,808	9,399,540	7,763,060	9,097,400	7,704,000

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>ASSET IMPROVEMENTS</b>										
<b>Infrastructural Assets</b>										
<b>Water Supply</b>										
Minor Improvements	30,000	30,000	30,000	30,000	30,000					
Control & Indication	30,000	30,000	30,000	30,000	30,000					
Life Lines Mitigating Measure	50,000	62,000	50,000	11,000	80,000					
Noise Control (diesel running)	18,000	18,000	18,000	18,000	18,000					
Other Improvements	30,000	18,000	30,000	69,000						
Energy Efficiency Measures	100,000	100,000								
Control System Improvement		30,000	30,000	30,000	30,000					
Project Management	51,068	51,000	51,000	51,000	51,000					
Unallocated						209,000	209,000	209,000	209,000	209,000
<b>TOTAL - WATER SUPPLY</b>	<b>309,068</b>	<b>339,000</b>	<b>239,000</b>	<b>239,000</b>	<b>239,000</b>	<b>209,000</b>	<b>209,000</b>	<b>209,000</b>	<b>209,000</b>	<b>209,000</b>

## 9.2.55

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>Wastewater</b>										
<b>Reticulation</b>										
Project Management	33,470	61,200	61,200	61,200	61,200	61,200	61,200	61,200	61,200	61,200
Contract Supervision (Ex City Solutions)	5,500	5,508	5,508	5,508	5,508	5,508	5,508	5,508	12,240	12,240
Data Collection (Ex City Solutions)	13,500	13,566	13,566	13,566	13,566	13,566	13,566	13,566	13,260	13,260
P/stn No. 11 Pressure Main Upgrading	2,300,000	1,200,000								
Lifelines - Ferry Road & Pages Road Bridge Inv. (Rep	116,700									
Fisher Ave to PS20 Trunk	100,000	1,400,000								
Northern Relief							800,000			
Grassmere storage							1,000,000	500,000		
Maidstone Storage									1,960,000	
Wigram Augmentation							720,000	1,780,000		
Riccarton Interceptor								800,000	1,125,000	
Southern relief improvement	200,000	300,000	3,137,520	3,084,480	3,084,480	3,084,480	500,000			3,084,480
Major Trunk Expansion ( Inc. SW Sector Expansion	0									
Unallocated	0			52,020	52,020	52,020	52,020	52,020	52,020	52,020
<b>Pumping</b>										
Project Management - Alloc O/Head - Cost Centre	20,782									
P/stn Paperless Recorders	0									
P/stn 11 Major Upgrade (Reprogrammed 03/04)	2,200,000	2,000,000								
<b>Treatment Works</b>										
Belfast WWTP Upgrade					1,623,840	1,623,840				
Pump Station B									51,000	51,000
Project Management - Alloc O/Head - Cost Centre	87,222									
Expansion of Christchurch Wastewater Treatment Plai	4,250,000									
Waste Water Treatment Plant UV Sterilisation	0	0								
CWTP Pond Modifications - (Green Edge)	0	0	0	51,000	51,000	3,000,000	3,000,000	3,000,000		
Header Manifold - Modifications	50,000	500,000								
Cover Sludge Lagoons/Replacement	1,085,000	0	0							
Liquid - Stage 2b Investigation	0	0								
Filter Pump Switchgear								106,000	106,000	
Motor Distribution Centre (Above Ground)							445,000			150,000
TOTAL - WASTEWATER	10,462,174	5,480,274	3,217,794	3,267,774	4,891,614	7,840,614	6,597,294	6,318,294	3,380,720	3,424,200
TOTAL INFRASTRUCTURAL	10,771,243	5,819,274	3,456,794	3,506,774	5,130,614	8,049,614	6,806,294	6,527,294	3,589,720	3,633,200

## 9.2.56

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b><u>Fixed Assets</u></b>										
<b><u>Water Supply</u></b>										
<b><u>Wastewater</u></b>										
<b><u>Pumping</u></b>										
<b><u>Treatment Works</u></b>										
Software (Scada)	5,400						10,600			
Trickling Filter - Cover Painting		21,400				54,000				
<b><u>Trade Waste</u></b>										
<b><u>Laboratory</u></b>										
<b><u>Solid Waste</u></b>										
Resource Recovery Centres Upgrade (RMF Managed)	10,600									
Refuse Stations Modifications to accommodate new vehicle	1,117,700	3,530,848								
Project Management	20,782	17,900								
Minor Improvements	20,400	20,400	20,400	51,000	51,000	51,000	51,000	51,000	51,000	51,000
<b><u>Support</u></b>										
Equipment & Computer Software	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
<b>TOTAL FIXED ASSETS</b>	<b>1,199,882</b>	<b>3,615,548</b>	<b>45,400</b>	<b>76,000</b>	<b>76,000</b>	<b>76,000</b>	<b>130,000</b>	<b>86,600</b>	<b>76,000</b>	<b>76,000</b>
<b>TOTAL ASSET IMPROVEMENTS</b>	<b>11,971,125</b>	<b>9,434,822</b>	<b>3,502,194</b>	<b>3,582,774</b>	<b>5,206,614</b>	<b>8,125,614</b>	<b>6,936,294</b>	<b>6,613,894</b>	<b>3,665,720</b>	<b>3,709,200</b>



RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
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**NEW ASSETS****Infrastructural Assets****Water Supply****Reticulation**

Submains	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Additional infrastructure required for developments	53,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000
New Mains Programme	309,140	326,000	326,000	226,000	726,000	126,000	126,000	626,000	626,000	126,000
Mt Pleasant New Mains	0									
Ellesmere Trunk Main										
Unallocated										
<b>Sub Total</b>	383,140	400,000	400,000	300,000	800,000	200,000	200,000	700,000	700,000	200,000

Note: figures include Geodata Services and Project Management

**Headworks**

Standby Diesels	0									
Land Purchase for Pump Station				200,000				200,000		
Bottle Lake Pump Station	0									
New wells for growth	0	200,000	200,000		200,000				200,000	
Mt Pleasant New Reservoir & Pumps	132,000									
New secondary station (growth)				200,000						
Ellesmere Pump Station										
West Zone Reservoir										
Other Works - growth and development										
New Pump Station Northern Area						700,000	700,000			700,000
New reservoirs (growth)				270,000						
contribution to developer provided headwoRks	200,000								100,000	
Project Management-Design & Supervision	30,986	16,000	16,000	54,000	16,000	56,000	56,000	16,000	24,000	56,000
Unallocated										
<b>Sub Total</b>	362,986	216,000	216,000	724,000	216,000	756,000	756,000	216,000	324,000	756,000

**New Assets (Recoverable)**

New C/Ns (Schedule) - 13mm	385,000	374,000	363,000	351,000	338,000					
New C/Ns (Schedule) - 19mm	0									
Invoiced Connections	100,000	100,000	100,000	100,000	100,000					
Rural Restricted C/ns	5,000	5,000	5,000	5,000	5,000					
Mains	4,000	4,000	4,000	4,000	4,000					

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
Submains	1,000	1,000	1,000	1,000	1,000					
Geodata Services	11,535	42,000	42,000	42,000	42,000					
New Connection Administration - Geodata	58,761	76,500	76,500	76,500	76,500					
Unallocated		114,000	111,000	108,000	106,000	572,000	557,000	542,000	528,000	513,000
<b>Sub Total</b>	565,296	716,500	702,500	687,500	672,500	572,000	557,000	542,000	528,000	513,000
<b>TOTAL - WATER SUPPLY</b>	1,311,422	1,332,500	1,318,500	1,711,500	1,688,500	1,528,000	1,513,000	1,458,000	1,552,000	1,469,000
<b>Wastewater</b>										
<b>Reticulation</b>										
Project Management	20,782	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Contract Supervision (Ex City Solutions)	110,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000
Data Collection (Ex City Solutions)	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
McSaveney's Road	0									
Chaney's Rural Industrial Zone		106,000	297,000							
Islington	0									
Reticulation Odour Control	51,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
New Mains Programme	108,000	106,000	106,000	106,000	106,000	106,000	106,000	106,000	106,000	106,000
Subdivisions Sewer Cost Share Contributions	53,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000
<b>Pumping</b>										
<b>Treatment Works</b>										
Project Management - Alloc O/Head - Cost Centre	114,038									
Composting Rag & Grit	185,600									
Lifelines equipment	35,000									
Sludge Dewatering - 2nd press									100,000	
5th & 6th Digester	1,000,000	3,000,000	2,000,000						0	
Minor Plant	0	30,000	30,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000
Lifelines Equipment										
Ocean Pipeline consent and investigations	600,000	600,000	400,000	400,000						
Ocean Pipeline				20,000,000	25,000,000					
UV Sterilisation					0	0				
<b>TOTAL - WASTEWATER</b>	2,283,420	4,052,000	3,043,000	20,769,000	25,369,000	369,000	369,000	369,000	469,000	369,000
<b>TOTAL INFRASTRUCTURAL ASSETS</b>	3,594,842	5,384,500	4,361,500	22,480,500	27,057,500	1,897,000	1,882,000	1,827,000	2,021,000	1,838,000

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>Fixed Assets</b>										
<b>Water Supply</b>										
Water Supply - Network Model (Project Management)	0				40,000				40,000	
Water Supply - Network Model (PAMs Interaction)	0									
<b>Wastewater</b>										
<b>Pumping</b>										
<b>Treatment Works</b>										
Biosolids Feed Pump								25,500		
Waukesha Cylinder Head							16,700			
Emergency Pump							20,800			
Pond Data Collection							62,600			
Crane (Portable)							41,700			
Third Sludge Thickening Machine								408,000		
Thickened Sludge Transfer Pump									80,000	
Unallocated				30,000	30,000	30,000	30,000	30,000	30,000	30,000
<b>Trade Waste</b>										
Flow Recording Data Logger		15,600					15,600			
Isco sampling Machine (Additional)	0									
Trade Waste Samplers				30,000						
<b>Laboratory</b>										
<b>Solid Waste</b>										
New Canterbury Regional Landfill	400,000									
Recovered Materials Foundation (RMF)	500,000	0	0	0	0	0	0	0	0	0
Kerbside Recycling (Bins for population growth - note)	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,500
New Initiatives (eg MRF)	30,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Start up Invessel Compost Plant	2,893,500	2,893,500	500,000							
Strategic Land Purchase Reserve	0									
Project Management - Invessel Compost Plant	0									
<b>Support</b>										
Equipment & Computer Software	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000	26,000
<b>TOTAL FIXED ASSETS</b>	<b>3,863,400</b>	<b>3,199,000</b>	<b>789,900</b>	<b>349,900</b>	<b>359,900</b>	<b>319,900</b>	<b>477,300</b>	<b>753,400</b>	<b>439,900</b>	<b>319,500</b>
<b>TOTAL NEW ASSETS</b>	<b>7,458,242</b>	<b>8,583,500</b>	<b>5,151,400</b>	<b>22,830,400</b>	<b>27,417,400</b>	<b>2,216,900</b>	<b>2,359,300</b>	<b>2,580,400</b>	<b>2,460,900</b>	<b>2,157,500</b>

## 9.2.60

RESPONSIBLE COMMITTEE:	SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2003/2004 Year 1	2004/2005 Year 2	2005/2006 Year 3	2006/2007 Year 4	2007/2008 Year 5	2008/2009 Year 6	2009/2010 Year 7	2010/2011 Year 8	2011/2012 Year 9	2012/2013 Year 10
<b>SUMMARY</b>										
RENEWALS & REPLACEMENTS	6,749,344	6,714,104	8,408,700	8,185,600	6,656,400	6,281,808	9,399,540	7,763,060	9,097,400	7,704,000
ASSET IMPROVEMENTS	11,971,125	9,434,822	3,502,194	3,582,774	5,206,614	8,125,614	6,936,294	6,613,894	3,665,720	3,709,200
NEW ASSETS	7,458,242	8,583,500	5,151,400	22,830,400	27,417,400	2,216,900	2,359,300	2,580,400	2,460,900	2,157,500
<b>TOTAL CITY WATER &amp; WASTE</b>	<b>26,178,711</b>	<b>24,732,426</b>	<b>17,062,294</b>	<b>34,598,774</b>	<b>39,280,414</b>	<b>16,624,322</b>	<b>18,695,134</b>	<b>16,957,354</b>	<b>15,224,020</b>	<b>13,570,700</b>
<b>Annual Plan 2002/2003</b>										
22,653,804	31,479,605	26,953,206	22,016,906	20,584,986	14,999,586	14,532,686	16,572,885	16,526,985	23,326,946	
Annual Plan 2002/2003 Plus 2%	32,109,198	27,492,270	22,457,244	20,996,686	15,299,578	14,823,340	16,904,342	16,857,524	23,793,485	
<i>Variance</i>	-5,930,487	-2,759,844	-5,394,950	13,602,088	23,980,836	1,800,982	1,790,792	99,830	-8,569,465	
<i>Cumulative Variance</i>	-5,930,487	-8,690,331	-14,085,280	-483,192	23,497,645	25,298,627	27,089,418	27,189,248	18,619,783	
<b>SUMMARY - INFRASTRUCTURAL ASSETS / FIXED ASSETS</b>										
<b>Water Supply</b>										
RENEWALS & REPLACEMENTS	3,621,498	3,605,000	3,694,000	3,726,000	3,504,000	3,523,000	3,495,000	3,563,000	3,896,000	3,629,000
ASSET IMPROVEMENTS	309,068	339,000	239,000	239,000	239,000	209,000	209,000	209,000	209,000	209,000
NEW ASSETS	1,311,422	1,332,500	1,318,500	1,711,500	1,688,500	1,528,000	1,513,000	1,458,000	1,552,000	1,469,000
Total - Water Supply	5,241,989	5,276,500	5,251,500	5,676,500	5,431,500	5,260,000	5,217,000	5,230,000	5,657,000	5,307,000
<b>Wastewater</b>										
RENEWALS & REPLACEMENTS	2,626,646	2,773,800	3,279,600	3,300,800	2,176,100	2,100,808	2,261,840	2,363,300	2,412,800	2,890,000
ASSET IMPROVEMENTS	10,462,174	5,480,274	3,217,794	3,267,774	4,891,614	7,840,614	6,597,294	6,318,294	3,380,720	3,424,200
NEW ASSETS	2,283,420	4,052,000	3,043,000	20,769,000	25,369,000	369,000	369,000	369,000	469,000	369,000
Total - Wastewater	15,372,240	12,306,074	9,540,394	27,337,574	32,436,714	10,310,422	9,228,134	9,050,594	6,262,520	6,683,200
<b>TOTAL INFRASTRUCTURAL ASSETS</b>	<b>20,614,229</b>	<b>17,582,574</b>	<b>14,791,894</b>	<b>33,014,074</b>	<b>37,868,214</b>	<b>15,570,422</b>	<b>14,445,134</b>	<b>14,280,594</b>	<b>11,919,520</b>	<b>11,990,200</b>
<b>TOTAL FIXED ASSETS</b>	<b>5,564,482</b>	<b>7,149,852</b>	<b>2,270,400</b>	<b>1,584,700</b>	<b>1,412,200</b>	<b>1,053,900</b>	<b>4,250,000</b>	<b>2,676,760</b>	<b>3,304,500</b>	<b>1,580,500</b>
<b>TOTAL CITY WATER &amp; WASTE</b>	<b>26,178,711</b>	<b>24,732,426</b>	<b>17,062,294</b>	<b>34,598,774</b>	<b>39,280,414</b>	<b>16,624,322</b>	<b>18,695,134</b>	<b>16,957,354</b>	<b>15,224,020</b>	<b>13,570,700</b>

RESPONSIBLE COMMITTEE:		SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2002/2003 Present Charge  (Inc. GST)	2002/2003 Ext Revenue From Present Charge (Excl GST)	2003/2004 Proposed Charge  (Incl GST)	2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST)	2003/2004 Projected Ext Revenue as a percentage of Total Cost	Notes
<b>WATER SUPPLY</b>						
<b>Water Applications</b>						
Water Supply Connection Fees & charges - standard domestic	\$370	\$500,000	\$425	\$577,000	100.00%	
Commercial & Industrial Connection - Administration & Engineering fees	\$67.50 per conn	\$10,000	\$67.50 per conn	\$10,000	100.00%	
<b>Supply Of Water</b>						
Rural Restricted Water Supply - see note (1)	\$65 per Unit/annum	\$6,000	\$65 per Unit/annum	\$6,000	100.00%	
Water Consumption Charges (Charges as an excess targeted rate under section 19 of the Local Government (Rating) Act 2002 to other than private residential consumers.)	Pre-paid allowance based on one cubic metre for every 27c of water rate levied. With a minimum of 255 Cu/M		Pre-paid allowance based on one cubic metre for every 27c of water rate levied. With a minimum of 255 Cu/M		100.00%	
	Water used above allowance charged at 33c per Cu/M		Water used above allowance charged at 33c per Cu/M			
		\$1,372,000		\$1,422,000		
	Consumers not paying a water rate 33c /Cu/M Flat		Consumers not paying a water rate 33c /Cu/M Flat			
Supply of Bulk Water ex Fire Hydrant	\$70/hr	\$5,000	\$70/hr	\$5,000	100.00%	
Non Metered Fire Fighting Connection (Charged as a uniform targeted rate - Water Supply Fire Connection)	\$100/pa.	\$45,000	\$100/pa. (\$45,000 now rate revenue)	\$0	100.00%	
<b>RECOVERABLE EXPENDITURE</b>						
New Sub-Mains/Connections - Cost Share		\$98,000		\$43,000		
Damage Recoveries		\$48,000		\$83,000		
Miscellaneous		\$5,000		\$5,000		
Headworks Capacity Upgrade Fee	\$562.50 Per new lot or additional dwelling unit	\$550,000	\$562.50 Per new lot or additional dwelling unit	\$627,000		
Landsdowne Scheme	\$0.60 per Cu/M	\$42,000	\$0.60 per Cu/M	\$25,000	100.00%	
Commercial/Industrial Connections		\$110,000		\$104,250		
<b>TOTAL WATER SUPPLY - See note (2)</b>		<b>\$2,791,000</b>		<b>\$2,907,250</b>		

RESPONSIBLE COMMITTEE:		SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2002/2003 Present Charge  (Inc. GST)	2002/2003 Ext Revenue From Present Charge (Excl GST)	2003/2004 Proposed Charge (Incl GST)	2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST)	2003/2004 Projected Ext Revenue as a percentage of Total Cost	Notes
<b>WASTEWATER</b>						
<b>Trade Wastes</b>						
Annual Charges - for flow rate up to 5m <sup>3</sup> / day	Varies from \$135.00 p.a. to \$397.13 p.a.		Varies from \$135.00 p.a. to \$397.13 p.a.			
Quarterly Charges - for flow rate over 5m <sup>3</sup> / day		\$1,800,000		\$1,800,000		
Volume	\$0.36113/m <sup>3</sup>		\$0.40399/m <sup>3</sup>			
Suspended Solids	\$0.21431/kg		\$0.28384/kg		100.00%	
BOD	\$0.17910/kg		\$0.21082/kg			
Tanker Registrations					100.00%	
	\$18.00/m <sup>3</sup>	\$85,000	\$18.00/m <sup>3</sup>	\$70,000	100.00%	
Application Fees	actual costs	\$10,000	actual costs	\$5,000	100.00%	
Trade Waste Discharge Analysis	actual costs	\$10,000	actual costs	\$10,000	100.00%	
<b>Other Charges</b>						
Sale of Energy	Varies according to tariff	\$132,000	Varies according to tariff	\$150,000	100.00%	
Miscellaneous Sales (Scrap etc)	varies	\$5,600	varies	\$6,000	N/A	
Sewer Lateral Recoveries		\$10,000		\$10,000	100.00%	
Acceptance of Airport Sewage		\$120,000		\$100,000	100.00%	
Acceptance of Selwyn District Sewage		\$96,000		\$105,000		
CWTP Capacity Upgrade Fee	\$607.50 per connection	\$650,000	\$607.50 per new lot or new additional dwelling unit	\$738,000	100.00%	
Cost Sharing Contributions		\$20,000		\$20,000	100.00%	
Reticulation Capacity Upgrade Fee			\$477.00 per new lot or new additional dwelling unit	\$500,000	100.00%	
Laboratory Services	Varies	\$41,008	Varies	\$43,583	100.00%	
Hire of Equipment		\$0		\$0	100.00%	
Stormwater Inflow Recoveries		\$2,000		\$2,000		
Geodata - Sale of Plans	\$10.00/ A4 sheet	\$20,000	\$10.00/ A4 sheet	\$20,000	100.00%	
<b>TOTAL WASTEWATER</b>		<b>\$3,001,608</b>		<b>\$3,579,583</b>		

RESPONSIBLE COMMITTEE:		SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2002/2003 Present Charge  (Inc. GST)	2002/2003 Ext Revenue From Present Charge (Excl GST)	2003/2004 Proposed Charge  (Incl GST)	2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST)	2003/2004 Projected Ext Revenue as a percentage of Total Cost	Notes
<b>SOLID WASTE</b>						
<b>Refuse Bag &amp; Other Charges</b>						
Plastic Bags	\$1.00	\$665,050	\$1.00	\$665,000	100.00%	
Trailer Nets and Other	varies	\$3,000	varies	\$3,000		
Resource Resue Centres				\$49,000	100.00%	
<b>Refuse Stations</b>						
<b>General Refuse - See note (3)</b>						
All vehicles(both private & commercial) charged by weight at the same rate and classified as "General Refuse"						
General Refuse (Refuse Stations and Landfill)	\$87.50/tonne	\$11,356,782	\$97.00/tonne	\$9,406,004	100.00%	
Private vehicles -Rubble (charged by weight)	\$35.80/tonne	\$159,109	\$35.80/tonne	\$159,109	100.00%	
All vehicles minimum charge	\$5.00/load		\$5.00/load			
<b>Landfill Direct</b>						
Hardfill	\$35.80/tonne	\$222,753	\$35.80/tonne	\$381,862	100.00%	
General Refuse	\$87.50/tonne	\$1,052,484	\$97.00/tonne	\$1,238,302		
Special and Treated Hazardous Waste (01/02 included in General Waste) s	\$110.00/tonne	\$573,999	\$119.50/tonne	\$334,446		
Large loads direct to Burwood			\$65.00/tonne	\$2,600,017		
All vehicles minimum charge	\$5.00/load		\$5.00/load			
Regional (Waimakariri DC)	\$33.90/tonne	\$391,726	\$33.90/tonne	\$391,726	100.00%	
Regional (Ashburton DC)	\$33.90/tonne	\$195,863	\$33.90/tonne	\$195,863	100.00%	
Regional (Banks Peninsula DC)	\$33.90/tonne	\$15,066	\$33.90/tonne	\$15,066		
Regional (Hurunui DC)	\$33.90/tonne	\$60,266	\$33.90/tonne	\$75,332		
Regional (Selwyn DC)	\$33.90/tonne	\$45,199	\$33.90/tonne	\$45,199		
<b>Clean Fills</b>						
Waste Minimisation Levy - Clean Fills			\$3.00/tonne	\$1,000,000	100.00%	
All vehicles Minimum Charge	\$5.00/load		\$5.00/load			

RESPONSIBLE COMMITTEE:		SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2002/2003 Present Charge  (Inc. GST)	2002/2003 Ext Revenue From Present Charge (Excl GST)	2003/2004 Proposed Charge  (Incl GST)	2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST)	2003/2004 Projected Ext Revenue as a percentage of Total Cost	Notes
<b>Green Waste - See note (4)</b>						
Organic Waste	\$52.50/tonne		\$58.20/tonne			
Minimum Charge - cars/station wagons	\$3.00/load		\$3.00/load			
- all other vehicles (including trailers)	\$4.00/load		\$4.00/load			
Mixed Load green / refuse (more than 50% green)	\$71.50/tonne	\$1,589,293	\$79/tonne	\$1,832,020		
Mixed Load green / rubble (more than 50% green)	\$55.00/tonne		\$62.50/tonne			
Minimum charge (mixed load)	\$5.00/load		\$5.00/load			
Compost Sales		\$50,000		\$10,000	75.60%	
<b>Recycling</b>						
Commercial Waste Reduction		\$100		\$0		
Domestic Composting		\$500		\$500		
Kerbside Recycling Crate Sales	\$8.50/crate	\$500	\$8.50/crate	\$100	100.00%	
<b>TOTAL SOLID WASTE</b>		<b>\$16,381,690</b>		<b>\$18,402,546</b>		
<b>TOTAL CITY WATER &amp; WASTE</b>		<b>\$22,174,298</b>		<b>\$24,889,379</b>		
<p>Note (1) A unit is an amount of water flowing through a restrictor that allows a flow of up to 1 cubic metre per day.</p> <p>Note (2) Excludes internal revenue from water sales to Parks &amp; Waterways and City Streets units.</p> <p>Note (3) In 2000 the Council resolved to increase the general refuse rate in 3 equal steps over the years 2001/02, 2002/03 and 2003/04 up to the level required when the new Canterbury Regional Landfill opens. The 2002/03 general refuse rate is the third of these three steps. At the same time that the Council resolved to increase the refuse fees it also resolved to fix the greenwaste rate at 60% of the general refuse rate to strike a balance between the need to offer an incentive to the public to recycle greenwaste and the need to (partially) cover the greenwaste processing cost.</p> <p>Note (4) All greenwaste vehicles (both private &amp; Commercial) now charged by weight at the same rate and classified as "Organic Waste" (rate = 60% of refuse).</p>						



9.2.funding

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
ACTIVITY:	<b>FUNDING POLICY</b>

For Funding Policy see page 9.2.funding.text.7.

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE - WATER SUPPLY</b>

**OUTPUT: WATER BILLING AND MONITORING**

**Description** Reading water meters for both conservation and billing the non private residential consumers

**Benefits** The whole water supply system benefits from monitoring and conservation measures and the billing process charges the commercial users to ensure efficient use of water.

**Strategic Objectives** A3, C1, C4, C5, **CCC Policy** Water charges to commercial / residential properties  
E1, E3, G1, G2

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The general benefit arises from the monitoring of the whole system to ensure efficiency and conservation.

**Nature and Distribution of General Benefits**

These accrue to those who are within the serviced area and are therefore liable to the Water Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the billing function and therefore to user charges

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the Water Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Water Rates by Capital Value, likewise any contribution from surpluses are credited to Water Rates

**Direct Benefits**

Direct Benefits shall be funded from user charges

**Control Negative Effects**

## 9.2.funding.7

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE - WATER SUPPLY</b>

**OUTPUT : WATER BILLING AND MONITORING**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	92,057	22,419	991	6,302		121,768 CapValWater
80.00% Direct Benefits	487,074	-	-	-	-		487,074 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	487,074	92,057	22,419	991	6,302	-	608,842
<i>Modifications</i>							
Transfer User Costs to Rating	1,182,926	(894,294)	(217,786)	(9,623)	(61,224)		(0) CapValWater
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	1,182,926	(894,294)	(217,786)	(9,623)	(61,224)	-	(0)
<b>Total Costs and Modifications</b>	<b>1,670,000</b>	<b>(802,237)</b>	<b>(195,367)</b>	<b>(8,632)</b>	<b>(54,921)</b>	<b>-</b>	<b>608,842</b>

**Funded By**

274.29% User Charges	1,670,000						1,670,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
-174.29% Capital Value Rating	-	(802,237)	(195,367)	(8,632)	(54,921)	-	(1,061,158)
0.00% Uniform Annual Charge		-	-	-			-
<b>Total Funded By</b>	<b>1,670,000</b>	<b>(802,237)</b>	<b>(195,367)</b>	<b>(8,632)</b>	<b>(54,921)</b>	<b>-</b>	<b>608,842</b>

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - WATER SUPPLY</b>

**OUTPUT: INFORMATION AND ADVICE**

**Description** Provide information about the water system to elected members and the public both on a planned and as requested basis. To process applications and implement Bylaws.

**Benefits** The whole water supply system benefits from responding to requests for information and developing the awareness of potable water issues.

**Strategic Objectives** A3, C1, C4, C5 **CCC Policy** City Plan, Seeking Community views

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The general benefit arises from increased sensible use of the potable water system and conservation.

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the Water Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the consumers of water.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the Water Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Water Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and Water rates.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - WATER SUPPLY</b>

**OUTPUT : INFORMATION AND ADVICE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
80.00% General Benefits	-	426,028	103,750	4,584	29,166		563,528 CapValWater
20.00% Direct Benefits	140,882	-	-	-	-		140,882 TableC
0.00% Negative Effects	-	-	-	-	-		- TableC
<i>Total Costs</i>	140,882	426,028	103,750	4,584	29,166	-	704,410
<i>Modifications</i>							
Transfer User Costs to Rating	(140,882)	106,507	25,937	1,146	7,292		- CapValWater
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(140,882)	106,507	25,937	1,146	7,292	-	-
Total Costs and Modifications	-	532,535	129,687	5,730	36,458	-	704,410

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	532,535	129,687	5,730	36,458	-	704,410
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	532,535	129,687	5,730	36,458	-	704,410

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - WATER SUPPLY</b>

**OUTPUT: PLANNING**

**Description** Planning for the long-term sustainable management of the water supply system and translation of these plans into asset management plans.

**Benefits** This output provides an assurance to Council and the community that the water supply function is being managed & funded for the long term projections and use.

**Strategic Objectives** A3, C1, C4, C5, **CCC Policy** City Plan, Seeking Community views, Water Supply Asset Management Plan

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The general benefit accrue to the future water consumers and the community.

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the Water Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the consumers of water.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the Water Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Water Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and Water rates.

**Control Negative Effects**

## 9.2.funding.9

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - WATER SUPPLY</b>

**OUTPUT : PLANNING**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
80.00% General Benefits	-	647,685	157,729	6,969	44,341		856,724 CapValWater
20.00% Direct Benefits	214,181	-	-	-	-		214,181 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	214,181	647,685	157,729	6,969	44,341	-	1,070,905
<i>Modifications</i>							
Transfer User Costs to Rating	(214,181)	161,921	39,432	1,742	11,085		0 CapValWater
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(214,181)	161,921	39,432	1,742	11,085	-	0
Total Costs and Modifications	-	809,606	197,162	8,711	55,426	-	1,070,905

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	809,606	197,162	8,711	55,426	-	1,070,905
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	809,606	197,162	8,711	55,426	-	1,070,905

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER - WATER SUPPLY</b>

**OUTPUT: HEADWORKS**

**Description** Potable water is abstracted from the underground aquifers and delivered to the reticulation through weels, pump stations and reservoirs.

**Benefits** Plentiful potable water for domestic and commercial users.

**Strategic Objectives** A3, C1,C4, C5, **CCC Policy**  
E1, E3, G1, G2

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

These arise from the contributions a potable water supply makes to public health and reliability makes to fighting fires.

**Nature and Distribution of General Benefits**

These accrue to those who are within the serviced area and are therefore liable to the Water Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the consumers of water.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the Water Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Water Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and Water rates.

**Control Negative Effects**



## 9.2.funding.10

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER - WATER SUPPLY</b>

**OUTPUT : HEADWORKS**

*Customer Residential Commercial Rural Institutions Grants Total Method*

**Costs and Modifications***Costs*

20.00% General Benefits	-	725,374	176,649	7,805	49,659		959,488 CapValWater
80.00% Direct Benefits	3,837,951	-	-	-	-		3,837,951 TableC
0.00% Negative Effects	-	-	-	-	-		- 0

<i>Total Costs</i>	3,837,951	725,374	176,649	7,805	49,659	-	4,797,439
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*Modifications*

Transfer User Costs to Rating	(3,837,951)	2,901,497	706,596	31,221	198,637		0 CapValWater
Non-Rateable	-	-	-	-	-		- 0

<i>Total Modifications</i>	(3,837,951)	2,901,497	706,596	31,221	198,637	-	0
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Total Costs and Modifications	-	3,626,871	883,245	39,026	248,297	-	4,797,439
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**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	3,626,871	883,245	39,026	248,297	-	4,797,439
0.00% Uniform Annual Charge		-	-	-			-

Total Funded By	-	3,626,871	883,245	39,026	248,297	-	4,797,439
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RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER - WATER SUPPLY</b>

**OUTPUT: RETICULATION**

**Description** Potable water is delivered to private property through the reticulation system.

**Benefits** Property owners enjoy a plentiful potable water supply

**Strategic Objectives** A3, C1,C4, C5, **CCC Policy** Water supply - Urban Water Area  
E1, E3, G1, G2

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

These arise from the contributions a potable water supply makes to public health and reliability makes to fighting fires.

***Nature and Distribution of General Benefits***

These accrue to those who are within the serviced area and are therefore liable to the Water Rate

***Direct Benefits (Section 112F(c))***

These accrue from the services to the consumers of water.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

Allocated to those who pay the Water Rate by Capital Value as they are the stakeholders of this function.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

General Benefits shall be funded from Water Rates by Capital Value

***Direct Benefits***

Direct Benefits shall be funded from user charges and Water rates.

***Control Negative Effects***

## 9.2.funding.11

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>SUPPLY OF WATER - WATER SUPPLY</b>

**OUTPUT : RETICULATION**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	1,045,522	254,614	11,250	71,577		1,382,963 CapValWater
80.00% Direct Benefits	5,531,851	-	-	-	-		5,531,851 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	5,531,851	1,045,522	254,614	11,250	71,577	-	6,914,814
<i>Modifications</i>							
Transfer User Costs to Rating	(5,403,851)	4,085,320	994,890	43,959	279,682		- CapValWater
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(5,403,851)	4,085,320	994,890	43,959	279,682	-	-
Total Costs and Modifications	128,000	5,130,842	1,249,504	55,209	351,259	-	6,914,814

**Funded By**

1.85% User Charges	128,000						128,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
98.15% Capital Value Rating	-	5,130,842	1,249,504	55,209	351,259	-	6,786,814
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	128,000	5,130,842	1,249,504	55,209	351,259	-	6,914,814

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE - WATER SUPPLY</b>

**OUTPUT: CAPITAL WORKS REVENUE**

**Description** Revenues from connection charges and developers contributions are credited to revenue and could be matched to capital expenditure

**Benefits** The revenue is separately identified so that the gross costs to operate the water system is disclosed.

**Strategic Objectives** A3, C1, C4, C5, **CCC Policy** City Plan, Seeking Community views, Urban water supply area.  
E1, E3, G1, G2

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

These are the benefits of the whole system, both Headworks and reticulation

**Nature and Distribution of General Benefits**

These accrue to those who are within the serviced area and are therefore liable to the Water Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the consumers of water.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the Water Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Water Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and Water rates.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE - WATER SUPPLY</b>

**OUTPUT : CAPITAL WORKS REVENUE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-		- CapValWater
0.00% Direct Benefits	-	-	-	-	-		- TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	-	-	-	-	-	-	-
<i>Modifications</i>							
Transfer User Costs to Rating	1,361,250	(1,029,107)	(250,617)	(11,073)	(70,453)		- CapValWater
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	1,361,250	(1,029,107)	(250,617)	(11,073)	(70,453)	-	-
<b>Total Costs and Modifications</b>	<b>1,361,250</b>	<b>(1,029,107)</b>	<b>(250,617)</b>	<b>(11,073)</b>	<b>(70,453)</b>	<b>-</b>	<b>-</b>

**Funded By**

0.00% User Charges	1,361,250						1,361,250
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
0.00% Capital Value Rating	-	(1,029,107)	(250,617)	(11,073)	(70,453)	-	(1,361,250)
0.00% Uniform Annual Charge		-	-	-			-
<b>Total Funded By</b>	<b>1,361,250</b>	<b>(1,029,107)</b>	<b>(250,617)</b>	<b>(11,073)</b>	<b>(70,453)</b>	<b>-</b>	<b>-</b>

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE - WASTEWATER</b>

**OUTPUT: TRADEWASTE**

**Description** Metering and charging for Industrial liquid waste.

**Benefits** User pays for those who use the service for extraordinary discharge

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Tradewaste Charges  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

None. All benefits accrue to identifiable users.

***Nature and Distribution of General Benefits******Direct Benefits (Section 112F(c))***

Direct benefits accrue to those trade establishments connected to the system.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

It is Council policy to moderate the level of direct charging. Costs not collected from users shall be allocated to ratepaying sectors on the basis of capital value.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits******Direct Benefits***

Most costs are funded by direct users. The balance shall be funded by capital value rating on properties liable for the sewerage rate.

***Control Negative Effects***

## 9.2.funding.16

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>OPERATIONS REVENUE - WASTEWATER</b>

**OUTPUT :    TRADEWASTE**

*Customer   Residential   Commercial   Rural   Institutions   Grants   Total Method*

**Costs and Modifications***Costs*

0.00% General Benefits	-	-	-	-	-	-	- 0
100.00% Direct Benefits	289,997	-	-	-	-	-	289,997 TableC
0.00% Negative Effects	-	-	-	-	-	-	- 0
<i>Total Costs</i>	289,997	-	-	-	-	-	289,997

*Modifications*

Transfer User Costs to Rating	1,730,003	(1,301,050)	(332,758)	(7,943)	(88,251)	-	- CapValSewer
Non-Rateable	-	-	-	-	-	-	- 0
<i>Total Modifications</i>	1,730,003	(1,301,050)	(332,758)	(7,943)	(88,251)	-	-

Total Costs and Modifications	2,020,000	(1,301,050)	(332,758)	(7,943)	(88,251)	-	289,997
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**Funded By**

696.56% User Charges	2,020,000						2,020,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
-596.56% Capital Value Rating	-	(1,301,050)	(332,758)	(7,943)	(88,251)	-	(1,730,003)
0.00% Uniform Annual Charge		-	-	-			-

Total Funded By	2,020,000	(1,301,050)	(332,758)	(7,943)	(88,251)	-	289,997
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RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - WASTEWATER</b>

**OUTPUT: INFORMATION AND ADVICE**

**Description** Provide information about the wastewater system to elected members and the public both on a planned and as requested basis. To process applications and implement Bylaws.

**Benefits** The whole wastewater system benefits from responding to requests for information and developing the awareness of issues.

**Strategic Objectives** A3, C1, C4, C5, **CCC Policy** City Plan, Seeking Community views

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The general benefit arises from increased sensible use of the wastewater system and conservation.

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the wastewater Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the users of the wastewater system.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the WasteWater Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from WasteWater Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and Wastewater rates.

**Control Negative Effects**



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - WASTEWATER</b>

**OUTPUT : INFORMATION AND ADVICE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
80.00% General Benefits	-	115,453	31,341	4,243	7,818		158,854 CapValAll
20.00% Direct Benefits	39,714	-	-	-	-		39,714 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	39,714	115,453	31,341	4,243	7,818	-	198,568
<i>Modifications</i>							
Transfer User Costs to Rating	(19,714)	14,826	3,792	91	1,006		(0) CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(19,714)	14,826	3,792	91	1,006	-	(0)
Total Costs and Modifications	20,000	130,278	35,133	4,334	8,823	-	198,568

**Funded By**

10.07% User Charges	20,000						20,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
89.93% Capital Value Rating	-	130,278	35,133	4,334	8,823	-	178,568
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	20,000	130,278	35,133	4,334	8,823	-	198,568

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - WASTEWATER</b>

**OUTPUT: PLANNING**

**Description** Planning for the long-term sustainable management of the waste water system and translation of these plans into asset management plans.

**Benefits** This output provides an assurance to Council and the community that the water supply function is being managed & funded for the long term projections and use.

**Strategic Objectives** A3, C1, C4, C5, **CCC Policy** City Plan, Seeking Community views, Wastewater Asset Management Plan

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The general benefit accrue to the future users of the WasteWater system.

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

**Direct Benefits (Section 112F(c))**

These accrue from the services to the users of the wastewater service.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the wastewater Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Wastewater Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and Wastewater rates.

**Control Negative Effects**

## 9.2.funding.18

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - WASTEWATER</b>

**OUTPUT : PLANNING**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
80.00% General Benefits	-	598,664	153,115	3,655	40,608		796,042 CapValSewer
20.00% Direct Benefits	199,010	-	-	-	-		199,010 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	199,010	598,664	153,115	3,655	40,608	-	995,052
<i>Modifications</i>							
Transfer User Costs to Rating	(199,010)	149,666	38,279	914	10,152		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(199,010)	149,666	38,279	914	10,152	-	-
Total Costs and Modifications	-	748,330	191,394	4,568	50,760	-	995,052

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	748,330	191,394	4,568	50,760	-	995,052
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	748,330	191,394	4,568	50,760	-	995,052

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION - WASTEWATER</b>

**OUTPUT: PUMPING**

*Description* Wastewater is collected and on pumped to the treatment plant

*Benefits* The wastewater system is supplemented with an efficient pumping system.

*Strategic Objectives* A3, B2, C1, C3, **CCC Policy** Asset Management Plan  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

These arise from the contributions a wastewater supply makes to public health.

***Nature and Distribution of General Benefits***

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

***Direct Benefits (Section 112F(c))***

These accrue from the services provided to the users of the wastewater service.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

Allocated to those who pay the wastewater Rate by Capital Value as they are the stakeholders of this function.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

General Benefits shall be funded from wastewater Rates by Capital Value

***Direct Benefits***

Direct Benefits shall be funded from user charges and wastewater rates.

***Control Negative Effects***

## 9.2.funding.19

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION - WASTEWATER</b>

**OUTPUT : PUMPING**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	393,325	100,597	2,401	26,680		523,004 CapValSewer
80.00% Direct Benefits	2,092,014	-	-	-	-		2,092,014 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	2,092,014	393,325	100,597	2,401	26,680	-	2,615,018
<i>Modifications</i>							
Transfer User Costs to Rating	(2,092,014)	1,573,302	402,390	9,605	106,719		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(2,092,014)	1,573,302	402,390	9,605	106,719	-	-
Total Costs and Modifications	-	1,966,627	502,987	12,006	133,398	-	2,615,018

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	1,966,627	502,987	12,006	133,398	-	2,615,018
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	1,966,627	502,987	12,006	133,398	-	2,615,018

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION - WASTEWATER</b>

**OUTPUT: RETICULATION**

**Description** Wastewater is removed from private property by the reticulation system.

**Benefits** Connected properties are provided with a liquid waste disposal system which complies with legal & health standards.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Asset Management Plan  
C4, D3, E1, E3,  
G1

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

These arise from the contributions a wastewater disposal system makes to public health .

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

**Direct Benefits (Section 112F(c))**

Direct benefits accrue to those connected to the system

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Allocated to those who pay the Wastewater Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General Benefits shall be funded from Wastewater Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and wastewater rates.

**Control Negative Effects**

## 9.2.funding.20

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>COLLECTION - WASTEWATER</b>

**OUTPUT : RETICULATION**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	1,789,905	457,788	10,927	121,411		2,380,031 CapValSewer
80.00% Direct Benefits	9,520,126	-	-	-	-		9,520,126 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	9,520,126	1,789,905	457,788	10,927	121,411	-	11,900,157
<i>Modifications</i>							
Transfer User Costs to Rating	(9,473,126)	7,124,274	1,822,113	43,492	483,246		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(9,473,126)	7,124,274	1,822,113	43,492	483,246	-	-
Total Costs and Modifications	47,000	8,914,179	2,279,902	54,419	604,657	-	11,900,157

**Funded By**

0.39% User Charges	47,000						47,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
99.61% Capital Value Rating	-	8,914,179	2,279,902	54,419	604,657	-	11,853,157
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	47,000	8,914,179	2,279,902	54,419	604,657	-	11,900,157

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

**OUTPUT: BELFAST OPERATIONS & MAINTENANCE**

**Description** Operation of the Belfast treatment plant. Wastewater is treated to an acceptable environmental quality and then discharged.

**Benefits** Users of the service and the community are provided with a environmentally safe service.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Asset Management Plan  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

These arise from the contributions a wastewater disposal system makes to public health and protecting the environment.

***Nature and Distribution of General Benefits***

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

***Direct Benefits (Section 112F(c))***

Direct benefits accrue to those connected to the system.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

Allocated to those who pay the Wastewater Rate by Capital Value as they are the stakeholders of this function.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

General Benefits shall be funded from Wastewater Rates by Capital Value

***Direct Benefits***

Direct Benefits shall be funded from user charges and wastewater rates.

***Control Negative Effects***



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

**OUTPUT : BELFAST OPERATIONS & MAINTENANCE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	15,033	3,845	92	1,020		19,989 CapValSewer
80.00% Direct Benefits	79,956	-	-	-	-		79,956 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	79,956	15,033	3,845	92	1,020	-	99,945
<i>Modifications</i>							
Transfer User Costs to Rating	(79,956)	60,131	15,379	367	4,079		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(79,956)	60,131	15,379	367	4,079	-	-
Total Costs and Modifications	-	75,164	19,224	459	5,098	-	99,945

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	75,164	19,224	459	5,098	-	99,945
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	75,164	19,224	459	5,098	-	99,945

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

**OUTPUT: TEMPLETON OPERATIONS & MAINTENANCE**

**Description** Operation of the Templeton treatment plant.. Wastewater is treated to an acceptable environmental quality and then discharged.

**Benefits** Users of the service and the community are provided with a environmentally safe service.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Asset Management Plan  
C4, D3, E1, E3,  
G1

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)**

**General Benefits (Section 112F(b))**

These arise from the contributions a wastewater disposal system makes to public health and protecting the environment.

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

**Direct Benefits (Section 112F(c))**

Direct benefits accrue to those connected to the system.

**Control Negative Effects (Section 112F(d))**

**Modifications Pursuant to Section 12**

Allocated to those who pay the Wastewater Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)**

**General Benefits**

General Benefits shall be funded from Wastewater Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and wastewater rates.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

**OUTPUT :    TEMPLETON OPERATIONS & MAINTENANCE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	5,238	1,340	32	355		6,965 CapValSewer
80.00% Direct Benefits	27,860	-	-	-	-		27,860 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	27,860	5,238	1,340	32	355	-	34,824
<i>Modifications</i>							
Transfer User Costs to Rating	(27,860)	20,952	5,359	128	1,421		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(27,860)	20,952	5,359	128	1,421	-	-
Total Costs and Modifications	-	26,190	6,698	160	1,776	-	34,824

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	26,190	6,698	160	1,776	-	34,824
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	26,190	6,698	160	1,776	-	34,824

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

**OUTPUT: CHRISTCHURCH WASTE WATER TREATMENT PLANT**

**Description** Operation of the Bromley treatment plant. Wastewater is treated to an acceptable environmental quality and then discharged.

**Benefits** Users of the service and the community are provided with a environmentally safe service.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Asset Management Plan  
C4, D3, E1, E3,  
G1

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)**

**General Benefits (Section 112F(b))**

These arise from the contributions a wastewater disposal system makes to public health and protecting the environment.

*Nature and Distribution of General Benefits*

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

**Direct Benefits (Section 112F(c))**

Direct benefits accrue to those connected to the system.

**Control Negative Effects (Section 112F(d))**

**Modifications Pursuant to Section 12**

Allocated to those who pay the Wastewater Rate by Capital Value as they are the stakeholders of this function.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)**

**General Benefits**

General Benefits shall be funded from Wastewater Rates by Capital Value

**Direct Benefits**

Direct Benefits shall be funded from user charges and wastewater rates.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>TREATMENT &amp; DISPOSAL - WASTEWATER</b>

**OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT PLANT**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	1,237,581	316,525	7,555	83,946		1,645,608 CapValSewer
80.00% Direct Benefits	6,582,432	-	-	-	-		6,582,432 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	6,582,432	1,237,581	316,525	7,555	83,946	-	8,228,041
<i>Modifications</i>							
Transfer User Costs to Rating	(6,361,432)	4,784,122	1,223,593	29,206	324,512		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	(6,361,432)	4,784,122	1,223,593	29,206	324,512	-	-
Total Costs and Modifications	221,000	6,021,703	1,540,118	36,761	408,458	-	8,228,041

**Funded By**

2.69% User Charges	221,000						221,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
97.31% Capital Value Rating	-	6,021,703	1,540,118	36,761	408,458	-	8,007,041
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	221,000	6,021,703	1,540,118	36,761	408,458	-	8,228,041

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>LABORATORY - WASTEWATER</b>

**OUTPUT: LABORATORY SERVICES**

*Description* Undertakes analysis of waste water and other samples

*Benefits* Helps to ensure treatment plant is operating to required standards.

*Strategic Objectives* A3, B2, C1, C3, *CCC Policy*  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

These arise from the contributions a wastewater disposal system makes to public health and protecting the environment.

***Nature and Distribution of General Benefits***

These accrue to those who are within the serviced area and are therefore liable to the Wastewater Rate

***Direct Benefits (Section 112F(c))***

Direct benefits accrue to those connected to the system

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

Allocated to those who pay the Wastewater Rate by Capital Value as they are the stakeholders of this function.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

General Benefits shall be funded from Wastewater Rates by Capital Value

***Direct Benefits***

Direct Benefits shall be funded from user charges and wastewater rates.

***Control Negative Effects***

## 9.2.funding.23

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>LABORATORY - WASTEWATER</b>

**OUTPUT :    LABORATORY SERVICES**

*Customer   Residential   Commercial   Rural   Institutions   Grants   Total Method*

**Costs and Modifications***Costs*

20.00% General Benefits	-	23,683	6,057	145	1,606		31,491 CapValSewer
80.00% Direct Benefits	125,963	-	-	-	-		125,963 TableC
0.00% Negative Effects	-	-	-	-	-		- 0

<i>Total Costs</i>	125,963	23,683	6,057	145	1,606	-	157,454
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*Modifications*

Transfer User Costs to Rating	6,491	(4,881)	(1,248)	(30)	(331)		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0

<i>Total Modifications</i>	6,491	(4,881)	(1,248)	(30)	(331)	-	-
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Total Costs and Modifications	132,454	18,801	4,809	115	1,275	-	157,454
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**Funded By**

84.12% User Charges	132,454						132,454
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
15.88% Capital Value Rating	-	18,801	4,809	115	1,275	-	25,000
0.00% Uniform Annual Charge		-	-	-			-

Total Funded By	132,454	18,801	4,809	115	1,275	-	157,454
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RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE - WASTEWATER</b>

**OUTPUT: CAPITAL WORKS REVENUE**

**Description** This is revenue earned from developers from 'connection fees' charged. The purpose is to ensure adequate system capacity to cater for present and future urban growth.

**Benefits** Developers are charged their fair share of future costs as a result of introducing more connections.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Asset Management Plan  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))****Nature and Distribution of General Benefits*

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City as reflected by those who pay general rates.

***Direct Benefits (Section 112F(c))******Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12******Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

The accounting standards require that all revenues including those matched to capital expenditure shall be treated as income. The 'benefits' are therefore 'funded' by capital value rating on properties liable for General rates, as capital value best represents stakeholder interest.

***Direct Benefits******Control Negative Effects***



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>CAPITAL WORKS REVENUE - WASTEWATER</b>

**OUTPUT : CAPITAL WORKS REVENUE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-		- CapValSewer
0.00% Direct Benefits	-	-	-	-	-		- 0
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	-	-	-	-	-	-	-
<i>Modifications</i>							
Transfer User Costs to Rating	1,258,000	(946,080)	(241,971)	(5,776)	(64,174)		- CapValSewer
Non-Rateable	-	-	-	-	-		- 0
<i>Total Modifications</i>	1,258,000	(946,080)	(241,971)	(5,776)	(64,174)	-	-
<b>Total Costs and Modifications</b>	<b>1,258,000</b>	<b>(946,080)</b>	<b>(241,971)</b>	<b>(5,776)</b>	<b>(64,174)</b>	<b>-</b>	<b>-</b>

**Funded By**

0.00% User Charges	1,258,000						1,258,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
0.00% Capital Value Rating	-	(946,080)	(241,971)	(5,776)	(64,174)	-	(1,258,000)
0.00% Uniform Annual Charge		-	-	-			-
<b>Total Funded By</b>	<b>1,258,000</b>	<b>(946,080)</b>	<b>(241,971)</b>	<b>(5,776)</b>	<b>(64,174)</b>	<b>-</b>	<b>-</b>

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - SOLID WASTE</b>

**OUTPUT: INFORMATION AND ADVICE**

**Description** Provide information and advice to the public and the organisation about Solid Waste collection and disposal including recycling promotion.

**Benefits** The serviced community is provided with advice on solid waste matters and the public generally are advised on waste minimisation issues.

**Strategic Objectives** A3, B2, C1, C3, C4, D3, E1, E3, G1  
**CCC Policy** Seeking Community Views Policy

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

Council has a statutory obligation to provide solid waste services and as such the community requires information both on the services supplied and waste minimisation issues. These are seen as general benefits.

***Nature and Distribution of General Benefits***

General benefits accrue to all ratepayers.

***Direct Benefits (Section 112F(c))***

Waste collection services are a direct benefit to serviced properties.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

It is council policy to fund the net cost of the solid waste function from capital value rating. The information and advice is but one component.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

General benefits shall be funded by capital value rating on properties liable for general rates as capital value best represents stakeholder interest in the city.

***Direct Benefits***

Most of the requests are by telephone and/or require but a brief response. Charging is not practical. Direct benefits shall therefore be funded by capital value rates on properties liable for the General Rate.

***Control Negative Effects***

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>INFORMATION AND ADVICE - SOLID WASTE</b>

**OUTPUT : INFORMATION AND ADVICE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
80.00% General Benefits	-	156,077	42,369	5,736	10,568		214,750 CapValAll
20.00% Direct Benefits	53,688	-	-	-	-		53,688 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	53,688	156,077	42,369	5,736	10,568	-	268,438
<i>Modifications</i>							
Transfer User Costs to Rating	(53,688)	39,019	10,592	1,434	2,642		0 CapValAll
Non-Rateable	-	10,098	2,741	371	(13,210)		- CapValGen
<i>Total Modifications</i>	(53,688)	49,117	13,333	1,805	(10,568)	-	0
Total Costs and Modifications	-	205,194	55,702	7,542	-	-	268,438

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	205,194	55,702	7,542	-	-	268,438
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	205,194	55,702	7,542	-	-	268,438

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - SOLID WASTE</b>

**OUTPUT: ADVANCED PLANNING**

**Description** Development of long term strategies, including planning for future land fill sites and maintenance of a waste management plan.

**Benefits** Provides for future planning for solid waste management to meet the city's' ongoing needs.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Solid Waste Management Plan  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

Such planning is of general benefit to the whole City. The entire benefit is assessed as general.

***Nature and Distribution of General Benefits***

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

***Direct Benefits (Section 112F(c))******Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12******Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

These shall be funded by capital value rating on properties liable for the general rate as capital value best represents stakeholder interest.

***Direct Benefits******Control Negative Effects***

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>PLANNING - SOLID WASTE</b>

**OUTPUT :    ADVANCED PLANNING**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
100.00% General Benefits	-	231,874	62,945	8,522	15,701		319,042 CapValAll
0.00% Direct Benefits	-	-	-	-	-		- 0
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	-	231,874	62,945	8,522	15,701	-	319,042
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		- 0
Non-Rateable	-	12,002	3,258	441	(15,701)		- CapValGen
<i>Total Modifications</i>	-	12,002	3,258	441	(15,701)	-	-
Total Costs and Modifications	-	243,876	66,203	8,963	-	-	319,042

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	243,876	66,203	8,963	-	-	319,042
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	243,876	66,203	8,963	-	-	319,042

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REDUCTION - SOLID WASTE</b>

**OUTPUT: COMMERCIAL WASTE REDUCTION**

**Description** Working with the commercial sector to reduce amounts of solid waste dumped.

**Benefits** Reduced waste to landfill and more efficient use of waste stream from participating businesses with more sustainable use of resources.

**Strategic Objectives** A3, B2, C1, C3, C4, D3, E1, E3, G1  
**CCC Policy** Solid Waste Management Plan

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The amenity of the City is enhanced, and the ultimate costs of land fill to all users decreased by the reduction of volumes in the waste stream. The net general benefit is assessed at 50%.

**Nature and Distribution of General Benefits**

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

**Direct Benefits (Section 112F(c))**

Direct benefits accrue to businesses which participate in the programme.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

Charging commercial premises would be a dis-incentive to participate in the programme. Funds for the programme come from the Waste Minimisation Levy payable on all refuse.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits****Direct Benefits**

Costs of direct benefits are to ratepaying sectors on the basis of capital value.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REDUCTION - SOLID WASTE</b>

**OUTPUT : COMMERCIAL WASTE REDUCTION**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
50.00% General Benefits	-	147,652	40,082	5,427	9,998		203,158 CapValAll
50.00% Direct Benefits	203,158	-	-	-	-		203,158 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	203,158	147,652	40,082	5,427	9,998	-	406,316
<i>Modifications</i>							
Transfer User Costs to Rating	(203,158)	147,652	40,082	5,427	9,998		- CapValAll
Non-Rateable	-	15,285	4,149	562	(19,996)		- CapValGen
<i>Total Modifications</i>	(203,158)	162,937	44,231	5,988	(9,998)	-	-
Total Costs and Modifications	-	310,589	84,312	11,415	-	-	406,316

**Funded By**

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
100.00% Capital Value Rating	-	310,589	84,312	11,415	-	-	406,316
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	310,589	84,312	11,415	-	-	406,316

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REUSE - SOLID WASTE</b>

**OUTPUT: RESOURCE REUSE CENTRES**

**Description** Providing support to the Recovered Materials Foundation to manage the recovery of resources from the rubbish stream at the transfer stations. This is the net cost of RMF.

**Benefits** Reduced waste to landfill and more sustainable use of resources.

**Strategic Objectives** A3, B2, C1, C3, C4, D3, E1, E3, G1  
**CCC Policy** Solid Waste Management Plan

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

The cost of the service is considered to be general benefit, in that the city as a whole benefits from a reduced rubbish stream.

**Nature and Distribution of General Benefits**

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

**Direct Benefits (Section 112F(c))****Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

None necessary.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

These shall be funded by capital value rating on properties liable for the general rate as capital value best represents stakeholder interest.

**Direct Benefits**

These shall be funded by sales of materials.

**Control Negative Effects**



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>REUSE - SOLID WASTE</b>

**OUTPUT : RESOURCE REUSE CENTRES**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
100.00% General Benefits	-	4,754	1,290	175	322		6,541 CapValAll
0.00% Direct Benefits	-	-	-	-	-		- 0
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	-	4,754	1,290	175	322	-	6,541
<i>Modifications</i>							
Transfer User Costs to Rating	49,000	(35,612)	(9,667)	(1,309)	(2,411)		- CapValAll
Non-Rateable	-	(1,597)	(434)	(59)	2,090		- CapValGen
<i>Total Modifications</i>	49,000	(37,210)	(10,101)	(1,368)	(322)	-	-
Total Costs and Modifications	49,000	(32,456)	(8,810)	(1,193)	-	-	6,541

**Funded By**

749.16% User Charges	49,000						49,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
-649.16% Capital Value Rating	-	(32,456)	(8,810)	(1,193)	-	-	(42,459)
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	49,000	(32,456)	(8,810)	(1,193)	-	-	6,541

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RECYCLING - SOLID WASTE</b>

**OUTPUT: RECYCLING**

**Description** Kerbside recycling service and includes collection and delivery of materials to the Recovered Materials Foundation (RMF) , and processing ,sale of goods, research and development of local markets carried out by the RMF.

**Benefits** Reduced waste to landfill and more sustainable use of resources. Provides some employment.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Solid Waste Management Plan  
C4, D3, E1, E3,  
G1

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

General benefits accrue to the community by minimising the waste stream, and directing that which can be extracted to alternative uses. Direct benefits accrue to those who deposit rubbish at the transfer station as contained in other outputs. The balance of the cost of the service is considered to be general benefit, in that the city as a whole benefits from a reduced rubbish stream.

*Nature and Distribution of General Benefits*

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

**Direct Benefits (Section 112F(c))**

Direct benefits accrue to those who purchase materials from the waste stream.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

None necessary.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

These shall be funded by the waste minimisation levy payable on all refuse received. At Councils refuse stations. Any residual is funded by capital value rating on properties liable for the general rate as capital value best represents stakeholder interest.

**Direct Benefits**

These shall be funded by sales of materials.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RECYCLING - SOLID WASTE</b>

**OUTPUT : RECYCLING**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
50.00% General Benefits	-	1,253,907	340,386	46,085	84,905		1,725,283 CapValAll
50.00% Direct Benefits	1,725,283	-	-	-	-		1,725,283 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	1,725,283	1,253,907	340,386	46,085	84,905	-	3,450,566
<i>Modifications</i>							
Transfer User Costs to Rating	(1,223,183)	888,989	241,325	32,673	60,195		- CapValAll
Non-Rateable	-	110,915	30,109	4,076	(145,100)		- CapValGen
<i>Total Modifications</i>	(1,223,183)	999,904	271,434	36,750	(84,905)	-	-
Total Costs and Modifications	502,100	2,253,812	611,820	82,835	-	-	3,450,566

**Funded By**

14.55% User Charges	502,100						502,100
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
85.45% Capital Value Rating	-	2,253,812	611,820	82,835	-	-	2,948,466
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	502,100	2,253,812	611,820	82,835	-	-	3,450,566

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESOURCE RECOVERY - SOLID WASTE</b>

**OUTPUT: COMPOST**

**Description** Operating the composting plant and sell the resulting compost. This is the net cost after the dumping fee.

**Benefits** Reusable green waste is separated from the main waste stream thus reducing waste to landfill and allowing value to be added so that it can be resold as a valuable garden product. This is a sustainable use of resources.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Solid Waste Management Plan  
C4, D3, E1, E3,  
G1

**Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)****General Benefits (Section 112F(b))**

General benefit accrues to the community through reduced demand on the land fill.

**Nature and Distribution of General Benefits**

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

**Direct Benefits (Section 112F(c))**

Direct benefits accrue to the purchasers of the compost.

**Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

None necessary.

**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)****General Benefits**

General benefits shall be funded in part by surplus of user charges over direct benefits, by the waste minimisation levy charged on all refuse dumped, and any residual by capital value rating on properties liable for the general rate.

**Direct Benefits**

The service shall be priced considering market conditions and Council's objectives in reducing the waste stream.

**Control Negative Effects**

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESOURCE RECOVERY - SOLID WASTE</b>

**OUTPUT : COMPOST**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
50.00% General Benefits	-	674,787	183,178	24,801	45,691		928,457 CapValAll
50.00% Direct Benefits	928,457	-	-	-	-		928,457 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	928,457	674,787	183,178	24,801	45,691	-	1,856,914
<i>Modifications</i>							
Transfer User Costs to Rating	929,927	(675,856)	(183,468)	(24,840)	(45,764)		- CapValAll
Non-Rateable	-	(55)	(15)	(2)	72		- CapValGen
<i>Total Modifications</i>	929,927	(675,911)	(183,483)	(24,842)	(45,691)	-	-
Total Costs and Modifications	1,858,384	(1,123)	(305)	(41)	-	-	1,856,914

**Funded By**

100.08% User Charges	1,858,384						1,858,384
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
-0.08% Capital Value Rating	-	(1,123)	(305)	(41)	-	-	(1,470)
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	1,858,384	(1,123)	(305)	(41)	-	-	1,856,914

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT: COLLECTION OPERATIONS**

**Description** Collecting household and commercial refuse, managed so as not to compromise waste minimisation objectives.

**Benefits** Benefits accrue to the individuals who have their refuse collected and to the whole community from the improvement in environmental health.

**Strategic Objectives** A3, B2, C1, C3, C4, D3, E1, E3, G1  
**CCC Policy** Solid Waste Management Plan

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

It is considered that the wider community receives a public health benefit, along with the benefits of dissuading burning rubbish, burying privately and the like. This has been allocated to the ratepaying sectors on the basis of their usage of the service.

***Nature and Distribution of General Benefits***

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

***Direct Benefits (Section 112F(c))***

Direct benefit accrues to those who have their rubbish collected.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

The Council believes it is interest of the community for rubbish to be collected regardless of ability to pay, whether payments for contract services are up to date, etc. For this reason, the costs of the direct benefit for a basic level of service are allocated to ratepaying sectors on the basis of the number of properties as a surrogate for likely usage.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

These shall be funded by capital value rating on properties liable for the general rate as capital value best represents stakeholder interest.

***Direct Benefits***

The costs of direct benefits for the basic service shall be recovered from a uniform charge on properties liable for the general rate. Costs of direct benefits above the basic shall be funded by the users through the purchase of rubbish bags beyond those provided by the Council.

***Control Negative Effects***

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT : COLLECTION OPERATIONS**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
20.00% General Benefits	-	869,288	235,977	31,949	58,861		1,196,076 CapValAll
80.00% Direct Benefits	2,392,152	2,109,878	241,607	40,667	-		4,784,304 TableGC32
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	2,392,152	2,979,166	477,584	72,616	58,861	-	5,980,380
<i>Modifications</i>							
Transfer User Costs to Rating	(1,727,152)	1,552,050	141,079	22,270	11,753		- NrProps
Non-Rateable	-	53,978	14,653	1,984	(70,614)		- CapValGen
<i>Total Modifications</i>	(1,727,152)	1,606,027	155,732	24,254	(58,861)	-	-
Total Costs and Modifications	665,000	4,585,194	633,316	96,870	-	-	5,980,380

**Funded By**

11.12% User Charges	665,000						665,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
88.88% Capital Value Rating	-	4,585,194	633,316	96,870	-	-	5,315,380
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	665,000	4,585,194	633,316	96,870	-	-	5,980,380

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT: TRANSFER OPERATIONS**

*Description* Operation of the transfer stations

*Benefits* Supplies a safe and environmentally sound disposal of solid waste at 3 locations convenient to the public.

*Strategic Objectives* A3, B2, C1, C3, *CCC Policy* Solid Waste Management Plan  
C4, D3, E1, E3,  
G1

*Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)**General Benefits (Section 112F(b))*

*Nature and Distribution of General Benefits*

*Direct Benefits (Section 112F(c))*

Direct benefits accrue to the users of the stations.

*Control Negative Effects (Section 112F(d))**Modifications Pursuant to Section 12**Funding of Expenditure Needs Pursuant to Section 122E(1)(c)**General Benefits**Direct Benefits*

Transfer stations shall be fully self-funding with a small surplus.

*Control Negative Effects*



RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT :    TRANSFER OPERATIONS**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-		- 0
100.00% Direct Benefits	5,913,043	-	-	-	-		5,913,043 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	5,913,043	-	-	-	-	-	5,913,043
<i>Modifications</i>							
Transfer User Costs to Rating	(1,246,325)	905,809	245,891	33,291	61,334		- CapValAll
Non-Rateable	-	46,884	12,727	1,723	(61,334)		- CapValGen
<i>Total Modifications</i>	(1,246,325)	952,693	258,618	35,015	-	-	-
Total Costs and Modifications	4,666,718	952,693	258,618	35,015	-	-	5,913,043

**Funded By**

78.92% User Charges	4,666,718						4,666,718
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
21.08% Capital Value Rating	-	952,693	258,618	35,015	-	-	1,246,325
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	4,666,718	952,693	258,618	35,015	-	-	5,913,043

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT: DISPOSAL**

**Description** Burwood land fill, land fill aftercare, hazardous waste management.

**Benefits** Provides a centralised controlled safe disposal of the city's' solid waste.

**Strategic Objectives** A3, B2, C1, C3, **CCC Policy** Solid Waste Management Plan  
C4, D3, E1, E3,  
G1

***Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)******General Benefits (Section 112F(b))***

The allocation is based on budgeted figures:  
Burwood 90% direct / 10% general,  
Aftercare 10% general, Hazardous 10% general. The net general benefit is assessed as 28%.

***Nature and Distribution of General Benefits***

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City.

***Direct Benefits (Section 112F(c))***

Direct benefits accrue to the users of the Burwood land fill.

***Control Negative Effects (Section 112F(d))******Modifications Pursuant to Section 12***

None necessary.

***Funding of Expenditure Needs Pursuant to Section 122E(1)(c)******General Benefits***

General benefits shall be funded by the surplus from user charges.

***Direct Benefits***

Users shall fund all direct benefits, plus the general benefits, plus sufficient to cover an increasing share of the costs of the waste minimisation programme.

***Control Negative Effects***

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>RESIDUE DISPOSAL - SOLID WASTE</b>

**OUTPUT : DISPOSAL**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
28.00% General Benefits	-	974,800	264,619	35,827	66,006		1,341,252 CapValAll
72.00% Direct Benefits	3,448,932	-	-	-	-		3,448,932 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	3,448,932	974,800	264,619	35,827	66,006	-	4,790,184
<i>Modifications</i>							
Transfer User Costs to Rating	534,670	(388,589)	(105,486)	(14,282)	(26,312)		- CapValAll
Non-Rateable	-	30,342	8,237	1,115	(39,694)		- CapValGen
<i>Total Modifications</i>	534,670	(358,247)	(97,250)	(13,167)	(66,006)	-	-
Total Costs and Modifications	3,983,602	616,552	167,369	22,660	-	-	4,790,184

**Funded By**

83.16% User Charges	3,983,602						3,983,602
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
16.84% Capital Value Rating	-	616,552	167,369	22,660	-	-	806,582
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	3,983,602	616,552	167,369	22,660	-	-	4,790,184

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTE MINIMISATION FEE - SOLID WASTE</b>

**OUTPUT:**            **WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVENUE**

*Description*            The tipping fees for disposal of refuse at the Council's Refuse Station and Landfill include a sum designated as a Waste Minimisation Fee.

*Benefits*                An accurate record is kept of the funds received from the Waste Minimisation Fee.

*Strategic Objectives*    A3, B2, C1, C3,            **CCC Policy**    Solid Waste Management Plan  
C4, D3, E1, E3,  
G1

*Allocation of Costs of Benefits Pursuant to Section 122E(1)(a)*

*General Benefits (Section 112F(b))*

*Nature and Distribution of General Benefits*

*Direct Benefits (Section 112F(c))*

The fee is levied on users however the purpose is to provide funds for the whole benefit of the waste collection and disposal process. The targeted outcome is sustainable waste management, and as such could be argued as General Benefits.

*Control Negative Effects (Section 112F(d))*

*Modifications Pursuant to Section 12*

Transfer user revenue based on capital value rating on properties liable for the general rate as capital value best represents stakeholder interest.

*Funding of Expenditure Needs Pursuant to Section 122E(1)(c)*

*General Benefits*

*Direct Benefits*

*Control Negative Effects*

## 9.2.funding.47

RESPONSIBLE COMMITTEE:	<b>SUSTAINABLE TRANSPORT &amp; UTILITIES COMMITTEE</b>
BUSINESS UNIT:	<b>CITY WATER AND WASTE</b>
OUTPUT CLASS:	<b>WASTE MINIMISATION FEE - SOLID WASTE</b>

**OUTPUT : WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVENUE**

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
<b>Costs and Modifications</b>							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-		- 0
100.00% Direct Benefits	100,000	-	-	-	-		100,000 TableC
0.00% Negative Effects	-	-	-	-	-		- 0
<i>Total Costs</i>	100,000	-	-	-	-	-	100,000
<i>Modifications</i>							
Transfer User Costs to Rating	11,114,000	(8,077,473)	(2,192,711)	(296,873)	(546,943)		- CapValAll
Non-Rateable	-	(418,084)	(113,493)	(15,366)	546,943		- CapValGen
<i>Total Modifications</i>	11,114,000	(8,495,557)	(2,306,204)	(312,239)	-	-	-
Total Costs and Modifications	11,214,000	(8,495,557)	(2,306,204)	(312,239)	-	-	100,000

**Funded By**

11214.00% User Charges	11,214,000						11,214,000
0.00% Grants and Subsidies		-	-	-	-		- 0
0.00% Net Corporate Revenues		-	-	-	-		- 0
- Capital Value Rating	-	(8,495,557)	(2,306,204)	(312,239)	-	-	(11,114,000)
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	11,214,000	(8,495,557)	(2,306,204)	(312,239)	-	-	100,000