

9.2.0

CITY WATER AND WASTE

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
ACTIVITY:	BUSINESS UNIT SUMMARY

Overall Objectives

Serving the Community By

- Supplying water and disposing of waste in a manner that will achieve agreed and understood levels of services that meet the customers' needs at least cost
- Complying with legislative requirements including those relating to public health
- Developing partnerships with community and business groups to achieve desired outcomes with appropriate consultation 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
- Developing partnerships with Central Government to further the goals of waste minimisation
- Mimicking and restoring natural ecosystems

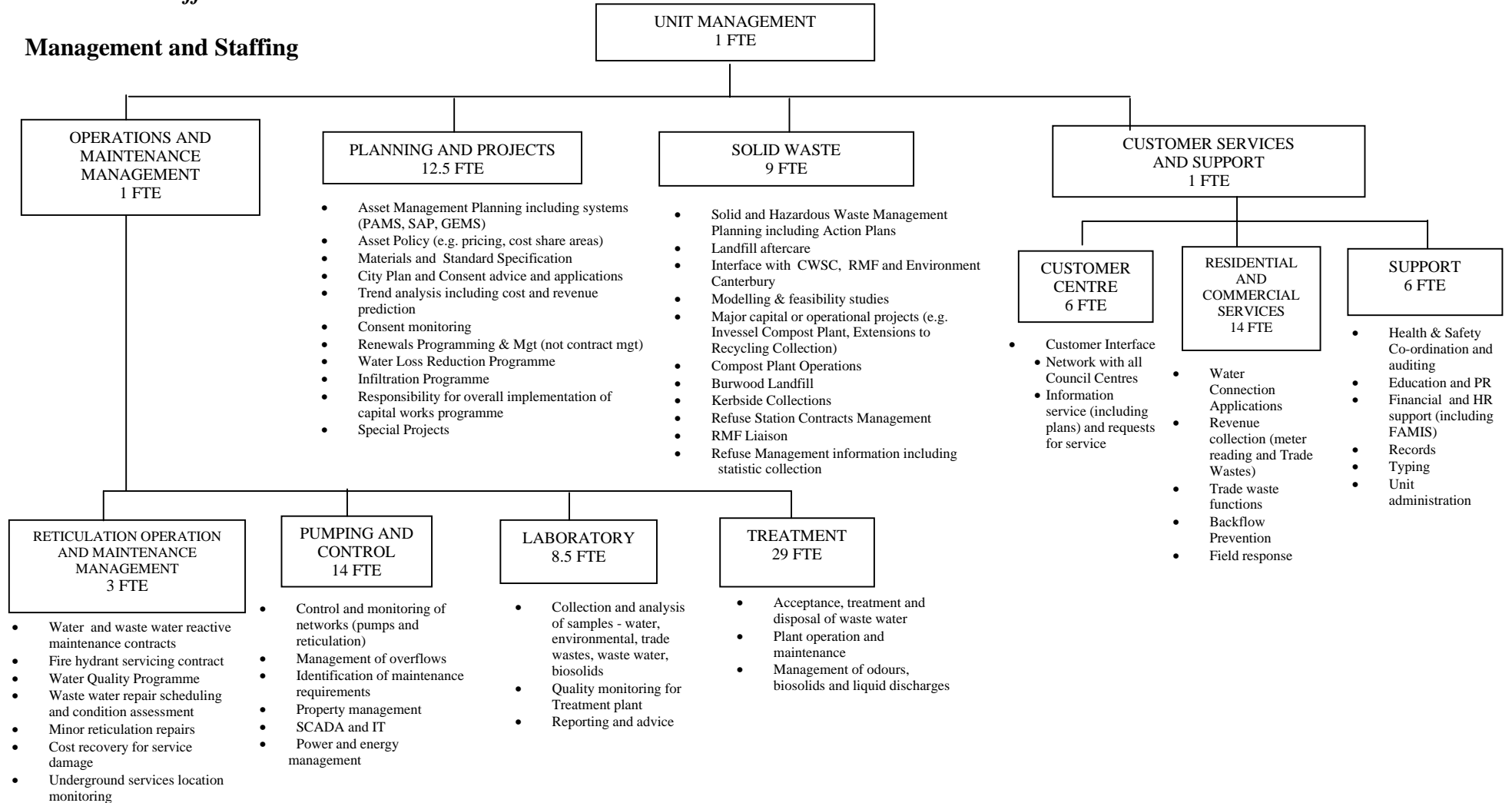
Valuing our Resources By

- Being a good employer by implementing best practice in human resources management through matters such as recruitment, remuneration, GVBV, EEO and training
- Inspiring community ownership through partnerships, consultation and education
- Using appropriate best practice to protect and restore our environment

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Resources – Staff and Fixed Assets

Management and Staffing



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Fixed Assets

Water

- 54 primary pumping stations (sites with wells that abstract water) plus 32 secondary pumping stations (many, but not all are located at reservoirs).
- 1,300km water mains
- 2,000km water submains
- 111,606 connections
- 7 principal bulk storage reservoirs plus 24 secondary reservoirs
- Instrumentation and Control System
- Total replacement value \$310m, current depreciated value \$165m at June 2000

Liquid Waste

- 80 sewer pumping stations
- 1,562km of sewer mains in public roads
- 1,180km of sewer laterals in public roads (117,036 connections)
- 22,105 manholes
- 1,600 flushtanks
- 3 treatment works
- 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
- Compost 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 \$14.6m	revenue \$2.8m	net cost \$11.8m
▪ Water Supply capital	cost \$7.0m		
▪ Liquid Waste operational	gross cost \$19.2 m	revenue \$2.4m	net cost \$16.8m
▪ Liquid Waste capital	cost \$10.3m		
▪ Solid Waste operational	gross cost \$22.2m	revenue \$18.7m	net cost \$3.5m
▪ Solid Waste capital	cost \$1.44m		

Future Projections

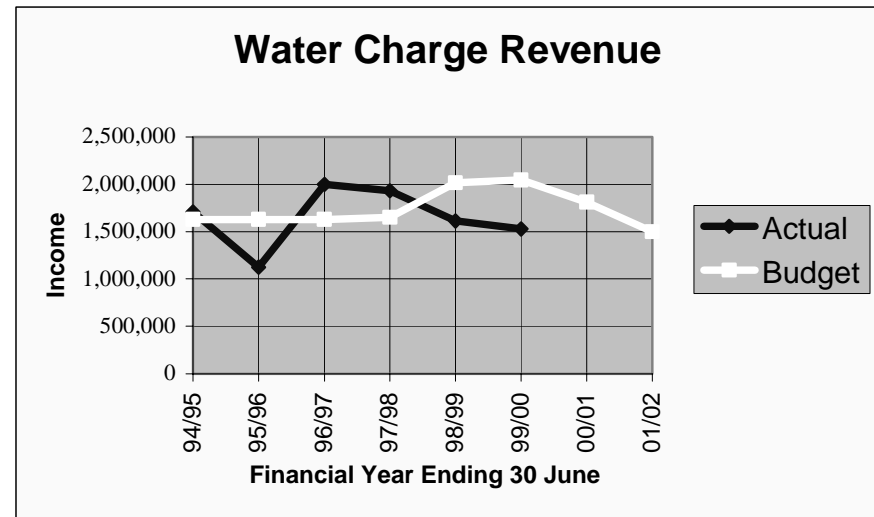
The Unit budget is based on future projections for costs and revenues. These in turn are based on best estimates of various key trends which are outlined below. If for some unforeseen reason (eg., an economic recession or upturn) trends vary from best estimates then the Unit end of year financial result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

Water

Year	Total Revenue	
1994/95	1,705,596	Actual
1995/96	1,125,725	Actual
1996/97	1,998,709	Actual
1997/98	1,932,242	Actual
1998/99	1,612,347	Actual
1999/00	1,528,474	Actual
2000/01	1,810,000	Budgeted
2001/02	1,500,000	Predicted ⁽¹⁾

Notes:

⁽¹⁾ Drop in revenue is predicted due to overestimate in previous years.

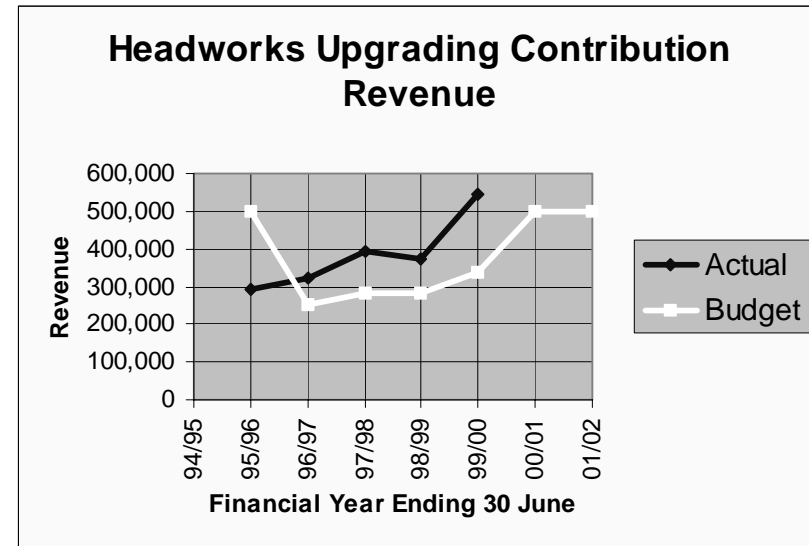


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Year	Total Revenue	
1994/95	Not commenced	Actual
1995/96	290,669	Actual
1996/97	324,247	Actual
1997/98	392,819	Actual
1998/99	373,527	Actual
1999/00	545,526	Actual
2000/01	500,000	Budgeted
2001/02	500,000	Predicted ⁽¹⁾

Notes:

⁽¹⁾ No facts are currently known that will result in a revenue change.



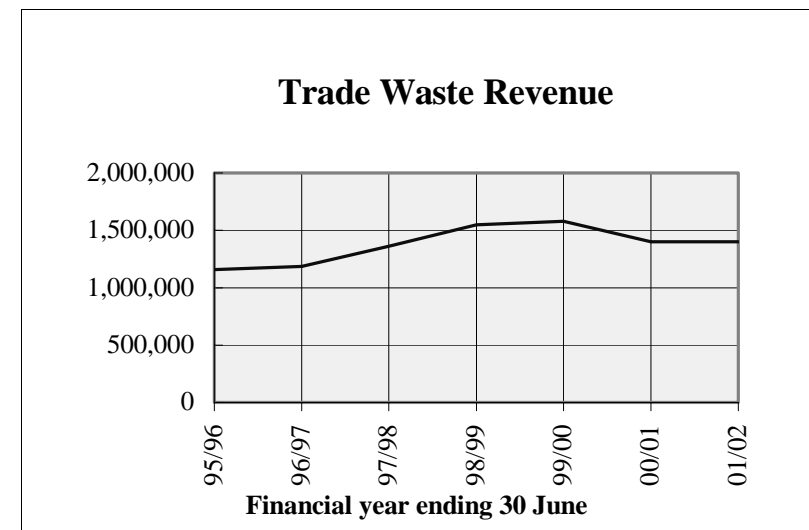
Liquid Waste

Trade Waste Revenue

Year	Total Revenue	
1995/96	1,155,000	Actual
1996/97	1,186,000	Actual
1997/98	1,361,000	Actual
1998/99	1,546,000	Actual
1999/00	1,577,663	Actual
2000/01	1,400,000	Budgeted
2001/02	1,400,000	Predicted ⁽¹⁾

Notes:

⁽¹⁾ No facts are currently known that will result in a revenue change.



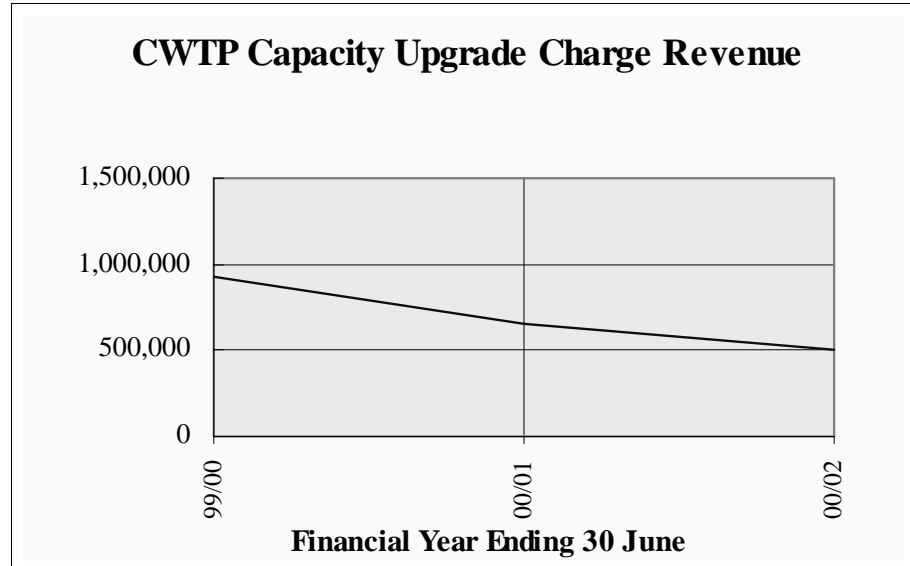
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Capacity Upgrade Charge Revenue

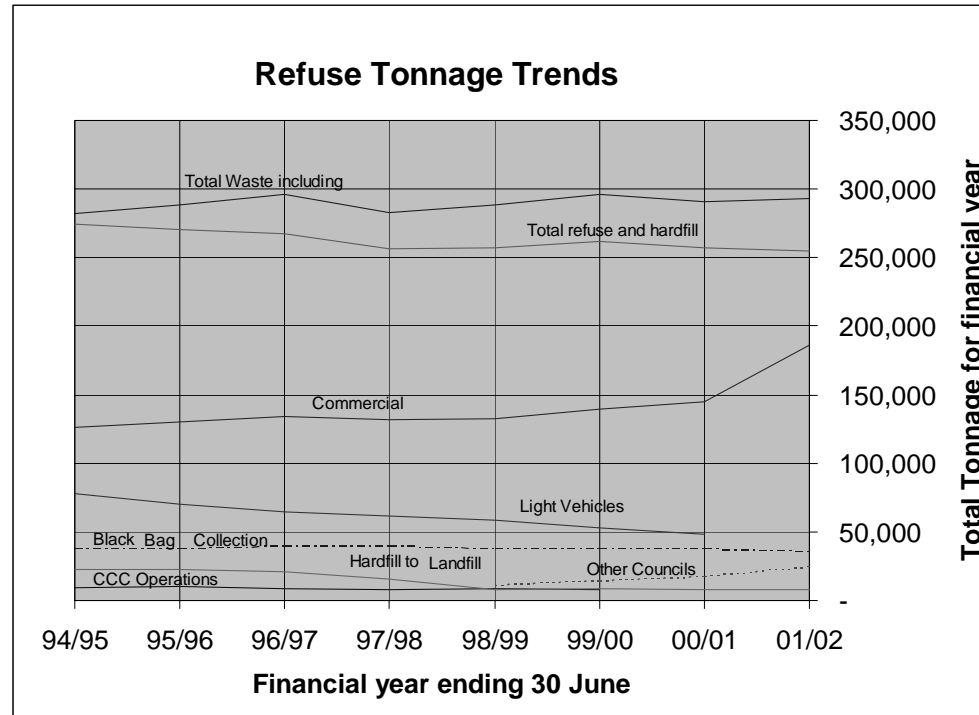
Year	Total Revenue	
1999/00	930,000	Actual
2000/01	630,000	Budgeted
2001/02	500,000	Predicted ⁽¹⁾

Notes:

⁽¹⁾ Drop in revenue is predicted due to reduced subdivisional development.



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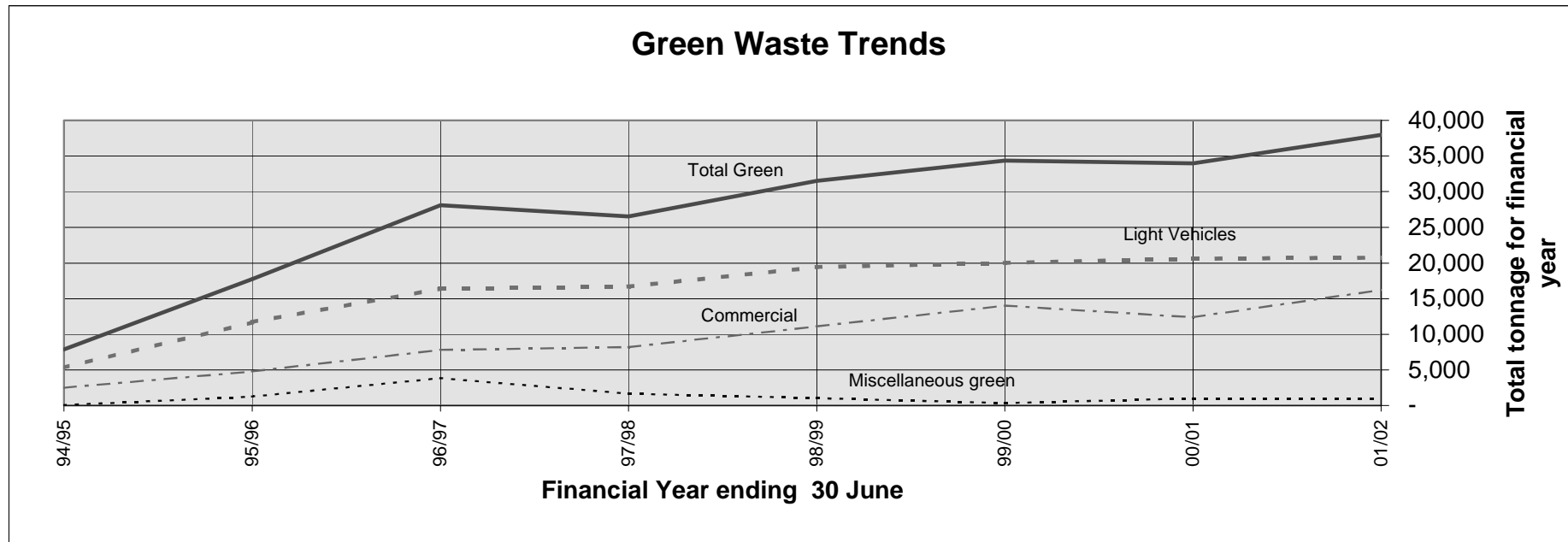
Solid Waste

Total	CCC Operations	Hardfill to landfill	Other Councils	Black Bag Collection	Light Vehicles	Commercial	Total Refuse and hardfill	Total (incl green)	
1994/95	9,729	22,303		37,856	78,063	126,289	274,240	282,107	Actual
1995/96	10,207	22,242		37,849	70,166	130,091	270,555	288,300	Actual
1996/97	8,641	21,111		39,588	64,327	134,083	267,751	295,843	Actual
1997/98	8,125	15,447		39,525	61,611	131,825	256,533	283,057	Actual
1998/99	8,847	8,085	11,814	37,869	58,203	132,224	257,041	288,576	Actual
1999/00	7,495	8,283	14,537	38,547	53,142	139,838	261,752	296,145	Actual
2000/01	-	7,500	18,000	38,300	48,100	145,000	256,900	290,915	Budgeted
2001/02	-	8,000	25,000	36,100	-	186,000	255,100	293,100	Predicted

Notes: Light vehicles includes rubble
00/01 commercial includes Christchurch City Council Operations
01/02 commercial includes Christchurch City Council Operations, private vehicles and rubble.

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Solid Waste

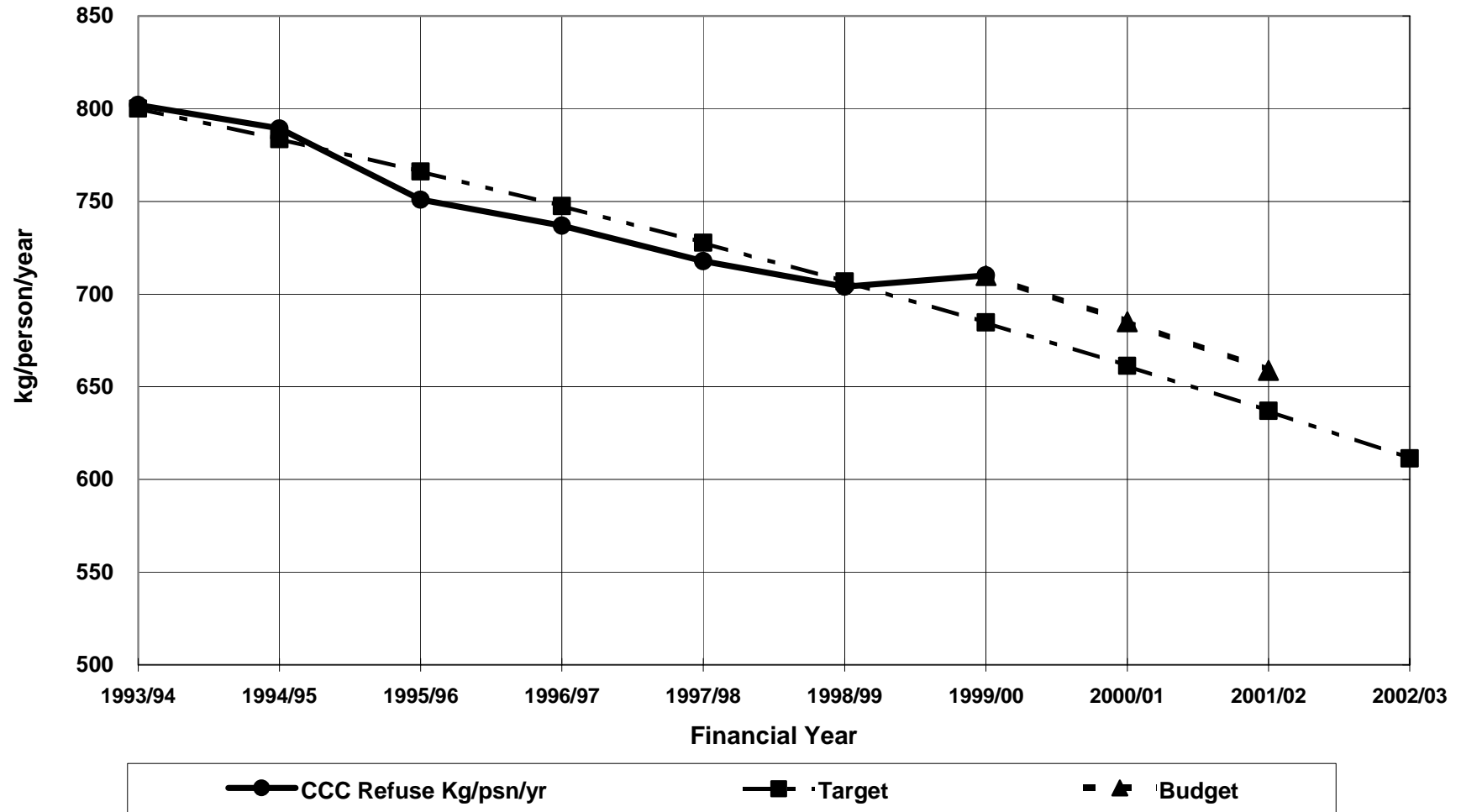


	Miscellaneous Green	Commercial Green	Light Vehicles Green	Total Green	
Total					
1994/95	63	2,513	5,291	7,867	Actual
1995/96	1,247	4,804	11,694	17,745	Actual
1996/97	3,860	7,820	16,412	28,092	Actual
1997/98	1,672	8,173	16,679	26,524	Actual
1998/99	1,025	11,099	19,411	31,535	Actual
1999/00	363	14,003	20,027	34,393	Actual
2000/01	1,000	12,400	20,615	34,015	Budgeted
2001/02	1,000	16,250	20,750	38,000	Predicted

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Solid Waste

**Waste Reduction Goal
(from Waste Management Plan)**



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Solid Waste

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

Proposed Charges (including GST)

Light Vehicles

With the introduction of trailer weighing last year, this waste stream is now included in the commercial quantities, therefore this graph line terminates at 2000/01.

Refuse:	see commercial
Hardfill:	see commercial

Commercial

This waste stream now includes commercial, City Care (previously Works Operations) and light vehicles. Thus the tonnage has increased.

Refuse:	\$73.25/t
Hardfill:	\$35.80/t

Black Bag Collection

Tonnage is increasing at about 600t per year, but the introduction of the additional kerbside recycling paper collection is predicted to result in an overall reduction in the tonnage.

Refuse:	\$73.25/t
(funded by rates)	

Christchurch City Council Operations (i.e. City Care work)

This waste stream now included under Commercial, therefore this graph line terminates at 1999/00.

Refuse:	see commercial
Hardfill:	see commercial

Other Councils

A reduction in the quantity received from Waimakariri District Council has been included to allow for the introduction of their kerbside recycling. This is offset by being the first full year of accepting all of Ashburton's waste resulting in a net increase in tonnage.

Refuse:	\$33.90/t
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Hardfill to Landfill

Last years predicted reduction appears to have been over optimistic so this has been increased slightly.

Mixed:	\$35.80/t
Sorted:	\$23.40/t

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Key Changes

Refer to Committed Costs Section.

Efficiency Gains**Water**

- Saving from City Care contract for maintenance of pumping stations (associated with staff transfer and Change Proposal) saving (185,000) *
- Saving from re-negotiated City Care contract for maintenance of water reticulation system saving (90,000) *

Liquid Waste

- Saving from City Care contract for maintenance of pumping stations (associated with staff transfer and Change Proposal) saving (300,000) *

Note: Savings from City Care sewer reticulation maintenance contract have already been included in 2000/01 budget

Solid Waste

- Saving from City Care contract for operation of Refuse Stations and Compost Plant saving (255,000)
- Operational cost saving at Burwood due to completion of gas trials, reduced depreciation and reduced professional fees saving (66,000)
- Savings in advertising costs due to sale of compost by tender (i.e. 90,000) is included in Committed Cost item (refer decrease in Compost Plant net cost) saving (90,000)

Unit Wide

- Savings relating to FTE position cancellations (associated with Change Proposal). saving (360,000) *

* **Note:** (These savings are also noted under the Budget Restructuring Section.)

New Fees**Water Supply**

- Nil

Liquid Waste

- Nil

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Solid Waste

The increases in refuse charges shown in the table below were approved by the Council in November 2000 subject to confirmation via the Annual Plan process.

Proposed Refuse Stations & Burwood Landfill Charges - (\$/tonne excl GST)

Waste Type	2000/01	2001/02	2002/03	2003/04
1. Refuse				
Basic Charge	(current) 52.44	65.10	77.75	90.40
(a) <i>Refuse Stations</i>				
• Private 100% basic	52.44	65.10	77.75	90.40
• Commercial 100% basic	"	"	"	"
(b) <i>Landfill</i>				
• Private 100% basic	52.44	65.10	77.75	90.40
• Commercial 100% basic	"	"	"	"
• Regional TLA's (Waimakariri, Ashburton, Banks Peninsula, Selwyn) See note (1)	30.13	30.13	30.13	-
2. Hardfill & Rubble – See note (2)	31.82	31.82	31.82	31.82
3. Green Waste				
(a) <i>Into Compost Plant</i>				
• Private trailers 60% of basic refuse rate. See note (3)	6.22 (fixed charge)	approx 6.22* (fixed charge)	approx 7.56* (fixed charge)	approx 8.89* (fixed charge)
• Commercial – 60% of basic refuse rate	16.89	39.06	46.65	52.24

Notes:

- (1) This is the rate the Christchurch City Council charges these TLA's to dump their refuse direct to Burwood Landfill and it covers the actual costs plus waste minimisation fees.
- (2) Hardfill and rubble charges will not be increased because these materials are forwarded on from our refuse stations to local Christchurch hardfill pits and are not at all likely to be sent to the joint venture Regional Landfill
- (3) The * figures are 7.00, 8.50, 10.00 inclusive of GST.

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General Notes:

Refuse Charges: Refuse charges will rise to around \$90.40/tonne when the new Regional Landfill opens in 2004. Rather than increase charges suddenly it is considered prudent to increase gradually over the intervening lead-up years. It will probably be argued that there is no need to increase charges in the intervening years 2001/02 and 2002/03. However these increases will produce surplus revenue which can be justified as follows:

Operating Costs:

- Costs for current waste minimisation activities that are not covered by the \$15/tonne waste minimisation fee.
- Debt servicing on Regional Landfill capital costs.
- Debt servicing on RMF project capital costs.
- Canterbury regional waste minimisation activities.
- Sustainable Christchurch triple bottom line accounting and other sustainable Christchurch initiatives.

Capital Costs

- Start-up in vessel compost plant.
- Hotrot rag and grit composter at CWTP.
- Glass crusher and plastic sorter for RMF.
- Refuse station modifications.
- Upgrade of recycling centres at refuse stations.
- Strategic land purchase adjacent to refuse stations.

Greenwaste Charges: Currently, green waste charges at refuse stations are set lower than refuse charges. This is to encourage the public to recycle green waste into compost production rather than dump it into the pit. Clearly this policy should be continued. However it is considered essential that rather than continue with the current somewhat arbitrary discount for green waste, it should be pegged at 60% of the refuse charge for the following reasons

- This figure is considered to strike a good balance between generation of sufficient revenue to assist covering costs on the one hand and on the other the need to offer a discount incentive sufficient to encourage recycling of green waste.
- Such an increase is especially desirable for the time when per tonnage production costs of compost increase with the commissioning of the start-up in-vessel composting plant (expected to increase from current gross cost of \$52/tonne to gross \$90/tonne).
- An increase is needed for commercial users to bring their current charge of \$16.89/tonne into line with domestic charges which at the current \$6.22 per trailer equates to around \$40.00 a tonne. (Note here that both domestic and commercial tippers should be paying equivalent cost as was strongly argued by commercial users in the 1999/00 budget submission process and which led to the introduction of payment by weight for domestic refuse tippers).

Waste Minimisation Fee: The fifth \$3/tonne waste minimisation fee increase for waste to landfill was to be introduced in 2001/02, but the proposed fee structures above supersede this earlier initiative.

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Committed Costs - Operating

These costs increase or lower the Unit's 2001/02 budget compared with the previous year.

Water Supply

• Water Quality Assurance for new Ministry of Health requirements that became effective 1 January 2000	20,000
• Water Sales. Reduced budgeted income to reflect past discrepancies	315,000
• LAPP Insurance	36,600
An error has been picked up in the manner in which the Council's total LAPP Insurance was allocated in the past. Some of Waterways and Wetlands were charged to Wastewater and some of Water Supply's to Waterways and Wetlands. This has been corrected, and while there are overall LAPP increases for Council, much of this specific to Water Supply Increase is compensated by decreases which will occur in other activity budgets.	
• Depreciation reduction due to increase in LRARA calculation period from 30 to 50 years,	saving (869,000)
• Debt servicing decrease due to corporate adjustments	saving (93,000)
• Asset write-back due to early replacements	750,000
• Rates on infrastructural assets	595,505
• Increased cost back-flow prevention	<u>40,000</u>
	Sub total
	796,105

Liquid Waste

• Unforeseen trunk main cleaning costs due to sedimentation from low flow velocity identified from AWT study	50,000
• Increase in bio-solids to forests costs due to unforeseen technical difficulties related to bio-solids moisture content	192,000
• Christchurch Wastewater Treatment Plant cost increases due to upgrade work	50,000
• Templeton WTP decommissioning costs	45,000
• Depreciation due to increase in write off period from 30 to 50 years,	saving (109,000)
• Debt servicing decrease due to corporate adjustments	saving (96,000)
• Asset write-back due to early replacement	440,000
• Rates on infrastructural assets	1,267,976
• Resource Consent Monitoring CWTP	100,000
• Decrease in energy sales CWTP	60,000
• Geodata Costs transferred from Operational to Capital	saving (253,000)
• Decrease in Pumping Station Revenue	90,000
• Decrease in CWTP Capacity Upgrade Revenue	<u>150,000</u>
	Sub total
	1,986,976

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Solid Waste (excludes efficiency gains and growth effects noted elsewhere)

▪ Increase in contractual kerbside recycling collection costs from CPI adjustments	112,000
▪ Recovered Materials Foundation increased costs due to increased quantities of recyclables to be processed	35,000
▪ Decrease in compost plant net cost	saving (112,000)
▪ Reduction in Hazardous Waste operational costs	saving (43,000)
▪ Funding for Regional Landfill host support fund and community participation fund previously funded as capital	96,000
▪ Reduction in future planning costs	saving (35,000)
▪ Net effect of decreased tonnage and increased tipping fees	saving <u>(1,907,000)</u>
	Sub total 1,442,000

Unit

▪ Restructuring savings as per Change Proposal (refer later section)	saving <u>(845,000)</u>
	Total 3,380,081

Items Committed by Council during the 2000/01 year (Operating)

Water Supply

- Nil

Liquid Waste

- Nil

Solid Waste

- Increase in refuse fees, net effect increase in revenue and reduction in operating costs plus establishment of Waste Minimisation and Sustainability Fund – refer New Fees section and Committed Costs (Solid Waste) section but note \$1.9M saving includes effect of increased tonnage (i.e. not simply effect of fee increase).

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Increased Costs Due to Increased Demand

Water Supply

- See Committed Costs

Liquid Waste

- See Committed Costs

Solid Waste

- Kerbside recycling collection, city growth and increasing popularity of service 75,000

New Capital Initiatives

Water Supply

- See later section, Capital Smoothing, Substitutions, New Initiatives, Project Increases

Liquid Waste

- See later section, Capital Smoothing, Substitutions, New Initiatives, Project Increases

Solid Waste

- See later section, Capital Smoothing, Substitutions, New Initiatives, Project Increases

New Operating Initiatives

Water

- Strategic water study for Canterbury region. This is the Council's share of a \$200,000 study of Canterbury's water resources sponsored by Central Government (100,000), ECAN (50,000), Department of Conservation/ Fish & Game/ Ngai Tahu (10,000) and the ten Canterbury Territorial Authorities (40,000). The study will be carried out by consultants. 15,000

Liquid Waste

- Nil

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Solid Waste

- Funding for Regional Waste Minimisation Initiative funded from increase in refuse charges accumulated over years 2001/02, 2002/03, 2003/04. 50,000

Capital Project Smoothing, Substitutions, New Initiatives, Project Increases > 2%**Water*****Increases***

The following items are listed as they exceed provisions in the current capital programme, however changes in other items have contributed to keep the total capital works in the draft budget to less than the programme.

Headworks Renewals and Replacements: Electrical Replacement

- The Grassmere pump station is due to have its electrical switchboard replaced within the \$20,000 allocated for electrical replacements. The mains cable into the station will also require replacement at this station, requiring an additional \$10,000. 10,000

Headworks Renewals and Replacements: Control and Indication

- Additional spending is sought in this area for additional SCADA (medcon) replacements and flow meters. 10,000

Headworks Renewals and Replacements: Riccarton Pump Station and Diesel replacement

- The total estimate for the Riccarton Pump Station has been increased from \$840,000 to \$1,100,000. The location of the station (which has now been finalised) makes a diesel, suction tank, variable speed pump drive and significant architectural input advisable, not all of which were unexpected if the station was situated elsewhere. The Pump Station now includes \$102,000 for the replacement diesel that was separate line item in the 2000/01 budget. 158,000

Unallocated Equipment Replacements

- Current work in condition assessment is revealing some additional work that will have benefits in terms of reliability and operating costs. It is therefore proposed to increase this Item to 40,000 to 50,000. 10,000

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Asset Improvements: Energy efficiency measures

- This item is part of \$250,000 project to optimise the water supply control system to achieve minimum operational costs and considerable automation of system control. This item is additional to the \$30,000 included in the budget and \$75,000 already provided in the 2000/01 year. It is anticipated the remaining cost will be covered by funding from the Council's Energy Efficiency Projects Fund 70,000
- Reduced spending on new mains saving (105,500)

New Assets, Headworks: Mount Pleasant Development

- A ten year improvement programme (funded by contributions from developers) began in 1998. Development in the lower part of the scheme has been proceeding according to schedule, but there is also pressure from developers to complete the higher stage as soon as possible. The estimates, years three and beyond have been reduced by the same amount 135,000

Substitutions in 2000/2001 year

Some relatively minor works have become necessary. We have now included these in Capital Works Programme. These works could be offset by reduced spending on replacement mains in the 2001/02 year (refer 'proposed works no longer required' below).

Headworks Renewals: Fuel tank replacement

- A replacement fuel tank is required as part of an ongoing programme to remove underground tanks 17,500

Asset Improvements: Chlorine Injection Pump

- This item is required to replace a basic, old unit for the purpose of disinfecting mains after construction or repair work 18,000

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Liquid Waste

The following changes have been made to the 10 year Capital Works Programme.

Item	Year 1 2001/02	Year 2 2002/03	Year 3 2003/04	Year 4 2004/05	Year 5 2005/06	Year 6 2006/07	Year 7 2007/08	Year 8 2008/09	Year 9 2009/10	Year 10 2010/11
Renewal & Replacement - Infrastructural Assets										
Prof. Services - Contract Supervision (previously ops)	43,900	43,900	43,900	43,900	43,900	43,900	43,900	43,900	43,900	43,900
Prof. Services - Data Collection (previously ops)	53,400	53,400	53,400	53,400	53,400	53,400	53,400	53,400	53,400	53,400
Flow Monitoring (1)	-409,200	409,200								
D Panel Replacement	-76,500		76,500							
North Gallery Rewire	-20,400		20,400							
Renewal & Replacement - Fixed Assets										
Autoclave	-30,000		30,000							
Gas Chromotograph				40,000						
AAS/ICP (atomic spectrometer)							180,000			
UV/VIS Spectrometer (atomic spectrometer)	20,000									
Kjeldahl Digester (nitrogen measurement)								35,000	-35,000	
Microscope					-30,000				30,000	
Scada System (2)		-193,800	-275,400	-275,400				-10,200	275,400	275,400
Filter Bearings				50,000	50,000					
Airdryer							6,120			
Sed Tank Mechanical Equipment (3)	-183,000									
Brick Building Repairs	-15,300		15,300							
Asset Improvements - Infrastructural Assets										
Prof. Services - Contract Supervision (previously ops)	12,030	12,030	12,030	12,030	12,030	12,030	12,030	12,030	12,030	12,030
Prof. Services - Data Collection (previously ops)	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300
Pump Stn 20 Major Upgrade (4)	-379,400	379,400								
Pump Stn 11 Major Upgrade (4)		-484,500	484,500							
CWTP - Stage 2B Discharge Consent Investigation (5)	100,000	100,000	100,000	100,000						
Planning and Design – Green Edge	50,000	50,000	50,000	50,000	-200,000					

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	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Item	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
New Assets - Infrastructural Assets										
Ex Prof. Services - Contract Supervision (previously ops)	117,600	117,600	117,600	117,600	117,600	117,600	117,600	117,600	117,600	117,600
Ex Prof. Services - Data Collection (previously ops)	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300
Subdivision Sewer Cost Share Contributions (6)	49,000	49,000	49,000	49,000	49,000	49,000	49,000	49,000	49,000	
Composting Rag & Grit (7)	150,000									
Annual Difference from 2000/01 Budget	-588,570	465,530	706,530	169,830	25,230	205,230	391,350	230,030	475,630	431,630
Cumulative Difference from 2000/01 Budget	-588,570	-123,040	583,490	753,320	778,550	983,780	1,375,130	1,605,160	2,080,790	2,512,420

Notes:

- (1) This project is running slower than anticipated
- (2) Existing SCADA equipment expected to last longer than originally anticipated
- (3) Saving due to efficiencies from plant upgrade design
- (4) Deferred pending final AWT study report
- (5) Currently 150,000 is budgeted in each of years 2001/02 to 2004/05 (i.e. 600,000 total). It is considered that this should be increased by 100,000 per year (i.e. an additional 400,000) for research into Sustainable Green Edge and wetland wastewater solutions.
- (6) The existing 51,000 has proved insufficient and needs to be increased to 100,000 total in each year due to the current increase in subdivisions work
- (7) It is anticipated the Current "Hot Rot" composting trial will be successful. This capital is proposed to fund a larger scale start-up installation.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
ACTIVITY	BUSINESS UNIT SUMMARY

Solid Waste

The following changes have been made to the 10 year capital works programme (included in draft budget except where noted otherwise).

	Year 1	2	3	4	5	6	7	8	9	10
Item	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/06	2008/09	2009/10	2010/11
Adjustment to Regional Landfill spending programme	125,000									
Deduction of compost plant operating area expansion (completed 00/01)	-125,000									
Regional Landfill Community Fund re-allocated to operational spending	-76,500									
Additional Recovered Materials Foundation capital works (1)	248,000	98,000								
Adjustments to unspecified new assets		-220,000	-220,000							
Start-up in-vessel compost plant (2)	100,000	2,600,000	2,600,000	500,000						
Adjustment to unspecified asset improvements			-70,000							
Adjustment to unspecified renewals and replacements			-70,000							
Land purchase adjacent to Refuse Stations (3)	500,000	500,000	500,000							
Difference from 2000/01 budget	271,500	378,000	2,240,000	2,100,000						
Cumulative Difference (2)	271,500	649,500	2,889,500	4,989,500	5,489,500	5,489,500	5,489,500	5,489,500	5,489,500	5,489,500

Notes:

- (1) This additional funding is for upgrading the glass crusher and for new equipment for sorting mixed plastics.
- (2) It is proposed that this budget increase is funded from the increase in refuse charges accumulated over years 2001/02, 2002/03, 2003/04, refer to foregoing New Fees section. This funding for a start-up compost plant was approved by the Council in August 2000.
- (3) It is almost certain that more space will be required on at least two existing refuse stations as the level of waste minimisation activities increases. Strategic land purchases are considered essential to future proof for such requirements.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
ACTIVITY	BUSINESS UNIT SUMMARY

Capital Cost Increases >2% Committed by Council during the year

Water Supply

- Nil

Liquid Waste

- Nil

Solid Waste

- Start-up-in-vessel compost plant, net effect increase in 10 year capital budget of \$5.8m – refer Capital Project Smoothing, Substitutions, New Initiatives, Project Increases section.

Budget Restructuring and Change Proposal

Change Proposal

- Budget restructuring from the Change Proposal involves the combining of the water supply, liquid waste and solid waste budgets.
- Savings that occur from the Change Proposal are as follows:

- Transfer of maintenance work from Water Supply to City Care	saving (185,000)
- Transfer of maintenance work from Liquid Waste to City Care (for pumping stations)	saving (300,000)
- Cancellation of FTE staff (3 trade waste, 3 customer services, 2 business support)	<u>saving (360,000)</u>
Total	<u>saving (845,000)</u>

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
ACTIVITY	BUSINESS UNIT SUMMARY

Funding Policy Review

- Restructuring as a result of the Funding Policy Review is as follows:

2000/01 (present structure)

CONSENTS & APPLICATIONS

Resource Consents

By-Laws

PIMS/LIMS

PLANNING

City Plans

Regional Plans

Regional Policy

Advanced Planning

INFORMATION & ADVICE

GIS Information

Information Requests

2001/02 (new structure)

PLANNING

City Plans

Regional Plans

Regional Policy

Advanced Planning

INFORMATION & ADVICE

GIS Information

Information Requests

Resource Consents

By-Laws

LIMS/LIMS

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	BUSINESS UNIT SUMMARY

NET COST SUMMARY		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
WATER SUPPLY			
INFORMATION AND ADVICE	Page 9.2.7	757,563	594,145
CONSENTS AND APPLICATIONS	Page 9.2.10	(426,639)	(458,756)
PLANS AND POLICY STATEMENTS	Page 9.2.13	477,592	561,649
SUPPLY OF WATER	Page 9.2.15	9,481,680	10,441,905
		-----	-----
		10,290,195	11,138,943
LIQUID WASTE			
COLLECTION	Page 9.2.25	8,530,639	9,152,873
TREATMENT AND DISPOSAL	Page 9.2.31	4,900,624	5,529,448
PLANNING	Page 9.2.36	293,958	226,938
INFORMATION AND ADVICE	Page 9.2.37	220,182	139,615
		-----	-----
		13,945,403	15,048,873
SOLID WASTE			
WASTE REDUCTION	Page 9.2.44	411,400	556,755
REUSE	Page 9.2.45	271,893	169,221
RECYCLING	Page 9.2.47	3,644,711	3,775,269
RESOURCE RECOVERY	Page 9.2.50	655,882	607,181
RESIDUE DISPOSAL	Page 9.2.52	4,787,940	5,339,834
PLANS AND POLICY STATEMENTS	Page 9.2.59	262,570	373,912
WASTE MINIMISATION REVENUE	Page 9.2.61	(4,666,480)	(7,243,600)
		-----	-----
		5,367,917	3,578,571
TOTAL NET COST		-----	-----
		29,603,515	29,766,387
COST OF CAPITAL EMPLOYED		=====	=====
		27,781,736	32,403,335
CAPITAL OUTPUTS			
INFRASTRUCTURAL ASSETS	Page 9.2.62	18,105,468	16,842,187
FIXED ASSETS	Page 9.2.62	3,878,415	2,716,948
		-----	-----
		21,983,883	19,559,135
		=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	BUSINESS UNIT SUMMARY

OUTPUT CLASS EXPENDITURE		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
WATER SUPPLY			
INFORMATION AND ADVICE	Page 9.2.7	757,563	594,145
CONSENTS AND APPLICATIONS	Page 9.2.10	210,861	161,244
PLANS AND POLICY STATEMENTS	Page 9.2.13	477,592	561,649
SUPPLY OF WATER	Page 9.2.15	12,002,180	12,655,905
		-----	-----
		13,448,195	13,972,943
LIQUID WASTE			
COLLECTION	Page 9.2.25	9,064,217	9,662,747
TREATMENT AND DISPOSAL	Page 9.2.31	7,051,224	7,464,048
PLANNING	Page 9.2.36	323,958	226,938
INFORMATION AND ADVICE	Page 9.2.37	380,182	159,615
		-----	-----
		16,819,581	17,513,347
SOLID WASTE			
WASTE REDUCTION	Page 9.2.44	411,500	556,855
REUSE	Page 9.2.45	271,893	169,221
RECYCLING	Page 9.2.47	4,158,511	4,272,769
RESOURCE RECOVERY	Page 9.2.50	2,487,079	1,961,737
RESIDUE DISPOSAL	Page 9.2.52	14,358,252	13,977,187
PLANS AND POLICY STATEMENTS	Page 9.2.59	262,570	373,912
WASTE MINIMISATION REVENUE	Page 9.2.61	0	50,000
		-----	-----
		21,949,806	21,361,680
		-----	-----
TOTAL COST		52,217,581	52,847,970
		=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	BUSINESS UNIT SUMMARY

OUTPUT CLASS REVENUE		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
WATER SUPPLY			
INFORMATION AND ADVICE	Page 9.2.7	0	0
CONSENTS AND APPLICATIONS	Page 9.2.10	637,500	620,000
PLANS AND POLICY STATEMENTS	Page 9.2.13	0	0
SUPPLY OF WATER	Page 9.2.15	2,520,500	2,214,000
		-----	-----
		3,158,000	2,834,000
LIQUID WASTE			
COLLECTION	Page 9.2.25	533,578	509,874
TREATMENT AND DISPOSAL	Page 9.2.31	2,150,600	1,934,600
PLANNING	Page 9.2.36	30,000	0
INFORMATION AND ADVICE	Page 9.2.37	160,000	20,000
		-----	-----
		2,874,178	2,464,474
SOLID WASTE			
WASTE REDUCTION	Page 9.2.44	100	100
REUSE	Page 9.2.45	0	0
RECYCLING	Page 9.2.47	513,800	497,500
RESOURCE RECOVERY	Page 9.2.50	1,831,197	1,354,556
RESIDUE DISPOSAL	Page 9.2.52	9,570,312	8,637,353
PLANS AND POLICY STATEMENTS	Page 9.2.59	0	0
WASTE MINIMISATION REVENUE	Page 9.2.61	4,666,480	7,293,600
		-----	-----
		16,581,889	17,783,109
TOTAL REVENUE		-----	-----
		22,614,067	23,081,583
NET COST		-----	-----
		29,603,515	29,766,387
		=====	=====

Note: the provision in the 2001/2002 budget for the transfer to the Burwood Landfill Stage 2C aftercare special fund is \$745500 (refer Page 9.2.5

9.2.text.4

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	OUTPUT SUMMARY

NET COST SUMMARY – WATER SUPPLY

For Water Supply Summary refer pages 9.2.4, 9.2.5 and 9.2.6.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	OUTPUT SUMMARY

NET COST SUMMARY - WATER SUPPLY		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
INFORMATION AND ADVICE - WATER SUPPLY			
Information Requests- Internal	Page 9.2.7	132,976	72,984
Information Requests - External	Page 9.2.7	412,749	282,882
Education Programme	Page 9.2.8	194,231	201,827
Democratic Processes	Page 9.2.9	17,607	36,452
		<hr/>	<hr/>
		757,563	594,145
CONSENTS AND APPLICATIONS - WATER SUPPLY			
Resource Consents Internal	Page 9.2.10	179,783	105,448
Resource Consents External	Page 9.2.10	4,192	6,441
Bylaws	Page 9.2.11	22,429	37,108
Water Applications	Page 9.2.11	-637,500	-620,000
LIMS/PIMS	Page 9.2.12	4,457	12,247
		<hr/>	<hr/>
		-426,639	-458,756
PLANS AND POLICY STATEMENTS - WATER SUPPLY			
Advance Water Services Planning	Page 9.2.13	452,439	522,593
City Plan	Page 9.2.14	8,384	13,019
Regional Plan	Page 9.2.14	16,769	26,037
		<hr/>	<hr/>
		477,592	561,649
SUPPLY OF WATER			
Headworks	Page 9.2.16	4,472,680	4,789,578
Reticulation	Page 9.2.17	6,639,950	6,031,300
Quality Assurance	Page 9.2.18	117,321	166,288
Water Sales	Page 9.2.19	-1,197,271	-597,765
Capital Assets External Revenue	Page 9.2.20	-551,000	-544,000
Rates - Infrastructural Assets	Page 9.2.20	0	596,505
		<hr/>	<hr/>
		9,481,680	10,441,905
NET COST		<hr/>	<hr/>
		10,290,195	11,138,943

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	OUTPUT SUMMARY

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
OUTPUT CLASS EXPENDITURE - WATER SUPPLY			
INFORMATION AND ADVICE - WATER SUPPLY			
Information Requests- Internal	Page 9.2.7	132,976	72,984
Information Requests - External	Page 9.2.7	412,749	282,882
Education Programme	Page 9.2.8	194,231	201,827
Democratic Processes	Page 9.2.9	17,607	36,452
		<hr/>	<hr/>
		757,563	594,145
CONSENTS AND APPLICATIONS - WATER SUPPLY			
Resource Consents Internal	Page 9.2.10	179,783	105,448
Resource Consents External	Page 9.2.10	4,192	6,441
Bylaws	Page 9.2.11	22,429	37,108
Water Applications	Page 9.2.11	0	0
LIMS/PIMS	Page 9.2.12	4,457	12,247
		<hr/>	<hr/>
		210,861	161,244
PLANS AND POLICY STATEMENTS - WATER SUPPLY			
Advance Water Services Planning	Page 9.2.13	452,439	522,593
City Plan	Page 9.2.14	8,384	13,019
Regional Plan	Page 9.2.14	16,769	26,037
		<hr/>	<hr/>
		477,592	561,649
SUPPLY OF WATER			
Headworks	Page 9.2.16	4,472,680	4,789,578
Reticulation	Page 9.2.17	6,726,450	6,133,300
Quality Assurance	Page 9.2.18	117,321	166,288
Water Sales	Page 9.2.19	685,729	970,235
Capital Assets External Revenue	Page 9.2.20	0	0
Rates - Infrastructural Assets	Page 9.2.20	0	596,505
		<hr/>	<hr/>
		12,002,180	12,655,905
TOTAL EXPENDITURE - WATER SUPPLY		<hr/>	<hr/>
		13,448,195	13,972,943

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	OUTPUT SUMMARY

OUTPUT CLASS RECOVERIES & REVENUES - WATER SUPPLY		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
INFORMATION AND ADVICE - WATER SUPPLY			
Information Request - Internal	Page 9.2.7	0	0
Information Request - External	Page 9.2.7	0	0
Education Programme	Page 9.2.8	0	0
Democratic Processes	Page 9.2.9	0	0
		<hr/>	<hr/>
		0	0
CONSENTS AND APPLICATIONS - WATER SUPPLY			
Resource Consents - Internal	Page 9.2.10	0	0
Bylaws	Page 9.2.11	0	0
Water Applications	Page 9.2.11	637,500	620,000
LIMS/PIMS	Page 9.2.12	0	0
		<hr/>	<hr/>
		637,500	620,000
PLANS AND POLICY STATEMENTS - WATER SUPPLY			
Regional Plan	Page 9.2.14	0	0
		<hr/>	<hr/>
		0	0
SUPPLY OF WATER			
Headworks	Page 9.2.16	0	0
Reticulation	Page 9.2.17	86,500	102,000
Quality Assurance	Page 9.2.18	0	0
Water Sales	Page 9.2.19	1,883,000	1,568,000
Capital Assets External Revenue	Page 9.2.20	551,000	544,000
		<hr/>	<hr/>
		2,520,500	2,214,000
TOTAL RECOVERIES & REVENUE - WATER SUPPLY		<hr/>	<hr/>
		3,158,000	2,834,000
TOTAL NET EXPENDITURE - WATER SUPPLY		<hr/>	<hr/>
		10,290,195	11,138,943

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUTS:

- **INFORMATION REQUESTS – INTERNAL (CCC)**
- **INFORMATION REQUESTS – EXTERNAL**
- **EDUCATION PROGRAMME**

Description

An extensive information system (both plan and text records) is maintained for water supply, and information is supplied on demand to Council staff and the public. Most of these activities are undertaken by the Customer Services section, with detailed technical input coming from operational and planning staff as required. Enquiries include water supply and liquid. Demands from the public are intense, with in excess of 100 enquires, requests and interactions occurring every day. City Water and Waste Information is provided to raise awareness of the need for efficient use of water and enhancement and sustainable use of the waterways and wetlands environment.

Objectives for 2001/02

1. To respond to requests for plan and faxed information and advice on water supply in an efficient, friendly and helpful manner.
2. To respond to customer enquiries concerning water supply problems. Where appropriate, carry out site inspections/investigations and advise on an appropriate course of action and responsibility.
3. To advance the Unit's water conservation public awareness and education programmes.
4. To ensure that all reactive maintenance matters reported to the City Water and Waste Unit and which impact on the efficiency of the Council's water supply system are responded to expeditiously.
5. To increase current resolution rates for requests for information and service to meet corporate standards by maximising the scope and depth of requests handled by the Customer Centre.
6. To align levels of service and hours of operation to better meet customer needs.
7. To strengthen relationships between centre staff, unit specialists and our customers and streamline the processes.

9.2.7

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
OUTPUT : INFORMATION REQUESTS - INTERNAL (CCC)				
DIRECT COSTS				
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(1.82)%	0.59%	132,976	72,984
TOTAL COST - INFORMATION REQUESTS INTERNAL			----- 132,976	----- 72,984
REVENUE				
Internal Recoveries				
NET COST - INFORMATION REQUESTS INTERNAL			----- 132,976	----- 72,984
OUTPUT : INFORMATION REQUESTS - EXTERNAL				
DIRECT COSTS				
ALLOCATED COSTS				
Waste Management - Seepage Monitoring			4,864	0
Transfer from Allocated Holding Accounts	(5.59)%	2.27%	407,884	282,882
TOTAL COST - INFORMATION REQUESTS EXTERNAL			----- 412,749	----- 282,882
REVENUE				
Internal Recoveries				
NET COST - INFORMATION AND ADVICE - EXTERNAL			----- 412,749	----- 282,882

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT: INFORMATION REQUESTS- INTERNAL

Description Provide information within the organisation as requested.

Benefits Information on the water supply infrastructure is provided to those within the organisation. This service helps to avoid damage to the network.

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

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

General Benefits (Section 112F(b))

The protection of the resource is seen to benefit all the using community, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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 water rates. The serviced area is charged water rates and is virtually all of the 'built' area of the city. Outside of that area the occupiers are responsible for their own water supply.

Direct Benefits (Section 112F(c))

Recipients are the direct beneficiaries.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

It is Council policy to fund water supply from capital value rating. The costs of direct benefits shall therefore be allocated to ratepaying sectors on the basis of the relative capital values for properties in the serviced area.

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 water rate.

Control Negative Effects

9.2.funding.7

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT : INFORMATION REQUESTS- INTERNAL

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	11,082	2,673	106	736		14,597 CapValWater
80.00% Direct Benefits	58,387	-	-	-	-		58,387 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	58,387	11,082	2,673	106	736	-	72,984
<i>Modifications</i>							
Transfer User Costs to Rating	(58,387)	44,328	10,693	424	2,942		0 CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(58,387)	44,328	10,693	424	2,942	-	0
Total Costs and Modifications	-	55,410	13,366	530	3,678	-	72,984

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	55,410	13,366	530	3,678	-	72,984
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	55,410	13,366	530	3,678	-	72,984

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT: INFORMATION REQUESTS - EXTERNAL

Description Provide information to the public on an as-requested basis for such things as water quality concerns, leaks, locations and connections.

Benefits Quality and integrity of the system is maintained, damage to the network is avoided, and the efficient use of water is encouraged.

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))**

The protection of the resource is seen to benefit all the using community, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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 water rates. The serviced area is charged water rates and is virtually all of the 'built' area of the city. Outside of that area the occupiers are responsible for their own water supply.

Direct Benefits (Section 112F(c))

The benefits apply to those seeking information particularly those on the network of supplied properties.

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

It is Council policy to fund water supply from capital value rating. The costs of direct benefits shall therefore be allocated to ratepaying sectors on the basis of the relative capital values for properties in the serviced area.

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

Direct benefits shall be funded by capital value rating on properties liable for the water rate.

Control Negative Effects

9.2.funding.7

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT : INFORMATION REQUESTS - EXTERNAL

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	42,954	10,361	411	2,851		56,576 CapValWater
80.00% Direct Benefits	226,306	-	-	-	-		226,306 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	226,306	42,954	10,361	411	2,851	-	282,882
<i>Modifications</i>							
Transfer User Costs to Rating	(226,306)	171,815	41,444	1,643	11,404		- CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(226,306)	171,815	41,444	1,643	11,404	-	-
Total Costs and Modifications	-	214,769	51,805	2,053	14,255	-	282,882

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	214,769	51,805	2,053	14,255	-	282,882
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	214,769	51,805	2,053	14,255	-	282,882

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUTS: (CONTD)

- **INFORMATION REQUESTS – INTERNAL (CCC)**
- **INFORMATION REQUESTS – EXTERNAL**
- **EDUCATION PROGRAMME**

Performance Indicators

1. That 99% of all requests for record plan information and individual faxed requests are replied to within four working hours of receipt subject to staff resources being available. (1999/00: Achieved).
2. That initial contact with customers on enquiries relating to the public water supply be made within three working days and, if further action is required, investigation commenced within 10 working days. (1999/00: Achieved).
3. That a report to the Unit Manager on the education and water conservation awareness programmes to be implemented during 2000/01 be prepared by 31 August 2001. (1999/00: Achieved).
4. That all reactive maintenance matters are recorded, prioritised and entered into the Maintenance Contract Database, and dispatched to maintenance contractor immediately following receipt of the initial report. (1999/00: Achieved).
- 5.1 Customer Services Representatives resolve 80% of requests for information and service at first point of contact.
- 5.2 95% of calls to the Centre are answered. (New KPI so no previous direct comparison).
- 5.3 80% of all calls are answered within 20 seconds. (New KPI so no previous direct comparison).
6. The Centre undertakes a six-monthly customer research programme to determine customer needs and satisfaction with the service and implements customer driven changes to the service and implements customer driven changes to the service within current resources. (New KPI so no previous direct comparison).
- 7.1 Service level performance agreements between the Customer Centre and Unit teams are met. (New KPI so no previous direct comparison).
- 7.2 Processes identified by customer research or by performance failures of the service level agreements are reviewed and updated. (New KPI so no previous direct comparison).

9.2.8

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT : EDUCATION PROGRAMME				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
DIRECT COSTS					
Advertising & Publicity				140,000	165,000
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(0.74)%	0.30%		54,231	36,827
TOTAL COST - EDUCATION PROGRAMME				194,231	201,827
REVENUE					
External Revenue					
TOTAL REVENUE				0	0
NET COST - EDUCATION PROGRAMME				194,231	201,827

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT: EDUCATION PROGRAMME

Description Increase public awareness about issues affecting the sustainability of the city's water supply.

Benefits Efficient use of a limited resource (the city's water supply) prolongs the life of the resource for users.

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))***

The protection of the resource is seen to benefit all the using community, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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 water rates. The serviced area is charged water rates and is virtually all of the 'built' area of the city. Outside of that area the occupiers are responsible for their own water supply.

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***

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***Control Negative Effects***

9.2.funding.8

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT : EDUCATION PROGRAMME

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	153,231	36,962	1,465	10,170		201,827 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	-	153,231	36,962	1,465	10,170	-	201,827
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	-	-	-	-		-
Total Modifications	-	-	-	-	-	-	-
Total Costs and Modifications	-	153,231	36,962	1,465	10,170	-	201,827

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	153,231	36,962	1,465	10,170	-	201,827
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	153,231	36,962	1,465	10,170	-	201,827

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT: DEMOCRATIC PROCESSES

Description

- This output embodies provision of information to elected members additional to Committee reporting, preparing and reporting on the Annual Plan and consultation with key stakeholders and partners especially Tangata Whenua.

Objectives for 2001/02

1. To provide timely and innovative responses to elected members enquiries that are customer focussed whilst providing clear policy elaboration.
2. To provide for both elected members and the public and Water Services Annual Plan that meets corporate best practice objectives.

Performance Indicators

1. Performance will be measured by recording elected member response to staff activity in this area with a target of nil negative reports, (New KPI so no previous direct comparison)
2. Water and Waste Unit Annual Plan assessed by Directorate as reflecting corporate best practice, (New KPI so no previous direct comparison).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT : DEMOCRATIC PROCESSES			2000/2001	2001/2002
			BUDGET	BUDGET
			\$	\$
DIRECT COSTS				
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.24)%	0.29%	17,607	36,452
TOTAL COST - DEMOCRATIC PROCESSES			----- 17,607	----- 36,452
REVENUE				
External Revenue				
TOTAL REVENUE			----- 0	----- 0
NET COST - DEMOCRATIC PROCESSES			----- 17,607	----- 36,452
 TOTAL NET COST INFORMATION AND ADVICE			----- 757,563	----- 594,145
			=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT: DEMOCRATIC PROCESSES

Description Advice to elected representatives, consultation with key stakeholders.

Benefits Informed decision making

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))***

Informed decision making is seen to benefit all users, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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 water rates. The serviced area is charged water rates and is virtually all of the 'built' area of the city. Outside of that area the occupiers are responsible for their own water supply.

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***

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***Control Negative Effects***

9.2.funding.9

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	INFORMATION AND ADVICE - WATER SUPPLY

OUTPUT : DEMOCRATIC PROCESSES

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	27,675	6,676	265	1,837		36,452 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	-	27,675	6,676	265	1,837	-	36,452
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	-	-	-	-		-
Total Modifications	-	-	-	-	-	-	-
Total Costs and Modifications	-	27,675	6,676	265	1,837	-	36,452

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	27,675	6,676	265	1,837	-	36,452
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	27,675	6,676	265	1,837	-	36,452

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUTS

- **RESOURCE CONSENTS – INTERNAL (CCC)**
- **RESOURCE CONSENTS – EXTERNAL**
- **BYLAWS**
- **WATER APPLICATIONS**
- **LIM/PIMS**

Description

The primary purpose of this output class is to ensure that the Council's water supply systems is protected, by providing information and if necessary setting conditions at resource consent stage. It also includes the processing of new water supply connection applications and arranging for their installation.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : RESOURCE CONSENTS - INTERNAL (CCC)				2000/2001	2001/2002
DIRECT COSTS				BUDGET	BUDGET
				\$	\$
ALLOCATED COSTS					
Waste Management - Subdivision Fees				71,424	44,329
Transfer from Allocated Holding Accounts	(1.49)%	0.49%		108,359	61,119
TOTAL COST - RESOURCE CONSENTS INTERNAL				-----	-----
				179,783	105,448
REVENUE					
Internal Recoveries					
NET COST RESOURCE CONSENTS INTERNAL				-----	-----
				179,783	105,448
OUTPUT : RESOURCE CONSENTS - EXTERNAL					
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(0.06)%	0.05%		4,192	6,441
NET COST - RESOURCE CONSENTS EXTERNAL				-----	-----
				4,192	6,441

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT: RESOURCE CONSENTS INTERNAL

Description Commenting on applications for City Council consents, eg subdivisions and building consents, to ensure water supply systems are protected.

Benefits New developments are property serviced with water supply and the existing system is protected.

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))

Part of this output is seen to benefit all users, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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 water rates. The serviced area is charged water rates and is virtually all of the 'built' area of the city. Outside of that area the occupiers are responsible for their own water supply.

Direct Benefits (Section 112F(c))

The applicants are the direct beneficiaries.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

The users should pay directly for this service. The infrastructure as built in the development is handed over to Council to maintain.

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

It is possible to fund this by user charges. The revenue is not passed to this Output.

Control Negative Effects

9.2.funding.10

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : RESOURCE CONSENTS INTERNAL

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	16,012	3,862	153	1,063		21,090 CapValWater
80.00% Direct Benefits	84,358	-	-	-	-		84,358 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	84,358	16,012	3,862	153	1,063	-	105,448
<i>Modifications</i>							
Transfer User Costs to Rating	(84,358)	64,046	15,449	612	4,251		- CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(84,358)	64,046	15,449	612	4,251	-	-
Total Costs and Modifications	-	80,058	19,311	765	5,314	-	105,448

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	80,058	19,311	765	5,314	-	105,448
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	80,058	19,311	765	5,314	-	105,448

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT: RESOURCE CONSENTS EXTERNAL

Description Commenting on resource consent applications managed and issued by the Regional Council to ensure water supply systems are protected and that the city well installations are not adversely effected by new extraction.

Benefits Water supply systems are protected.

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))

This output is seen to benefit all users, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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 water rates. The serviced area is charged water rates and is virtually all of the 'built' area of the city. Outside of that area the occupiers are responsible for their own water supply.

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

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

Control Negative Effects

9.2.funding.10

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : RESOURCE CONSENTS EXTERNAL

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	4,890	1,180	47	325		6,441 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	-	4,890	1,180	47	325	-	6,441
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	-	-	-	-		-
Total Modifications	-	-	-	-	-	-	-
Total Costs and Modifications	-	4,890	1,180	47	325	-	6,441

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	4,890	1,180	47	325	-	6,441
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	4,890	1,180	47	325	-	6,441

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUTS:

- **RESOURCE CONSENTS – INTERNAL (CCC)**
- **RESOURCE CONSENTS – EXTERNAL**
- **BYLAWS**
- **WATER APPLICATIONS**
- **LIMS/PIMS**

Objectives for 2001/02

1. To investigate and correctly process applications for new connections to the water supply system.
2. To investigate and correctly process resource consent applications referred to the Unit, or coming to the Unit's attention (e.g. subdivision consents, to take or discharge water).

Performance Indicators

1. That 99% of all valid applications for new connections to the Council's water supply system are processed and forwarded to City Care within three working days of receipt of application. (1999/00: Achieved).
2. That 95% of the Water Supply input to subdivision and resource consents are processed within 10 working days of receipt. (1999/00: Achieved).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
OUTPUT : BYLAWS					
DIRECT COSTS					
Professional Fees				10,000	10,000
Easements				5,000	5,000
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(0.10)%	0.18%		7,429	22,108
TOTAL COST - BYLAWS				22,429	37,108
REVENUE					
External Revenue					
Internal Recoveries					
TOTAL REVENUE				0	0
NET COST BYLAWS				22,429	37,108
OUTPUT : WATER APPLICATIONS					
ALLOCATED COSTS					
TOTAL COST - WATER APPLICATIONS				0	0
EXTERNAL REVENUE				637,500	620,000
NET COST WATER APPLICATIONS				-637,500	-620,000

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT: BYLAWS

Description Create & administer bylaws as necessary to protect the water supply systems.

Benefits Better public use of the resource leads to efficient, safe , non wasteful use of the system.

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))

Part of this output is seen to benefit all users, therefore Capital Value rate allocation is appropriate to those who pay water rates as a surrogate for the distribution of benefits

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))

The negative effects arise from those who deliberately breach the by laws and put the system at risk.

Modifications Pursuant to Section 12

Negative effects exacerbators typically cannot be charged to recover the costs, therefore the recoveries are made against the water rate ratepayers.

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

Control Negative Effects

Negative Effects shall be modified and funded by capital value rating on properties liable for water rates, as capital value best represents stakeholder interest in the City.

9.2.funding.11

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : BYLAWS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
34.00% General Benefits	-	9,579	2,311	92	636		12,617 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
66.00% Negative Effects	24,492	-	-	-	-		24,492 TableC
Total Costs	24,492	9,579	2,311	92	636	-	37,108
<i>Modifications</i>							
Transfer User Costs to Rating	(24,492)	18,594	4,485	178	1,234		0 CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(24,492)	18,594	4,485	178	1,234	-	0
Total Costs and Modifications	-	28,173	6,796	269	1,870	-	37,108

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	28,173	6,796	269	1,870	-	37,108
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	28,173	6,796	269	1,870	-	37,108

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT: WATER APPLICATIONS

Description Process applications for connection to the water system. The revenue reflects the connection fees paid. The costs occur in the capital programme.

Benefits The new connections are correctly metered, mapped and recorded on the network and support record.

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))***Nature and Distribution of General Benefits***Direct Benefits (Section 112F(c))****Control Negative Effects (Section 112F(d))****Modifications Pursuant to Section 12**

The revenue should be matched to the capital expenditure. The Accounting Standards preclude this therefore it is allocated to the ratepayers by Capital Value for Water Rates.

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

9.2.funding.11

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : WATER APPLICATIONS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	- CapValWater
0.00% Direct Benefits	-	-	-	-	-	-	- TableC
0.00% Negative Effects	-	-	-	-	-	-	-
<i>Total Costs</i>	-	-	-	-	-	-	-
<i>Modifications</i>							
Transfer User Costs to Rating	620,000	(470,714)	(113,543)	(4,500)	(31,243)	-	(0) CapValWater
Non-Rateable	-	-	-	-	-	-	-
<i>Total Modifications</i>	620,000	(470,714)	(113,543)	(4,500)	(31,243)	-	(0)
Total Costs and Modifications	620,000	(470,714)	(113,543)	(4,500)	(31,243)	-	(0)

Funded By

- User Charges	620,000						620,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
189360335 Capital Value Rating	-	(470,714)	(113,543)	(4,500)	(31,243)	-	(620,000)
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	620,000	(470,714)	(113,543)	(4,500)	(31,243)	-	(0)

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUTS: (CONTD)

- **RESOURCE CONSENTS – INTERNAL (CCC)**
- **RESOURCE CONSENTS – EXTERNAL**
- **BYLAWS**
- **WATER APPLICATIONS**
- **LIMS/PIMS**

For text refer pages 9.2.text.10 and 9.2.text.11.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : LIMS/PIMS				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(0.06)%	0.10%		4,457	12,247
TOTAL COST LIMS/PIMS				-----	-----
				4,457	12,247
REVENUE					
External Revenue					
Internal Recoveries					
TOTAL REVENUE				-----	-----
				0	0
NET COST LIMS/PIMS				-----	-----
				4,457	12,247
TOTAL NET COST CONSENTS AND APPLICATIONS - WATER SUPPLY				=====	=====
				-426,639	-458,756

9.2.funding.text.12

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT: LIMS/PIMS

Description Providing data for land information and project information memoranda

Benefits Provides information as required by statute to the public and in that it enhances public awareness about the water network.

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

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

General Benefits (Section 112F(b))

None.

Nature and Distribution of General Benefits

Direct Benefits (Section 112F(c))

Direct benefits accrue to the recipient.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

None necessary. See notes on practicability below.

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

General Benefits

Direct Benefits

There is an element of price inelasticity. Pricing depends upon market acceptance. This will be increased over time to full cost recovery. Direct benefits shall be funded from user charges to the extent practicable, with the balance recovered from capital value rating on properties liable for the Land Drainage rate.

Control Negative Effects

9.2.funding.12

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CONSENTS AND APPLICATIONS - WATER SUPPLY

OUTPUT : LIMS/PIMS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	-
100.00% Direct Benefits	12,247	-	-	-	-	-	12,247 TableC
0.00% Negative Effects	-	-	-	-	-	-	-
Total Costs	12,247	-	-	-	-	-	12,247
<i>Modifications</i>							
Transfer User Costs to Rating	(12,247)	9,298	2,243	89	617	-	- CapValWater
Non-Rateable	-	-	-	-	-	-	-
Total Modifications	(12,247)	9,298	2,243	89	617	-	-
Total Costs and Modifications	-	9,298	2,243	89	617	-	12,247

Funded By

0.00% User Charges	-	-	-	-	-	-	-
0.00% Grants and Subsidies	-	-	-	-	-	-	-
0.00% Net Corporate Revenues	-	-	-	-	-	-	-
100.00% Capital Value Rating	-	9,298	2,243	89	617	-	12,247
0.00% Uniform Annual Charge	-	-	-	-	-	-	-
Total Funded By	-	9,298	2,243	89	617	-	12,247

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUTS

- **ADVANCE WATER SERVICES PLANNING**
- **CITY PLAN**
- **REGIONAL PLAN**

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.

Objectives for 2001/02

1. To continue investigations relating to the sustainable management of water supply assets.
2. To ensure appropriate planning is undertaken to adequately provide the water supply needs for new development
3. To ensure that the issues relating to the Council's water requirements are appropriately communicated to Environment Canterbury during their regional planning processes.

Performance Indicators

1. That an updated Water Supply Asset Management Plan be presented for the Council's approval by September 2001, (New KPI so no previous direct comparison).
2. Completion of scoping documents, design briefs, site procurement and consent procedures necessary to enable construction outlined in the second and third years of the ten year capital programme, (1999/00 Achieved).
3. Provide input into Environment Canterbury's Natural Resources Regional Plan (Water Chapter) appropriate to the supply of water, including submissions for Issues and Options and other documents, and background investigations into environmental effects and the views of customers, (New KPI so no previous direct comparison)

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS & POLICY STATEMENTS - WATER SUPPLY

OUTPUT : ADVANCE WATER SERVICES PLANNING				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
DIRECT COSTS					
Professional Fees				60,000	150,000
National Research Fund				6,000	6,000
Other Costs				109,000	24,000
				-----	-----
				175,000	180,000
ALLOCATED COSTS					
Planning					
Waste Management - Utility Mapping					
Transfer from Allocated Holding Accounts	(3.80)%	2.75%		277,439	342,593
				-----	-----
				277,439	342,593
REVENUE					
				-----	-----
NET COST - ADVANCE WATER SERVICES PLANNING				452,439	522,593

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT: ADVANCE WATER SERVICES PLANNING

Description Planning for the long-term sustainable management of the water supply system. This includes Central Plains Water enhancement studies

Benefits Provides assurance to Council that the water supply is being managed and funded for the long term projections of use and life.

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))

The General Benefit is for the future water users as represented by the stakeholder interests

Nature and Distribution of General Benefits

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 water rate as capital value best represents stakeholder interest.

Direct Benefits

Control Negative Effects

9.2.funding.13

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT : ADVANCE WATER SERVICES PLANNING

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	396,761	95,705	3,793	26,334		522,593 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	-	396,761	95,705	3,793	26,334	-	522,593
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	-	-	-	-		-
Total Modifications	-	-	-	-	-	-	-
Total Costs and Modifications	-	396,761	95,705	3,793	26,334	-	522,593

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	396,761	95,705	3,793	26,334	-	522,593
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	396,761	95,705	3,793	26,334	-	522,593

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUTS: (CONTD)

- **ADVANCE WATER SERVICES PLANNING**
- **CITY PLAN**
- **REGIONAL PLAN**

For text refer page 9.2.text.13.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS & POLICY STATEMENTS - WATER SUPPLY

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
OUTPUT : CITY PLAN			
DIRECT COSTS			
Administration Costs			
ALLOCATED COSTS			
Waste Management - Utility Mapping			
Transfer from Allocated Holding Accounts	(0.11)% 0.10%	8,384	13,019
		-----	-----
		8,384	13,019
REVENUE			
		-----	-----
NET COST - CITY PLAN		8,384	13,019
OUTPUT : REGIONAL PLAN			
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts			
	(0.23)% 0.21%	16,769	26,037
		-----	-----
		16,769	26,037
REVENUE			
Internal Recoveries			
		-----	-----
NET COST - REGIONAL PLAN		16,769	26,037
		=====	=====
TOTAL NET COST PLANS AND POLICY STATEMENTS - WATER SUPPLY		477,592	561,649
		=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT: CITY PLAN

Description Ensuring water supply and land drainage issues are reflected in the City Plan

Benefits Ensures that the City Plan reflects the agreed levels of service delivery, objectives and rules.

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))

The General Benefit is for the future water users as represented by the stakeholder interests

Nature and Distribution of General Benefits

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 water rate as capital value best represents stakeholder interest.

Direct Benefits

Control Negative Effects

9.2.funding.14

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT : CITY PLAN

Customer Residential Commercial Rural Institutions Grants Total Method

Costs and Modifications

Costs

100.00% General Benefits	-	9,884	2,384	94	656		13,019 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-

<i>Total Costs</i>	-	9,884	2,384	94	656	-	13,019
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Modifications

Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	-	-	-	-		-

<i>Total Modifications</i>	-	-	-	-	-	-	-
----------------------------	---	---	---	---	---	---	---

Total Costs and Modifications	-	9,884	2,384	94	656	-	13,019
--------------------------------------	---	-------	-------	----	-----	---	--------

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	9,884	2,384	94	656	-	13,019
0.00% Uniform Annual Charge		-	-	-			-

Total Funded By	-	9,884	2,384	94	656	-	13,019
------------------------	---	-------	-------	----	-----	---	--------

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT: REGIONAL PLAN

Description Ensuring the City's interests water supply issues are correctly considered in plans and policies of the Regional Council.

Benefits Ensures that the Regional Plan reflects the cities interests in water supply management.

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))

The General Benefit is for the future water users as represented by the stakeholder interests

Nature and Distribution of General Benefits

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 water rate as capital value best represents stakeholder interest.

Direct Benefits

Control Negative Effects

9.2.funding.14

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT : REGIONAL PLAN

Customer Residential Commercial Rural Institutions Grants Total Method

Costs and Modifications

Costs

100.00% General Benefits	-	19,768	4,768	189	1,312		26,037 CapValWater
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-

<i>Total Costs</i>	-	19,768	4,768	189	1,312	-	26,037
--------------------	---	--------	-------	-----	-------	---	--------

Modifications

Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	-	-	-	-		-

<i>Total Modifications</i>	-	-	-	-	-	-	-
----------------------------	---	---	---	---	---	---	---

Total Costs and Modifications	-	19,768	4,768	189	1,312	-	26,037
-------------------------------	---	--------	-------	-----	-------	---	--------

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	19,768	4,768	189	1,312	-	26,037
0.00% Uniform Annual Charge		-	-	-			-

Total Funded By	-	19,768	4,768	189	1,312	-	26,037
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9.2.text.15

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	PLANS AND POLICY STATEMENTS - WATER SUPPLY

OUTPUT : SUPPLY OF WATER

For text refer pages 9.2.text.16, 9.2.text.17 and 9.2.text.18.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

SUMMARY

OUTPUT EXPENDITURE

SUPPLY OF WATER

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
Headworks	Page 9.2.16	4,472,680	4,789,578
Reticulation	Page 9.2.17	6,726,450	6,133,300
Quality Assurance	Page 9.2.18	117,321	166,288
Water Sales	Page 9.2.19	685,729	970,235
Capital Assets External Revenue	Page 9.2.20		
Rates - Infrastructural Assets	Page 9.2.20	0	596,505
		-----	-----
		12,002,180	12,655,905

OUTPUT REVENUE & RECOVERIES

SUPPLY OF WATER

Headworks	Page 9.2.16	0	0
Reticulation	Page 9.2.17	86,500	102,000
Quality Assurance	Page 9.2.18	0	0
Water Sales	Page 9.2.19	1,883,000	1,568,000
Capital Assets External Revenue	Page 9.2.20	551,000	544,000
		-----	-----
		2,520,500	2,214,000

TOTAL NET COST - SUPPLY OF WATER

9,481,680	10,441,905
=====	=====

CAPITAL ASSETS REVENUE

REVENUE	Page 9.2.20	551,000	544,000
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RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUTS:

- **HEADWORKS**
- **RETICULATION**
- **QUALITY ASSURANCE**

Description

The primary purpose is to plan, operate and maintain the Water Supply pumping, storage and reticulation network of Christchurch City, and to ensure that the levels of service set out in the approved Water Supply Asset Management Plan are achieved (i.e. pressure and flow, restrictions, quality and reliability).

Objectives for 2001/02

1. To ensure that the headworks system is maintained and operated reliably 24 hours a day, seven days a week.
2. To ensure that the reticulation network is maintained and operated efficiently.
3. To undertake a programme of sampling and analysis of drinking water for microbiological and chemical quality, to comply with the New Zealand Drinking Water Standards.
4. To investigate, prepare, and submit resource consent applications for the operation of the water supply system.
5. To undertake an active water loss reduction programme with the aim of achieving an 'unaccounted for water' figure of less than 15%.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
OUTPUT : HEADWORKS				
DIRECT COSTS				
Control & Operations			1,939,323	2,054,069
Maintenance			865,598	844,689
			-----	-----
			2,804,921	2,898,758
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(12.99)%	6.79%	947,659	845,763
Depreciation			115,000	387,000
LRARA Depreciation - Headworks Replacements			605,100	523,000
Asset Write offs Due To Replacement			0	130,000
Debt Servicing			0	5,057
			-----	-----
TOTAL ALLOCATED COSTS			1,667,759	1,890,820
			-----	-----
TOTAL COSTS - HEADWORKS			4,472,680	4,789,578
EXTERNAL REVENUE				
INTERNAL RECOVERIES				
			-----	-----
TOTAL REVENUE			0	0
			-----	-----
NET COST HEADWORKS			4,472,680	4,789,578
			=====	=====
Cost of Capital Employed			3,375,868	3,120,975
			=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT: HEADWORKS

Description Potable water is delivered to the reticulation through well head, pump station, and reservoir maintenance and operations.

Benefits Plentiful potable water supply 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))***

General benefit arises from the contribution a clean water supply makes to public health, and a reliable supply makes to fighting fires. This is assessed at 20%.

Nature and Distribution of General Benefits

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City as expressed by those who are within the serviced area and therefore pay water rates.

Direct Benefits (Section 112F(c))

Direct benefits accrue to users of the water supply system.

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 water rate as capital value best represents stakeholder interest.

Direct Benefits

User charges are made against consumers other than private residential (ie 1 or 2 dwelling units on one title).

Control Negative Effects

9.2.funding.16

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : HEADWORKS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	727,265	175,427	6,953	48,271		957,916 CapValWater
80.00% Direct Benefits	3,831,662	-	-	-	-		3,831,662 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	3,831,662	727,265	175,427	6,953	48,271	-	4,789,578
<i>Modifications</i>							
Transfer User Costs to Rating	(3,831,662)	2,909,059	701,710	27,811	193,083		- CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(3,831,662)	2,909,059	701,710	27,811	193,083	-	-
Total Costs and Modifications	-	3,636,323	877,137	34,764	241,353	-	4,789,578

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	3,636,323	877,137	34,764	241,353	-	4,789,578
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	3,636,323	877,137	34,764	241,353	-	4,789,578

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUTS:

- **HEADWORKS**
- **RETICULATION**
- **QUALITY ASSURANCE**

Performance Indicators

- 1.1 That unplanned headworks shutdowns do not result in loss of supply to customers for longer than four hours. (1999/00: Achieved - Nil).
- 1.2 That incidents of headworks unplanned shutdowns resulting in loss of supply to customers of less than four hours do not exceed ten per year. (1999/00: Achieved - Nil).
- 2.1 That unplanned reticulation shutdowns do not result in loss of supply to customers for longer than four hours, on more than 12 occasions in a year. (1999/00: Achieved – 11).
- 2.2 That 95% of all reported leaks in the Council’s reticulation are repaired within the following schedule:
 - ‘A’ (major/urgent leaks) - Staff will be on site within one hour of the leak being reported. (1999/00: 98%).
 - ‘B’ (medium magnitude leaks) - Staff will be on site within one working day of the leak being reported. (1999/00: 95%).
 - ‘C’ (minor leaks) - Staff will be on site within three working days of the leak being reported. (1999/00: 95%).
- 3.1 That the microbiological sample results conform to the recommendations in the New Zealand Drinking Water Standards Guidelines. (1999/00: Complied).
- 3.2 That the chemical sample results conform to the New Zealand Drinking Water Standard guidelines in respect to Constituents of Health Significance. (1999/00: Complied).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
OUTPUT : RETICULATION					
DIRECT COSTS					
Reticulation Reactive Maintenance				1,688,000	1,556,850
Planned Reticulation Maintenance				200,000	240,000
Contract Plant & Labour				71,000	65,000
Water Loss Reduction				130,000	130,000
TOTAL DIRECT COSTS				2,089,000	1,991,850
ALLOCATED COSTS					
Transfer from Waste Management				245,697	42,646
Transfer from Allocated Holding Accounts	(3.92)%	4.26%		285,579	530,196
Depreciation				0	0
Depreciation (LRARA)				3,994,200	2,935,000
Asset Write off Due to Replacement				0	620,000
Debt Servicing				111,974	13,608
TOTAL COSTS - RETICULATION				4,637,450	4,141,450
				6,726,450	6,133,300
REVENUE					
External Revenue				58,000	72,000
Internal Recoveries				28,500	30,000
				86,500	102,000
NET COST - RETICULATION				6,639,950	6,031,300
Cost of Capital Employed				9,150,196	8,452,650

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

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))

General benefit arises from the contribution a clean water supply makes to public health, and a reliable supply makes to fighting fires. This is assessed at 20%.

Nature and Distribution of General Benefits

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City as expressed by those who are within the serviced area and therefore pay water rates.

Direct Benefits (Section 112F(c))

Direct benefits accrue to users of the water supply system.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

It is Council policy to fund water supply from capital value rating. The costs of direct benefits shall therefore be allocated to those ratepayers within the serviced area based on Capital Values.

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 water rate as capital value best represents stakeholder interest.

Direct Benefits

Direct benefits shall be funded by capital value rating on properties liable for the water rate.

Control Negative Effects

9.2.funding.17

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : RETICULATION

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	931,300	224,644	8,903	61,813		1,226,660 CapValWater
80.00% Direct Benefits	4,906,640	-	-	-	-		4,906,640 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	4,906,640	931,300	224,644	8,903	61,813	-	6,133,300
<i>Modifications</i>							
Transfer User Costs to Rating	(4,804,640)	3,647,759	879,895	34,874	242,112		0 CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(4,804,640)	3,647,759	879,895	34,874	242,112	-	0
Total Costs and Modifications	102,000	4,579,058	1,104,539	43,777	303,925	-	6,133,300

Funded By

1.66% User Charges	102,000						102,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
98.34% Capital Value Rating	-	4,579,058	1,104,539	43,777	303,925	-	6,031,300
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	102,000	4,579,058	1,104,539	43,777	303,925	-	6,133,300

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUTS:

- **HEADWORKS**
- **RETICULATION**
- **QUALITY ASSURANCE**

Performance Indicators (contd)

4. That the water supply system is operated with current and valid resource consents. (1999/00: Achieved).
5. That progress towards the long term 'unaccounted for water' target of less than 15% is monitored and reported with a specific target of less than 15%. (On target).

9.2.18

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : QUALITY ASSURANCE				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
DIRECT COSTS					
Structural Maintenance				40,693	1,000
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(1.05)%	1.33%		76,628	165,288
				-----	-----
				76,628	165,288
TOTAL NET COST - QUALITY ASSURANCE				-----	-----
				117,321	166,288

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT: QUALITY ASSURANCE

Description Quality control in the water supply system.

Benefits Consumers and citizens get an assurance that water delivered to users meets NZ Drinking Water Standards.

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))

General benefit arises from the contribution a clean water supply makes to public health, and a reliable supply makes to fighting fires. This is assessed at 20%.

Nature and Distribution of General Benefits

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City as expressed by those who are within the serviced area and therefore pay water rates.

Direct Benefits (Section 112F(c))

Direct benefits accrue to users of the water supply system.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

It is Council policy to fund water supply from capital value rating. The costs of direct benefits shall therefore be allocated to those ratepayers within the serviced area based on Capital Values.

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 water rate as capital value best represents stakeholder interest.

Direct Benefits

Direct benefits shall be funded by capital value rating on properties liable for the water rate.

Control Negative Effects

9.2.funding.18

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : QUALITY ASSURANCE

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	25,251	6,091	241	1,676		33,259 CapValWater
80.00% Direct Benefits	133,029	-	-	-	-		133,029 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	133,029	25,251	6,091	241	1,676	-	166,288
<i>Modifications</i>							
Transfer User Costs to Rating	(133,029)	100,998	24,362	966	6,703		- CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(133,029)	100,998	24,362	966	6,703	-	-
Total Costs and Modifications	-	126,249	30,453	1,207	8,379	-	166,288

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	126,249	30,453	1,207	8,379	-	166,288
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	126,249	30,453	1,207	8,379	-	166,288

9.2.text.19

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : WATER SALES

For text refer pages 9.2.text.16, 9.2.text.17 and 9.2.text.18.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : WATER SALES				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
DIRECT COSTS					
Data Processing				0	7,000
				-----	-----
				0	7,000
ALLOCATED COSTS					
Alloc O/head - Financial Services				302,139	355,812
Transfer from Allocated Holding Accounts	(5.26)%	4.88%		383,590	607,423
				-----	-----
TOTAL ALLOCATED COSTS				685,729	963,235
				-----	-----
TOTAL COSTS				685,729	970,235
REVENUE					
External Revenue				1,618,000	1,358,000
Internal Recoveries				265,000	210,000
TOTAL REVENUE - SALE OF WATER				1,883,000	1,568,000
				-----	-----
NET COST - SALE OF WATER				-1,197,271	-597,765
				-----	-----
NET COST - SUPPLY OF WATER				10,032,680	10,389,400

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT: WATER SALES

Description Sales of water to commercial end users. Revenue gathered at this point is the income for the entire water distribution chain. The costs are the meter reading, database and billing costs.

Benefits Water consumption by Commercial consumers is charged for to encourage efficient use of a limited resource.

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

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

General benefit arises from the contribution a clean water supply makes to public health, and a reliable supply makes to fighting fires. This is assessed at 20%.

Nature and Distribution of General Benefits

General benefits are considered to accrue in the same proportion as stakeholders' interests in the City as expressed by those who are within the serviced area and therefore pay water rates.

Direct Benefits (Section 112F(c))

Direct benefits accrue to users of the water supply system.

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

Allocated to Capital Values of ratepayers within the serviced area as the revenue is derived from direct benefits of the other supply outputs (which are similarly funded).

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

General benefits shall be funded from user charges.

Direct Benefits

Direct benefits shall be funded from user charges. Surpluses shall be used to offset capital value rating for water supply.

Control Negative Effects

9.2.funding.19

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : WATER SALES

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	147,324	35,537	1,408	9,778		194,047 CapValWater
80.00% Direct Benefits	776,188	-	-	-	-		776,188 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	776,188	147,324	35,537	1,408	9,778	-	970,235
<i>Modifications</i>							
Transfer User Costs to Rating	791,812	(601,156)	(145,008)	(5,747)	(39,900)		(0) CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	791,812	(601,156)	(145,008)	(5,747)	(39,900)	-	(0)
Total Costs and Modifications	1,568,000	(453,833)	(109,471)	(4,339)	(30,122)	-	970,235

Funded By

161.61% User Charges	1,568,000						1,568,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
-61.61% Capital Value Rating	-	(453,833)	(109,471)	(4,339)	(30,122)	-	(597,765)
0.00% Uniform Annual Charge		-	-	-	-		-
Total Funded By	1,568,000	(453,833)	(109,471)	(4,339)	(30,122)	-	970,235

9.2.text.20

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT :

- **CAPITAL ASSETS EXTERNAL WORK**
- **RATES INFRASTRUCTURAL ASSETS**

For text refer pages 9.2.text.16, 9.2.text.17 and 9.2.text.18.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

	2000/2001 BUDGET \$	2001/2002 BUDGET \$
OUTPUT : CAPITAL ASSETS EXTERNAL REVENUE		
REVENUE FOR ASSET WORKS (EXTERNAL)		
New Submains	3,000	3,000
Improvement Private Cost Share	10,000	3,000
Subdivision Private Cost Share	3,000	3,000
Halswell Junction Road main	0	0
Mt Pleasant Cost Share	30,000	30,000
Worsleys Spur Cost Share	5,000	5,000
System Upgrading Contributions (Note: Transferred to Special Fund)	500,000	500,000
TOTAL REVENUE	----- 551,000	----- 544,000
 OUTPUT : RATES - INFRASTRUCTURAL ASSETS		
DIRECT COSTS		
Rates	0	596,505
TOTAL COST	----- 0	----- 596,505
NET COST RATES - INFRASTRUCTURAL ASSETS	----- 0	----- 596,505
	=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT: CAPITAL ASSETS EXTERNAL REVENUE

Description Contribution by developers to the capital development of the water supply system.

Benefits Capital expenditures on the system are met in part by developers who cause the costs to be required.

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

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))

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

The revenues should be matched to capital expenditure but because of accounting standards are applied to revenues. Therefore they are allocated to ratepayers within the serviced area based on capital values.

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

General Benefits

Direct Benefits

Control Negative Effects

9.2.funding.20

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : CAPITAL ASSETS EXTERNAL REVENUE

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	- CapValWater
0.00% Direct Benefits	-	-	-	-	-	-	- TableC
0.00% Negative Effects	-	-	-	-	-	-	-
<i>Total Costs</i>	-	-	-	-	-	-	-
<i>Modifications</i>							
Transfer User Costs to Rating	544,000	(413,013)	(99,625)	(3,949)	(27,413)	-	- CapValWater
Non-Rateable	-	-	-	-	-	-	-
<i>Total Modifications</i>	544,000	(413,013)	(99,625)	(3,949)	(27,413)	-	-
Total Costs and Modifications	544,000	(413,013)	(99,625)	(3,949)	(27,413)	-	-

Funded By

0.00% User Charges	544,000						544,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
0.00% Capital Value Rating	-	(413,013)	(99,625)	(3,949)	(27,413)	-	(544,000)
0.00% Uniform Annual Charge		-	-	-	-		-
Total Funded By	544,000	(413,013)	(99,625)	(3,949)	(27,413)	-	-

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT: RATES - INFRASTRUCTURAL ASSETS

Description This output discloses the CCC and CRC Rates on the reticulation system

Benefits Same as for Water Reticulation.

Strategic Objectives Part of *CCC Policy* Same as for Water Reticulation.
Reticulation
output.

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

Same as for Water Reticulation.

Nature and Distribution of General Benefits

Same as for Water Reticulation.

Direct Benefits (Section 112F(c))

Same as for Water Reticulation.

Control Negative Effects (Section 112F(d))

Same as for Water Reticulation.

Modifications Pursuant to Section 12

Same as for Water Reticulation.

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

Same as for Water Reticulation.

Direct Benefits

Same as for Water Reticulation.

Control Negative Effects

Same as for Water Reticulation.

9.2.funding.20

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUT : RATES - INFRASTRUCTURAL ASSETS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	90,575	21,848	866	6,012		119,301 CapValWater
80.00% Direct Benefits	477,204	-	-	-	-		477,204 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	477,204	90,575	21,848	866	6,012	-	596,505
<i>Modifications</i>							
Transfer User Costs to Rating	(477,204)	362,301	87,393	3,464	24,047		- CapValWater
Non-Rateable	-	-	-	-	-		-
Total Modifications	(477,204)	362,301	87,393	3,464	24,047	-	-
Total Costs and Modifications	-	452,876	109,241	4,330	30,059	-	596,505

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	452,876	109,241	4,330	30,059	-	596,505
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	452,876	109,241	4,330	30,059	-	596,505

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE SUMMARY

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
SUMMARY - LIQUID WASTE			
OUTPUT CLASS EXPENDITURE			
COLLECTION			
RETICULATION	Page 9.2.25	5,601,529	5,465,299
PUMPING	Page 9.2.27	3,107,181	2,546,299
LABORATORY SERVICES	Page 9.2.29	84,589	151,874
TRADE WASTE SERVICES	Page 9.2.30	270,918	231,299
RATES - INFRASTRUCTURAL ASSETS	Page 9.2.30	0	1,267,976
		-----	-----
		9,064,217	9,662,747
TREATMENT AND DISPOSAL			
CHRISTCHURCH TREATMENT WORKS			
Works Operations & Maintenance	Page 9.2.31	6,441,407	6,618,253
Biosolids Application And Use	Page 9.2.33	488,269	679,949
BELFAST OPERATIONS & MAINTENANCE	Page 9.2.35	57,064	55,467
TEMPLETON OPERATIONS & MAINTENANCE	Page 9.2.35	64,484	110,379
CWTP CAPACITY UPGRADE CONNECTION CHARGE	Page 9.2.34		
		-----	-----
		7,051,224	7,464,048
PLANNING			
CITY PLANNING	Page 9.2.36	323,958	226,938
		-----	-----
		323,958	226,938

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE SUMMARY

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
SUMMARY LIQUID WASTE			
INFORMATION AND ADVICE			
INFORMATION REQUESTS	Page 9.2.37	380,182	159,615
		-----	-----
		380,182	159,615
		-----	-----
TOTAL LIQUID WASTE EXPENDITURE		16,819,581	17,513,347
		=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE SUMMARY

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
SUMMARY LIQUID WASTE			
OUTPUT CLASS REVENUE			
COLLECTION			
RETICULATION	Page 9.2.25	163,800	163,000
PUMPING	Page 9.2.27	90,025	0
TRADE WASTE SERVICES	Page 9.2.30	220,100	220,000
LABORATORY SERVICES	Page 9.2.29	59,653	126,874
		-----	-----
		533,578	509,874
TREATMENT AND DISPOSAL			
CHRISTCHURCH TREATMENT WORKS			
Works Operations & Maintenance	Page 9.2.31	1,500,600	1,434,600
Biosolids Application And Use	Page 9.2.33	0	0
BELFAST OPERATIONS & MAINTENANCE			
TEMPLETON OPERATIONS & MAINTENANCE	Page 9.2.35		
CWTP CAPACITY UPGRADE CONNECTION CHARGE	Page 9.2.34	650,000	500,000
		-----	-----
		2,150,600	1,934,600
PLANNING			
CITY PLANNING	Page 9.2.36	30,000	0
		-----	-----
		30,000	0

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE SUMMARY

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
SUMMARY LIQUID WASTE			
INFORMATION AND ADVICE			
INFORMATION REQUESTS	Page 9.2.37	160,000	20,000
		-----	-----
		160,000	20,000
		-----	-----
TOTAL LIQUID WASTE REVENUE & RECOVERIES		2,874,178	2,464,474
		-----	-----
TOTAL NET COST LIQUID WASTE		13,945,403	15,048,873
		=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUTS:

- **RETICULATION**
- **PUMPING**
- **LABORATORY SERVICES**
- **TRADE WASTE SERVICES**
- **RATES – INFRASTRUCTURAL ASSETS**

Description

The sewage collection system serves all of the Christchurch city urban area and comprises 1,562 km of sewer mains, 80 pumping stations, approximately 22,105 manholes, 1,600 flush tanks, and 1,180 km of sewer laterals (117,036 connections). The public system has a replacement value of \$582m and a depreciated value of \$291m at June 2000.

Objectives for 2001/02

1. To develop a comprehensive Liquid Waste Management Plan which conforms to the requirements of the Local Government Amendment Act No. 4. The objectives below will form significant elements of this plan.
2. To preserve the value of the public reticulation system by following an asset management strategy.
3. To ensure adequate system capacity to cater for present and future urban growth by commencing implementation of infiltration and inflow remedial works.
4. To minimise sewage overflows to private property, public roads and waterways.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : RETICULATION

	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
DIRECT COSTS		
Flush Tank Repairs	15,000	15,000
Sewer Repairs	275,000	275,000
Repairs to Cross Sewers	230,000	240,000
Repairs by Contractors	1,000	1,000
Trench Settlement Correction	0	0
Purchase of Water	40,000	40,000
Insurance (LAPP)	124,140	170,711
Maintenance Contract	540,885	513,000
Sanitation Services	9,000	9,000
New Technology Trials	10,000	10,000
Waste Water Bench Marking Levy	8,500	8,500
Drainage Research Group Levy	10,000	10,000
Trunk Main Cleaning	0	50,000
CCTV Inspection	80,000	100,000
Manhole Safety Steps	94,975	94,975
PAMS S/W Maintenance & Support	10,000	15,000
PAMS Database Development	20,000	0
Stormwater Infiltration Survey	190,000	190,000
	-----	-----
DIRECT COSTS	1,658,500	1,742,186

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE COLLECTION

OUTPUTS: (CONT'D)

- **RETICULATION**
- **PUMPING**
- **LABORATORY SERVICES**
- **TRADE WASTE SERVICES**
- **RATES – INFRASTRUCTURAL ASSETS**

Performance Indicators

1. Draft Liquid Waste Management Plan completed and special consultative procedure started.
2. Full implementation of the 2001/02 sewer renewal/capital works programme as in the Asset Management Plan.
3. Complete major catchment flow monitoring, commence subcatchment investigations plus inspection and remedial works on a further 15,000 properties. (1999/00: Flow monitoring in progress, 18,614 households inspected 85% of City completed.)
4. Record and report all overflows of sewage with a target of no overflows resulting from failure of Council pumping equipment. (1999/00: No overflows resulting from failure of Council pumping equipment, one overflow due to major pipeline failure).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : RETICULATION (CONT'D)			2000/2001	2001/2002
			BUDGET	BUDGET
			\$	\$
ALLOCATED COSTS				
Depreciation			2,500	3,500
Depreciation L.R.A.R.A			2,320,000	2,458,000
Asset Write offs Due To Replacement			0	300,000
Debt Servicing			127,620	31,787
Transfer From - Geo Data (Dir of Info)			1,091,985	571,604
Sub Divisions Superv - Ex Prof. Services Unit			0	33,617
Transfer from Allocated Holding Accounts	(5.29)%	2.61%	386,125	324,605
Physical Monitoring & Flow Measurement- R & I			3,656	0
Septic Tank Systems - Customer Services			3,714	0
Sanitation - Water Services			7,429	0
TOTAL ALLOCATED COSTS			3,943,029	3,723,113
TOTAL COSTS			5,601,529	5,465,299
EXTERNAL REVENUE			133,800	133,000
INTERNAL RECOVERIES			30,000	30,000
TOTAL REVENUE			163,800	163,000
TOTAL NET COST RETICULATION			5,437,729	5,302,299
Cost of Capital Employed			13,798,300	19,635,086

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT: RETICULATION

Description Operate and maintain the piping for the sewerage system.

Benefits The connected properties are provided with a liquid waste disposal service which complies with legal and health standards.

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

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

The public health and reserve capacity increase the amenity of the City, this is General Benefit. The cost of inflows the direct benefits and in the absence of a user charge is borne by system stakeholders.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of the city.

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***

The Council considers it is in the community interest to require universal participation to ensure high standards of public health. Costs are therefore allocated to ratepaying sectors on the basis of capital value for those in the serviced area.

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

These shall be funded by capital value rating on properties liable for Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Apart from a small recovery for certain services, direct benefits are not charged for by user charges. They shall be funded by capital value rating on those properties liable for the sewerage rate.

Control Negative Effects

9.2.funding.26

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : RETICULATION

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	827,339	206,139	4,753	54,829		1,093,060 CapValSewer
80.00% Direct Benefits	4,372,239	-	-	-	-		4,372,239 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	4,372,239	827,339	206,139	4,753	54,829	-	5,465,299
<i>Modifications</i>							
Transfer User Costs to Rating	(4,209,239)	3,185,980	793,816	18,305	211,138		0 CapValSewer
Non-Rateable	-	-	-	-	-		-
Total Modifications	(4,209,239)	3,185,980	793,816	18,305	211,138	-	0
Total Costs and Modifications	163,000	4,013,319	999,955	23,058	265,967	-	5,465,299

Funded By

2.98% User Charges	163,000						163,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
97.02% Capital Value Rating	-	4,013,319	999,955	23,058	265,967	-	5,302,299
0.00% Uniform Annual Charge		-	-	-	-		-
Total Funded By	163,000	4,013,319	999,955	23,058	265,967	-	5,465,299

9.2.text.27

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE COLLECTION

OUTPUT : PUMPING

For text see pages 9.2.text.25 and 9.2.text.26.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
OUTPUT : PUMPING		
DIRECT COSTS		
Administration Costs	113,646	9,300
Plant & Workshop Costs	143,220	0
Patrol	60,380	0
Flushing	10,230	0
Building & Grounds Maintenance	1,023	0
Alarm Systems	20,460	21,000
Electrical Repairs	30,690	0
Mechanical Repairs	30,690	0
Grounds Maintenance	15,345	0
Alarm Systems-Telecoms	0	0
Building Maintenance	10,230	0
Fuel	1,023	1,050
Direct Costs (Electricity & Maintenance)	969,804	500,000
Operating Costs	0	1,100,000
	-----	-----
TOTAL DIRECT COSTS	1,406,741	1,631,350

9.2.text.28

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : PUMPING

For text see pages 9.2.text.25 and 9.2.text.26.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : PUMPING				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
ALLOCATED COSTS					
Depreciation				240,000	195,000
Depreciation L.R.A.R.A.				140,000	203,340
Asset Write offs Due To Replacement				0	50,000
Debt Servicing				4,810	1,151
Transfer from Allocated Holding Accounts	(16.05)%	3.74%		1,170,582	465,458
Transfer from Water Services					
Customer Services				0	0
Flow Monitoring - R&I				1,828	0
Rent				143,220	0
TOTAL ALLOCATED COSTS				1,700,440	914,949
TOTAL COSTS				3,107,181	2,546,299
REVENUE					
External Revenue				20,972	0
Internal Recoveries				69,053	0
TOTAL REVENUE				90,025	0
TOTAL NET COST PUMPING				3,017,156	2,546,299
Cost of Capital Employed				683,702	681,584

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT: PUMPING

Description Operate and maintain the pumping system for the sewerage system.

Benefits The sewer reticulation system is supplemented with an efficient pumping service, to pump the sewerage to the treatment stations.

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

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

General Benefits (Section 112F(b))

The public health and reserve capacity increase the amenity of the City, this is General Benefit. The cost of inflows the direct benefits and in the absence of a user charge is borne by system stakeholders.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of the city.

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

The Council considers it is in the community interest to require universal participation to ensure high standards of public health. Costs are therefore allocated to ratepaying sectors on the basis of capital value for those in the serviced area.

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

General Benefits

These shall be funded by capital value rating on properties liable for Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Apart from a small recovery for certain services, direct benefits are not charged for by user charges. They shall be funded by capital value rating on those properties liable for the sewerage rate.

Control Negative Effects

9.2.funding.28

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : PUMPING

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	385,460	96,041	2,215	25,545		509,260 CapValSewer
80.00% Direct Benefits	2,037,039	-	-	-	-		2,037,039 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	2,037,039	385,460	96,041	2,215	25,545	-	2,546,299
<i>Modifications</i>							
Transfer User Costs to Rating	(2,037,039)	1,541,838	384,163	8,858	102,179		- CapValSewer
Non-Rateable	-	-	-	-	-		-
Total Modifications	(2,037,039)	1,541,838	384,163	8,858	102,179	-	-
Total Costs and Modifications	-	1,927,298	480,204	11,073	127,724	-	2,546,299

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	1,927,298	480,204	11,073	127,724	-	2,546,299
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	1,927,298	480,204	11,073	127,724	-	2,546,299

9.2.text.29

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : LABORATORY SERVICES

For text see pages 9.2.text.25 and 9.2.text.26.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
OUTPUT : LABORATORY SERVICES			
DIRECT COSTS			
Administration Costs		25,000	25,000
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(0.82)% 1.02%	59,589	126,874
TOTAL COST LABORATORY SERVICES		84,589	151,874
REVENUE			
External Revenue		59,653	41,747
Internal Recoveries		0	85,127
TOTAL REVENUE LABORATORY SERVICES		59,653	126,874
NET COST LABORATORY SERVICES		24,936	25,000
Cost of Capital Employed			11,696

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT: LABORATORY SERVICES

Description Laboratory services for liquid waste.

Benefits The processing of liquid waste is a biological process requiring monitoring and research to maintain high efficiency and effectiveness, to ensure a safe discharge of treated waste. Trade waste charges are in part driven by the biological content of the waste assessed by the laboratory.

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))***

None. All benefits accrue to identifiable persons or categories of persons.

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

Users of the service are direct beneficiaries.

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***

Direct benefits shall be funded by user charges.

Control Negative Effects

9.2.funding.29

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : LABORATORY SERVICES

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	-
100.00% Direct Benefits	151,874	-	-	-	-	-	151,874 TableC
0.00% Negative Effects	-	-	-	-	-	-	-
<i>Total Costs</i>	151,874	-	-	-	-	-	151,874
<i>Modifications</i>							
Transfer User Costs to Rating	(25,000)	18,923	4,715	109	1,254	-	0 CapValSewer
Non-Rateable	-	-	-	-	-	-	-
<i>Total Modifications</i>	(25,000)	18,923	4,715	109	1,254	-	0
Total Costs and Modifications	126,874	18,923	4,715	109	1,254	-	151,874

Funded By

83.54% User Charges	126,874						126,874
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
16.46% Capital Value Rating	-	18,923	4,715	109	1,254	-	25,000
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	126,874	18,923	4,715	109	1,254	-	151,874

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUTS:

- **TRADE WASTE SERVICES**
- **RATES – INFRASTRUCTURAL ASSETS**

For text see pages 9.2.text.25 and 9.2.text.26.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

			2000/2001	2001/2002
			BUDGET	BUDGET
			\$	\$
OUTPUT: TRADE WASTE SERVICES				
DIRECT COSTS				
ALLOCATED COST				
Transfer from Allocated Holding Accounts	(3.69)%	1.86%	269,432	231,299
Sampling & Referrals - Customer Services			1,486	0
TOTAL COSTS			270,918	231,299
External Revenue			220,000	220,000
Internal Recoveries			100	0
TOTAL REVENUE			220,100	220,000
TOTAL NET COST TRADE WASTE SERVICES			50,818	11,299
Cost of Capital Employed				2,947
OUTPUT : RATES - INFRASTRUCTURAL ASSETS				
DIRECT COSTS				
Rates			0	1,267,976
TOTAL COST			0	1,267,976
NET COST RATES - INFRASTRUCTURAL ASSETS			0	1,267,976
TOTAL NET COST COLLECTION			8,530,639	9,152,873

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT: TRADE WASTE SERVICES

Description Metering and charging for industrial liquid waste. Investigate spillages on the roads of any liquid waste.

Benefits This output brings a degree of user pay to those who use the service for extraordinary discharge.

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

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.30

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : TRADE WASTE SERVICES

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	-
100.00% Direct Benefits	231,299	-	-	-	-	-	231,299 TableC
0.00% Negative Effects	-	-	-	-	-	-	-
<i>Total Costs</i>	231,299	-	-	-	-	-	231,299
<i>Modifications</i>							
Transfer User Costs to Rating	(11,299)	8,552	2,131	49	567	-	0 CapValSewer
Non-Rateable	-	-	-	-	-	-	-
<i>Total Modifications</i>	(11,299)	8,552	2,131	49	567	-	0
Total Costs and Modifications	220,000	8,552	2,131	49	567	-	231,299

Funded By

95.12% User Charges	220,000						220,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
4.88% Capital Value Rating	-	8,552	2,131	49	567	-	11,299
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	220,000	8,552	2,131	49	567	-	231,299

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT: RATES - INFRASTRUCTURAL ASSETS

Description This output discloses the CCC and CRC Rates on the reticulation system

Benefits Same as for the Reticulation system

Strategic Objectives Part of *CCC Policy* Same as for the Reticulation system
Reticulation
output.

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

Same as for Sewerage Reticulation.

Nature and Distribution of General Benefits

Same as for Sewerage Reticulation.

Direct Benefits (Section 112F(c))

Same as for Sewerage Reticulation.

Control Negative Effects (Section 112F(d))

Same as for Sewerage Reticulation.

Modifications Pursuant to Section 12

Same as for Sewerage Reticulation.

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

Same as for Sewerage Reticulation.

Direct Benefits

Same as for Sewerage Reticulation.

Control Negative Effects

Same as for Sewerage Reticulation.

9.2.funding.30

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - COLLECTION

OUTPUT : RATES - INFRASTRUCTURAL ASSETS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	191,947	47,825	1,103	12,721		253,595 CapValSewer
80.00% Direct Benefits	1,014,381	-	-	-	-		1,014,381 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	1,014,381	191,947	47,825	1,103	12,721	-	1,267,976
<i>Modifications</i>							
Transfer User Costs to Rating	(1,014,381)	767,787	191,301	4,411	50,882		- CapValSewer
Non-Rateable	-	-	-	-	-		-
Total Modifications	(1,014,381)	767,787	191,301	4,411	50,882	-	-
Total Costs and Modifications	-	959,733	239,126	5,514	63,603	-	1,267,976

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	959,733	239,126	5,514	63,603	-	1,267,976
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	959,733	239,126	5,514	63,603	-	1,267,976

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUTS:

- **CHRISTCHURCH WASTE WATER TREATMENT PLANT**
- **BELFAST WASTEWATER TREATMENT PLANT**
- **TEMPLETON WASTEWATER TREATMENT PLANT**

Description

The operation and maintenance of the wastewater treatment plants in Christchurch to protect public health and to minimise any adverse environmental impacts of wastewater treatment and disposal.

Objectives for 2001/02

1. To minimise energy costs for all operating plant, by maximising biogas used for energy production.
2. To comply with discharge consent standards as required through achievement of target treatment levels.
3. To hold sewage treatment costs
4. To hold average total wastewater costs

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT PLANT	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
Works Operations & Maintenance		
DIRECT COSTS		
Administration Costs	22,050	23,150
Plant Site & Grounds	135,000	43,622
Ponds Maint (Roads & Outfall)	110,000	56,259
Midge Control	40,000	408
Influent Structure & Screens	31,000	3,870
Disposal of Screenings and Grit	100,000	81,870
Primary Sedimentation Tanks	145,000	103,045
Trickling Filters	25,000	15,623
Contact Tanks Nos 1 & 2	10,000	7,422
Clarifiers	15,000	15,000
Sundry Mechanical Maintenance	150,000	79,267
Imported Power	40,000	40,000
Operations	420,000	11,000
Power Stations Operat & Maintenance	60,000	28,813
Diesel & Lube Oil	69,000	90,000
CBG Station	10,000	0
Biosolids Polymer Purchase	94,000	94,000
Biosolids Dewatering Press Maintenance	20,000	20,623
Biosolids Labour Operation	35,000	683
Biosolids Equipment Maintenance	30,000	5,551
Biosolids Process Monitoring (Lab)	6,200	7,500
Computer Leasing & PC Printer Hire	0	35,000
Hire of Equipment	41,000	40,000
Water Right Annual Fees	22,000	12,000
Maintenance of Buildings	45,000	27,758
Cleaning	80,000	10,611

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUTS: (CONTD)

- **CHRISTCHURCH WASTE WATER TREATMENT PLANT**
- **BELFAST WASTEWATER TREATMENT PLANT**
- **TEMPLETON WASTEWATER TREATMENT PLANT**

Performance Indicators

1. Maximise engine generator use with average 8,000 hours (91% uptime) onload operation over the two National Engines and the Wakesha Generators. (1999/00: Achieved average of 7,914 hours on load and 90.3% uptime).
- 2.1 Measure discharge pollutant levels with a target of an average of 70% and 65% reduction in BOD and suspended solids through the Christchurch Wastewater Treatment Plant. (1999/00: Achieved 65% and 59% respectively.)
- 3.1 Measure discharge faecal coliform levels with a target of an average 99.8% reduction in faecal coliforms throughout the Christchurch Wastewater Treatment Plant and oxidation ponds with final effluent average less than 10,000/100ml. (1999/00: Achieved 99.86% reduction and 8,200/100ml.)
- 3.2 Develop a baseline monitoring programme and a baseline data set for nitrogen removal through the plant and compare to upgraded plant nitrogen base line data. (1999/00 target not achieved due to restructuring disruption).
- 4.1 Measure wastewater treatment costs against the target of \$17.05 per person, \$44.30 per ratepayer and \$0.12/m³. (1999/00: \$13.14 per person, \$34.82 per ratepayer and \$0.08/m³.)
- 4.2 Measure total wastewater operational costs against the target of \$42.70 per person, \$111.00 per ratepayer and \$0.29/m³ (1999/00: \$38.14 per person, \$101.07 per ratepayer and \$0.23/m³.)

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE	
BUSINESS UNIT:	CITY WATER AND WASTE	
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL	
OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT PLANT	2000/2001	2001/2002
	BUDGET	BUDGET
	\$	\$
Works Operations & Maintenance (Cntnd)		
National Engines	25,000	15,623
Waukesha Engine	40,000	37,566
Allen Engine	10,000	8,165
Blower,RAS/WAS P/P Station	25,000	25,000
Sludge Thickening Maintenance	25,000	25,000
Polymer Sludge Thickening	50,000	2,000
Paxman	2,500	2,296
Resource Consent Monitoring	0	100,000
	-----	-----
TOTAL DIRECT COSTS	1,932,750	1,068,725
ALLOCATED COSTS		
Rent	210,600	210,600
Depreciation	70,000	146,000
Depreciation L.R.A.R.A.	3,000,000	2,658,750
Asset Write offs Due To Replacement	0	90,000
Debt Servicing	4,440	7,755
Transfer from Allocated Holding Accounts	1,223,617	2,436,423
	-----	-----
TOTAL ALLOCATED COSTS	4,508,657	5,549,528
	-----	-----
TOTAL COSTS	6,441,407	6,618,253
REVENUE		
Internal Recoveries	4,000	0
External Revenue	1,496,600	1,434,600
	-----	-----
TOTAL REVENUE	1,500,600	1,434,600
	-----	-----
NET COST CHRISTCHURCH WASTE WATER TREATMENT PLANT	4,940,807	5,183,653
	=====	=====
Cost of Capital Employed	631,126	352,286

9.2.text.33

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT WORKS

For text see pages 9.2.text.31 and 9.2.text.32.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT WORKS				2000/2001	2001/2002
				BUDGET	BUDGET
				\$	\$
Biosolids Application And Use					
DIRECT COSTS					
Application Plant Hire				108,000	150,000
Transport Plant Hire				110,400	220,000
Equipment Hire (Loader)				20,000	100,000
Consent Monitoring				65,000	65,000
Transport & Application Labour				60,000	0
Alternative Use Trials				20,000	20,000
Forest Maintenance				60,000	75,000
Farm Monitoring				20,000	20,000
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(0.34)%	0.24%		24,869	29,949
TOTAL COST				488,269	679,949
REVENUE					
TOTAL REVENUE				0	0
TOTAL NET COST BIOSOLIDS APPLICATION & USE				488,269	679,949
TOTAL NET COST CHRISTCHURCH TREATMENT				5,429,076	5,863,602

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT: CHRISTCHURCH TREATMENT WORKS

Description Operation of the Bromley treatment plant, farm and biosolids application to land. Recoveries are mainly from Trade waste Charges, dumping fees and sale of energy

Benefits Liquid waste is processed to an environmentally high quality before discharge into the estuary, thus ensuring a safer community.

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

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

General Benefits (Section 112F(b))

The public health and reserve capacity increase the amenity of the City, this is General Benefit. The cost of inflows the direct benefits and in the absence of a user charge is borne by system stakeholders.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of the city.

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

The Council considers it is in the community interest to require universal participation to ensure high standards of public health. Costs are therefore allocated to ratepaying sectors on the basis of capital value for those in the serviced area.

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

General Benefits

These shall be funded by capital value rating on properties liable for Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Direct benefits are charged for by user charges on Tradewaste, dumping fees, and sales of energy. The balance not recovered shall be funded by capital value rating on those properties liable for the sewerage rate.

Control Negative Effects

9.2.funding.33

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CHRISTCHURCH TREATMENT WORKS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	1,104,804	275,272	6,347	73,217		1,459,640 CapValSewer
80.00% Direct Benefits	5,838,562	-	-	-	-		5,838,562 TableC
0.00% Negative Effects	-	-	-	-	-		-
<i>Total Costs</i>	5,838,562	1,104,804	275,272	6,347	73,217	-	7,298,202
<i>Modifications</i>							
Transfer User Costs to Rating	(4,403,962)	3,333,366	830,539	19,151	220,906		- CapValSewer
Non-Rateable	-	-	-	-	-		-
<i>Total Modifications</i>	(4,403,962)	3,333,366	830,539	19,151	220,906	-	-
Total Costs and Modifications	1,434,600	4,438,171	1,105,811	25,499	294,122	-	7,298,202

Funded By

19.66% User Charges	1,434,600						1,434,600
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
80.34% Capital Value Rating	-	4,438,171	1,105,811	25,499	294,122	-	5,863,602
0.00% Uniform Annual Charge		-	-	-	-		-
Total Funded By	1,434,600	4,438,171	1,105,811	25,499	294,122	-	7,298,202

9.2.text.34

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CWTP CAPACITY UPGRADE CONNECTION CHARGE

For text see pages 9.2.text.31 and 9.2.text.32.

9.2.34

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CWTP CAPACITY UPGRADE CONNECTION CHARGE	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
EXTERNAL REVENUE		
CWTP Capacity Upgrade Connection Charge (926 new connections @ \$540 each)	650,000	500,000
TOTAL EXTERNAL REVENUE	<u>650,000</u>	<u>500,000</u>
 TOTAL NET COST CWTP CAPACITY UPGRADE CONNECTION CHARGE	 <u>(650,000)</u>	 <u>(500,000)</u>

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT: CWTP CAPACITY UPGRADE CONNECTION CHARGE

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, C4, D3, E1, E3, G1
CCC Policy Asset Management Plan

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:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT : CWTP CAPACITY UPGRADE CONNECTION CHARGE

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	- CapValSewer
0.00% Direct Benefits	-	-	-	-	-	-	-
0.00% Negative Effects	-	-	-	-	-	-	-
<i>Total Costs</i>	-	-	-	-	-	-	-
<i>Modifications</i>							
Transfer User Costs to Rating	500,000	(378,451)	(94,294)	(2,174)	(25,080)		(0) CapValSewer
Non-Rateable	-	-	-	-	-	-	-
<i>Total Modifications</i>	500,000	(378,451)	(94,294)	(2,174)	(25,080)	-	(0)
Total Costs and Modifications	500,000	(378,451)	(94,294)	(2,174)	(25,080)	-	(0)

Funded By

- User Charges	500,000						500,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
124944503 Capital Value Rating	-	(378,451)	(94,294)	(2,174)	(25,080)	-	(500,000)
0.00% Uniform Annual Charge		-	-	-	-		-
Total Funded By	500,000	(378,451)	(94,294)	(2,174)	(25,080)	-	(0)

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUTS:

- **BELFAST OPERATIONS & MAINTENANCE**
- **TEMPLETON OPERATIONS & MAINTENANCE**

For text see pages 9.2.text.31 and 9.2.text.32.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

			2000/2001	2001/2002
			BUDGET	BUDGET
			\$	\$
OUTPUT : BELFAST OPERATIONS & MAINTENANCE				
DIRECT COSTS				
Plant Site & Grounds Maintenance			20,900	20,900
TOTAL DIRECT COSTS			<u>20,900</u>	<u>20,900</u>
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.48)%	0.28%	35,250	34,567
Transfer from Water Services				
Compliance Monitoring - R & I			914	0
TOTAL ALLOCATED COSTS			<u>36,164</u>	<u>34,567</u>
TOTAL NET COST BELFAST OPERATION			<u>57,064</u>	<u>55,467</u>
OUTPUT : TEMPLETON OPERATIONS & MAINTENANCE				
DIRECT COSTS				
Plant Site & Grounds Maintenance			57,300	87,300
TOTAL DIRECT COSTS			<u>57,300</u>	<u>87,300</u>
ALLOCATED COSTS				
Rent (Property Unit)			0	15,996
Transfer from Allocated Holding Accounts	(0.10)%	0.06%	7,184	7,083
TOTAL ALLOCATED COSTS			<u>7,184</u>	<u>23,079</u>
TOTAL NET COST TEMPLETON OPERATION			<u>64,484</u>	<u>110,379</u>
TOTAL NET COST TREATMENT AND DISPOSAL			<u>4,900,624</u>	<u>5,529,448</u>

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT: BELFAST OPERATIONS & MAINTENANCE

Description Operation of the Belfast treatment plant

Benefits Liquid waste collected from the Belfast community is processed to an environmentally high quality before discharge into the South Branch of the Waimak River, thus ensuring a safer community.

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))

The public health and reserve capacity increase the amenity of the City, this is General Benefit. The cost of inflows the direct benefits and in the absence of a user charge is borne by system stakeholders.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of the city.

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

The Council considers it is in the community interest to require universal participation to ensure high standards of public health. Costs are therefore allocated to ratepaying sectors on the basis of capital value for those in the serviced area.

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

General Benefits

These shall be funded by capital value rating on properties liable for Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Apart from a small recovery for certain services, direct benefits are not charged for by user charges. They shall be funded by capital value rating on those properties liable for the sewerage rate.

Control Negative Effects

9.2.funding.35

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

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>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	8,397	2,092	48	556		11,093 CapValSewer
80.00% Direct Benefits	44,374	-	-	-	-		44,374 TableC
0.00% Negative Effects	-	-	-	-	-		-
<i>Total Costs</i>	44,374	8,397	2,092	48	556	-	55,467
<i>Modifications</i>							
Transfer User Costs to Rating	(44,374)	33,587	8,368	193	2,226		- CapValSewer
Non-Rateable	-	-	-	-	-		-
<i>Total Modifications</i>	(44,374)	33,587	8,368	193	2,226	-	-
Total Costs and Modifications	-	41,983	10,461	241	2,782	-	55,467

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	41,983	10,461	241	2,782	-	55,467
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	41,983	10,461	241	2,782	-	55,467

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

OUTPUT: TEMPLETON OPERATIONS & MAINTENANCE

Description Operation of the Templeton treatment plant.

Benefits Liquid waste is processed to an environmentally high quality before discharge onto land, thus ensuring a safer community.

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))

The public health and reserve capacity increase the amenity of the City, this is General Benefit. The cost of inflows the direct benefits and in the absence of a user charge is borne by system stakeholders.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of the city.

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

The Council considers it is in the community interest to require universal participation to ensure high standards of public health. Costs are therefore allocated to ratepaying sectors on the basis of capital value for those in the serviced area.

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

General Benefits

These shall be funded by capital value rating on properties liable for Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Apart from a small recovery for certain services, direct benefits are not charged for by user charges. They shall be funded by capital value rating on those properties liable for the sewerage rate.

Control Negative Effects

9.2.funding.35

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - TREATMENT AND DISPOSAL

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>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	16,709	4,163	96	1,107		22,076 CapValSewer
80.00% Direct Benefits	88,303	-	-	-	-		88,303 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	88,303	16,709	4,163	96	1,107	-	110,379
<i>Modifications</i>							
Transfer User Costs to Rating	(88,303)	66,837	16,653	384	4,429		- CapValSewer
Non-Rateable	-	-	-	-	-		-
Total Modifications	(88,303)	66,837	16,653	384	4,429	-	-
Total Costs and Modifications	-	83,546	20,816	480	5,537	-	110,379

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	83,546	20,816	480	5,537	-	110,379
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	83,546	20,816	480	5,537	-	110,379

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - PLANNING

OUTPUT : CITY PLANNING**Description**

The prime purpose of this output class is to provide expert comment and advice to city and regional planning issues, to resource consent applications and hearings, and to provide for planning not already covered in major projects or capital works.

Objectives and Performance Indicators are covered in Wastewater Collection, Treatment and Capital Works.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - PLANNING

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
OUTPUT : CITY PLANNING				
DIRECT COSTS				
Professional Fees			20,000	20,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(3.13)%	1.42%	228,642	176,938
Property Unit Advice			15,000	15,000
Professional Fees			20,000	20,000
Investigation - Professional Services Unit			15,000	15,000
Transfer from Water Services			45,316	0
TOTAL COSTS			<u>323,958</u>	<u>226,938</u>
INTERNAL RECOVERIES			30,000	0
TOTAL NET COST CITY PLANNING			<u>293,958</u>	<u>226,938</u>
TOTAL NET COST PLANNING			<u>293,958</u>	<u>226,938</u>

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - PLANNING

OUTPUT: CITY PLANNING

Description Monitor changes to and development of the City Plan for implications for the liquid waste system.

Benefits The interests of the Liquid waste system are protected by ensuring appropriate recognition within the City Plan.

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))

The City as a whole benefits from planning.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of 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 Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Control Negative Effects

9.2.funding.36

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - PLANNING

OUTPUT : CITY PLANNING

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	171,770	42,798	987	11,383		226,938 CapValSewer
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
<i>Total Costs</i>	-	171,770	42,798	987	11,383	-	226,938
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		- CapValSewer
Non-Rateable	-	-	-	-	-		-
<i>Total Modifications</i>	-	-	-	-	-	-	-
Total Costs and Modifications	-	171,770	42,798	987	11,383	-	226,938

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	171,770	42,798	987	11,383	-	226,938
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	171,770	42,798	987	11,383	-	226,938

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE – INFORMATION AND ADVICE

OUTPUT : INFORMATION REQUESTS**Description**

The provision of information about the wastewater system is now provided through the Customer Service Centre with plan information being provided by Geodata Services either direct to the public or by the Environmental Services Unit through the PIM/LIM process. Occasional specialist advice is sought from the Wastewater staff of the Unit.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - INFORMATION AND ADVICE

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
OUTPUT : INFORMATION REQUESTS				
DIRECT COSTS				
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(2.72)%	1.28%	198,175	159,615
Customer Services			182,007	0
TOTAL COSTS			----- 380,182	----- 159,615
INTERNAL REVENUE			140,000	0
EXTERNAL REVENUE			20,000	20,000
TOTAL NET COST INFORMATION REQUESTS			----- 220,182	----- 139,615
TOTAL NET COST INFORMATION AND ADVICE			=====	=====
TOTAL NET COST LIQUID WASTE			220,182	139,615
			=====	=====
			13,945,403	15,048,873
			=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - INFORMATION AND ADVICE

OUTPUT: INFORMATION REQUESTS

Description Provide information on request.

Benefits Information about the liquid waste system is provided to the benefit of the customer and the community.

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))***

One third of the work is for direct inquiries; the balance is making information generally available. The general benefit is therefore assessed as 66.7%.

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 sewerage rates. The serviced area is charged sewerage rates and is virtually all of the 'built' area of the city.

Direct Benefits (Section 112F(c))

Direct benefits accrue to the recipients of the information.

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

There is as yet no policy for recovering costs from users. They are therefore transferred to rating for the time being.

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

These shall be funded by capital value rating on properties liable for Sewerage rates, as capital value best represents stakeholder interest.

Direct Benefits

Direct benefits shall be funded by capital value rating on properties liable for the sewerage rate.

Control Negative Effects

9.2.funding.37

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE - INFORMATION AND ADVICE

OUTPUT : INFORMATION REQUESTS

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
66.67% General Benefits	-	77,903	20,618	2,742	5,147		106,410 CapValAll
33.33% Direct Benefits	53,204	-	-	-	-		53,204 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	53,204	77,903	20,618	2,742	5,147	-	159,615
<i>Modifications</i>							
Transfer User Costs to Rating	(33,204)	25,133	6,262	144	1,666		- CapValSewer
Non-Rateable	-	-	-	-	-		-
Total Modifications	(33,204)	25,133	6,262	144	1,666	-	-
Total Costs and Modifications	20,000	103,036	26,880	2,886	6,813	-	159,615

Funded By

12.53% User Charges	20,000						20,000
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
87.47% Capital Value Rating	-	103,036	26,880	2,886	6,813	-	139,615
0.00% Uniform Annual Charge		-	-	-	-		-
Total Funded By	20,000	103,036	26,880	2,886	6,813	-	159,615

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE SUMMARY

SOLID WASTE SUMMARY		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
OUTPUT CLASS EXPENDITURE			
WASTE REDUCTION			
COMMERCIAL WASTE REDUCTION	Page 9.2.44	411,500	556,855
		-----	-----
		411,500	556,855
REUSE			
RESOURCE REUSE CENTRES	Page 9.2.45		
Parkhouse Road	Page 9.2.45	90,631	56,407
Metro Place	Page 9.2.45	90,631	56,407
Styx Mill	Page 9.2.46	90,631	56,406
		-----	-----
		271,893	169,221
RECYCLING			
RECYCLING			
Kerbside Recycling Collection	Page 9.2.47	2,491,870	2,569,538
<i>RMF</i>	Page 9.2.48	1,626,100	1,661,327
Information & Publicity	Page 9.2.49	40,541	41,903
		-----	-----
		4,158,511	4,272,769
RESOURCE RECOVERY			
COMPOST			
City Compost Facility	Page 9.2.50	2,397,593	1,840,660
Domestic Composting	Page 9.2.51	89,487	121,077
		-----	-----
		2,487,079	1,961,737

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE SUMMARY

EXPENDITURE SUMMARY SOLID WASTE		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
RESIDUE DISPOSAL			
COLLECTION OPERATIONS			
Domestic	Page 9.2.52	4,870,971	5,060,821
Excess Domestic	Page 9.2.53	268,777	353,368
Inner City	Page 9.2.53	151,204	127,629
TRANSFER OPERATIONS			
Parkhouse Road	Page 9.2.54	2,583,160	2,396,947
Metro Place	Page 9.2.55	1,752,541	1,574,585
Styx Mill	Page 9.2.56	1,475,324	1,324,632
DISPOSAL			
Burwood - Non-Hazardous	Page 9.2.57	2,738,796	2,654,870
Landfill Aftercare	Page 9.2.58	220,676	197,379
Hazardous Waste Operations	Page 9.2.58	296,804	286,956
		-----	-----
		14,358,252	13,977,187
PLANS AND POLICY STATEMENTS			
ADVANCE PLANNING			
Future Landfill Investigations	Page 9.2.59	120,352	215,206
Management Strategy	Page 9.2.60	37,811	64,567
Future Planning	Page 9.2.60	104,406	94,138
		-----	-----
		262,570	373,912
WASTE MINIMISATION FEE			
WASTE MINIMISATION TIPPING FEE REVENUE	Page 9.2.61	0	50,000
		-----	-----
		0	50,000
		-----	-----
TOTAL EXPENDITURE SOLID WASTE		21,949,806	21,361,680
		=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE SUMMARY

SOLID WASTE SUMMARY**OUTPUT CLASS REVENUE****WASTE REDUCTION**

COMMERCIAL WASTE REDUCTION

Page 9.2.44

**2000/2001
BUDGET
\$****2001/2002
BUDGET
\$**

100

100

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

RESOURCE REUSE CENTRES

Parkhouse Road

Page 9.2.45

0

0

Metro Place

Page 9.2.45

0

0

Styx Mill

Page 9.2.46

0

0

0-----
0**RECYCLING**

RECYCLING

Kerbside Recycling Collection

Page 9.2.47

1,000

500

RMF

Page 9.2.48

512,800

497,000

513,800-----
497,500**RESOURCE RECOVERY**

COMPOST

City Compost Facility

Page 9.2.50

1,830,697

1,354,056

Domestic Composting

Page 9.2.51

500

500

1,831,197-----
1,354,556

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE SUMMARY

REVENUE SUMMARY SOLID WASTE

	<u>Notes</u>	2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
RESIDUE DISPOSAL			
COLLECTION OPERATIONS			
Domestic	Page 9.2.52	0	0
Excess Domestic	Page 9.2.53	480,050	405,050
Inner City	Page 9.2.53	120,000	195,000
TRANSFER OPERATIONS			
Parkhouse Road	Page 9.2.54	2,783,638	2,496,330
Metro Place	Page 9.2.55	1,915,702	1,786,012
Styx Mill	Page 9.2.56	1,354,539	1,183,212
DISPOSAL			
Burwood - Non-Hazardous	Page 9.2.57	2,916,383	2,571,749
Landfill Aftercare	Page 9.2.58	0	0
Hazardous Waste Operations	Page 9.2.58	0	0
		-----	-----
		9,570,312	8,637,353

For Notes see page Page 9.2.42

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE SUMMARY

REVENUE SUMMARY SOLID WASTE		<u>Notes</u>	2000/2001 BUDGET	2001/2002 BUDGET
WASTE MINIMISATION FEE			\$	\$
WASTE MINIMISATION TIPPING FEE REVENUE	Page 9.2.61	(2)	4,666,480	7,293,600
			-----	-----
			4,666,480	7,293,600
			-----	-----
TOTAL REVENUE SOLID WASTE			16,581,889	17,783,109
			-----	-----
TOTAL NET COST SOLID WASTE			5,367,917	3,578,571
			=====	=====

(1) Burwood Landfill Stage 2C Aftercare Special Fund

The Council has a \$14m 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 9.2.57 & Page 9.2.58 all as resolved by the Council in 26 April 1999 budget meeting.

(2) Waste Minimisation and Sustainability Fund

The proposed ramping up of tipping fees over the next three years so as to smooth the increase required for the new landfill will generate surplus funds. These funds are being utilised for waste minimisation projects both operating and Capital in nature.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE SUMMARY

SPECIAL FUND TRANSFERS - SOLID WASTE

Burwood Landfill Aftercare Stage 2C Special Fund

APPROPRIATIONS (TRANSFERS TO)

Burwood Landfill After Care Reserve

TOTAL REVENUE

FINANCE PROVIDED (TRANSFERS FROM)

TOTAL EXPENDITURE

TOTAL NET TRANSFERS BURWOOD LANDFILL AFTERCARE STAGE 2C SPECIAL FUND

**2000/2001
BUDGET
\$**

**2001/2002
BUDGET
\$**

(745,500)

0 (745,500)

0 0

0 (745,500)
=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REDUCTION

OUTPUT : COMMERCIAL WASTE REDUCTION

Description

An ongoing programme to minimise the amount of waste produced by Christchurch businesses, with a focus on reducing waste at source including waste reduction demonstration programmes, information/support to encourage businesses to reduce waste and the development of networks to support this programme and distribute information.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

1. *To provide waste reduction advice and assistance to businesses through workshop programmes (20 businesses), taskforce visits (20 businesses), advice by mail, telephone or site visits (100 businesses), two monthly meetings (40 attendees per meeting), and quarterly newsletters (distribution 1500).*
2. To provide at least two workshop programmes that focus on reducing wastage of raw materials, energy and water; reducing waste (toxicity and volume) to landfill and sewer; and increasing staff awareness and skills to deal with waste.

Performance Indicators (New KPI's so no previous direct comparison)

1. *Records of rates of participation of business in workshop programmes, advice given, taskforce visits, two monthly meetings and newsletter distribution.*
2. Number of workshop programmes run and record of benefits achieved through programmes including quantities of waste reduction and business learning outcomes.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REDUCTION

OUTPUT : COMMERCIAL WASTE REDUCTION

				2000/2001 BUDGET	2001/2002 BUDGET
DIRECT COSTS					
Commercial Waste Minimisation Programme				0	145,000
Consultant Advice				45,000	0
Promotion & Publicity				10,000	0
Cleaner Production Newsletter				2,600	0
Information Pack				10,000	0
Green Retail				5,000	0
Waste Auditing Assistance				15,000	0
Target Zero Project				2,000	40,000
Demonstration Projects				40,000	0
Regional Target Zero Network				10,000	0
Cleaner Productions Functions & Seminars				15,000	0
Programme Evaluation & Planning				5,000	4,000
Redesigning Resources Conference				0	25,000
In-House CP & EMS				8,000	0
Academic Organisations Waste Minimisation				10,000	0
Hospital Waste Minimisation				10,000	0
				-----	-----
				187,600	214,000
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(1.77)%	0.26%		128,900	32,855
Allocated O/Head - Professional & Planning Services				95,000	310,000
				-----	-----
				223,900	342,855
				-----	-----
TOTAL COST				411,500	556,855
REVENUE					
External Revenue				100	100
				-----	-----
TOTAL NET COMMERCIAL WASTE REDUCTION				411,400	556,755
				=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REDUCTION

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

9.2.funding.44

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REDUCTION

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>
Costs and Modifications							
<i>Costs</i>							
50.00% General Benefits	-	203,837	53,949	7,174	13,467		278,427 CapValAll
50.00% Direct Benefits	278,427	-	-	-	-		278,427 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	278,427	203,837	53,949	7,174	13,467	-	556,855
<i>Modifications</i>							
Transfer User Costs to Rating	(278,327)	203,764	53,929	7,172	13,462		- CapValAll
Non-Rateable	-	20,717	5,483	729	(26,930)		- CapValGen
Total Modifications	(278,327)	224,481	59,412	7,901	(13,467)	-	-
Total Costs and Modifications	100	428,318	113,361	15,075	-	-	556,855

Funded By

0.02% User Charges	100						100
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
99.98% Capital Value Rating	-	428,318	113,361	15,075	-	-	556,755
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	100	428,318	113,361	15,075	-	-	556,855

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REUSE

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 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. Both the recycling centres and selling facility are managed by the RMF.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

Recycling Centres

1. *To uplift, sort, pack and transport to supershed for sale, recyclable and reusable materials from domestic vehicles.*

Supershed

1. Offer a shopping experience that gives value for money, and creates a completely new appreciation of reuse by the public.
2. To create local employment opportunities through increasing value added products and processes.

Performance Indicators

Recycling Centres (New KPI's so no previous comparison available)

- 1.1 *Tonnage of material taken to supershed.*
- 1.2 *Gross sales levels at supershed.*
- 1.3 *Tonnage of reject material returned to refuse stations.*

Supershed (New KPI's so no previous comparison available)

1. Results of customer survey
2. Number of employees at supershed

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REUSE

OUTPUT : RESOURCE REUSE CENTRES

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Parkhouse Road				
DIRECT COSTS				
Management by RMF (Net Cost)			87,550	54,217
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.04)%	0.02%	3,081	2,190
TOTAL COSTS			----- 90,631	----- 56,407
REVENUE				
External Revenue			0	0
TOTAL NET COST PARKHOUSE RD			----- 90,631	----- 56,407
=====				
Sub Output : Metro Place Resource Recovery				
DIRECT COSTS				
Management by RMF (Net Cost)			87,550	54,217
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.04)%	0.02%	3,081	2,190
TOTAL COST			----- 90,631	----- 56,407
REVENUE				
External Revenue			0	0
TOTAL NET COST METRO PLACE			----- 90,631	----- 56,407
=====				

9.2.text.46

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REUSE

OUTPUT : RESOURCE REUSE CENTRES

For text refer page 9.2.text.45.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REUSE

OUTPUT : RESOURCE REUSE CENTRES

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Styx Mill Road				
DIRECT COSTS				
Management by RMF (Net Cost)			87,550	54,216
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.04)%	0.02%	3,081	2,190
TOTAL COSTS			90,631	56,406
REVENUE				
External Revenue			0	0
TOTAL NET COST STYX MILL ROAD			90,631	56,406
TOTAL NET COST RESOURCE REUSE CENTRES			271,893	169,221

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REUSE

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

9.2.funding.46

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE REUSE

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>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	123,887	32,789	4,360	8,185		169,221 CapValAll
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
<i>Total Costs</i>	-	123,887	32,789	4,360	8,185	-	169,221
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	6,297	1,667	222	(8,185)		- CapValGen
<i>Total Modifications</i>	-	6,297	1,667	222	(8,185)	-	-
Total Costs and Modifications	-	130,184	34,455	4,582	-	-	169,221

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	130,184	34,455	4,582	-	-	169,221
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	130,184	34,455	4,582	-	-	169,221

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING (KERBSIDE AND RMF)

Description - General

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.

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 RMF.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

City Water And Waste Unit

1. *To provide a convenient and efficient recyclable collection service to householders.*
2. To deliver sorted uncontaminated kerbside recyclable materials to the Recovered Materials Foundation.

Recovered Materials Foundation (Note: these have been supplied by the Recovered Materials Foundation)

3. *To accept delivery of, process, and market the materials from the Council Kerbside Recycling Scheme.*
4. To increase the quantity of materials currently being diverted from the landfill.
5. To create local employment opportunities through development of new markets and processes.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING (KERBSIDE AND RMF)		2000/2001 BUDGET	2001/2002 BUDGET
		\$	\$
Sub Output : Kerbside Recycling Collection			
DIRECT COSTS			
Contract Operations (Net cost)		1,518,000	2,303,000
Promotion & Instruction		85,000	85,000
Replacement and Extra Bins		24,000	27,000
Solid - Increased Collection of Recyclable Paper		650,000	0
Solid - Collection of Mixed Plastics		100,000	0
Solid - Kerbside Collection of Domestic Putrescibles (Trial)		45,000	45,000
		-----	-----
TOTAL DIRECT COSTS		2,422,000	2,460,000
ALLOCATED COSTS			
Transfer from Allocated Holding Accounts	(0.95)% 0.88%	69,549	109,538
Depreciation		0	0
Debt Servicing		321	0
		-----	-----
		69,870	109,538
		-----	-----
TOTAL COSTS RECYCLING COLLECTION		2,491,870	2,569,538
REVENUE			
External Revenue		1,000	500
		-----	-----
TOTAL NET COST KERBSIDE RECYCLING COLLECTION		2,490,870	2,569,038
		=====	=====
Cost of Capital Employed		45,648	0

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING (KERBSIDE AND RMF) (CONT'D)

Performance Indicators

City Water And Waste Unit

1. *The level of public satisfaction with Kerbside Recycling services provided, as measured by the annual citizens survey, with a target of 90% of residents satisfied. (1999/00: 86% thought service good or very good, 3% neither good or bad.)*
2. Delivery of sorted newspaper, glass, plastic and metal cans to the Recovered Materials Foundation with a maximum of 12 complaints per year from the Recovered Materials Foundation about contamination. (1999/00: One complaint recorded.)

Recovered Materials Foundation (Note: these have been supplied by the Recovered Materials Foundation)

3. *Total gross sales for the year. (1999/00: Gross sales \$1,702,300)*
- 4.1 Tonnage of materials sold (new KPI so no previous direct comparison).
- 4.2 Number of successful contacts made through Waste Exchange service. (1999/00: 224 solutions, 326 new companies.)
- 4.3 Number of material types accepted (New KPI so no previous direct comparison).
5. Number of people employed in RMF related activities. (1999/00: 48 total)

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING (KERBSIDE AND RMF)				2000/2001	2001/2002
				BUDGET	BUDGET
Sub Output : Recovered Materials Foundation (RMF)					
DIRECT COSTS					
RMF Operating				1,113,300	1,147,900
Business Development Funding				512,800	497,000
				-----	-----
				1,626,100	1,644,900
ALLOCATED COSTS					
Transfer from Allocated Holding Accounts	(0.00)%	0.13%		0	16,427
				-----	-----
TOTAL DIRECT COSTS				1,626,100	1,661,327
REVENUE					
External Revenue -Business Development Funding				436,200	427,000
Internal Revenue - Business Development Funding				76,600	70,000
				-----	-----
TOTAL NET COST RMF				1,113,300	1,164,327
				=====	=====

9.2.text.49

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING (KERBSIDE AND RMF)

For text see pages 9.2.text.47 and 9.2.text.48.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING (KERBSIDE AND RMF)

			2000/2001 BUDGET \$	2001/2002 BUDGET \$
Sub Output : Information & Publicity				
DIRECT COSTS				
General Promotion Waste Activities			20,000	20,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.28)%	0.18%	20,541	21,903
TOTAL NET COST INFORMATION & PUBLICITY			40,541	41,903
			=====	=====
TOTAL NET COST RECYCLING			3,644,711	3,775,269
			=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

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, 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))**

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

9.2.funding.49

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RECYCLING

OUTPUT : RECYCLING

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
50.00% General Benefits	-	1,564,049	413,951	55,050	103,335		2,136,384 CapValAll
50.00% Direct Benefits	2,136,384	-	-	-	-		2,136,384 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	2,136,384	1,564,049	413,951	55,050	103,335	-	4,272,769
<i>Modifications</i>							
Transfer User Costs to Rating	(1,638,884)	1,199,829	317,554	42,230	79,271		0 CapValAll
Non-Rateable	-	140,481	37,181	4,944	(182,607)		- CapValGen
Total Modifications	(1,638,884)	1,340,310	354,734	47,175	(103,335)	-	0
Total Costs and Modifications	497,500	2,904,359	768,685	102,224	-	-	4,272,769

Funded By

11.64% User Charges	497,500						497,500
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
88.36% Capital Value Rating	-	2,904,359	768,685	102,224	-	-	3,775,269
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	497,500	2,904,359	768,685	102,224	-	-	4,272,769

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESOURCE RECOVERY

OUTPUT : COMPOSTING

Description

Research and promotion of domestic composting techniques and equipment. Operation of the garden organic composting facility at Metro Place and garden organic collection facilities at Parkhouse Road and Styx Mill Road.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

1. *To increase incoming garden organic material to 37,000 tonnes.*
2. To manage the compost plant in accordance with the management plans, resource consent, and budget.
3. *To raise public knowledge of alternatives to disposal of organic waste as refuse.*

Performance Indicators

1. *Garden organic tonnage received at refuse stations (1999/00 34,400 tonnes).*
- 2.1 Yield of Compost Plant, target 0.9m³ unscreened compost/tonne of garden organic (1999/00 0.89m³/tonne Achieved).
- 2.2 Net production cost, (target less than 1999/00: \$740,039).
- 2.3 Spray residue levels in compost kept at levels acceptable to bulk buyer of product. (New KPI, so no previous comparison available).
- 2.4 Number of complaints received by Ecan about Compost Plant. (New KPI so no previous comparison available).
- 3.1 *Number of schools participating in Wai Ora Trust composting education programme.* (New KPI so no previous comparison available).
- 3.2 Programme developed for promotion of alternatives to dumping organic waste. (New KPI so no previous comparison available).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESOURCE RECOVERY

OUTPUT : COMPOSTING

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : City Compost Facility				
DIRECT COSTS				
Operating Costs			2,019,831	1,502,496
Promotions			40,000	0
			-----	-----
			2,059,831	1,502,496
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(4.22)%	2.20%	308,114	273,789
Allocated Overhead - Rent			24,000	49,200
Transfer from Water Services				
Research & Investigations			0	0
Depreciation			5,600	15,000
Debt Servicing			48	175
			-----	-----
TOTAL ALLOCATED COSTS			337,762	338,164
			-----	-----
TOTAL COSTS			2,397,593	1,840,660
REVENUE				
External Revenue			1,810,697	1,309,056
Internal Recoveries			20,000	45,000
			-----	-----
TOTAL REVENUE			1,830,697	1,354,056
			-----	-----
TOTAL NET COST CITY COMPOST FACILITY			566,896	486,604
			=====	=====
Cost of Capital Employed			6,790	8,515

9.2.text.51

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESOURCE RECOVERY

OUTPUT : COMPOSTING

For text refer page 9.2.text.50.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESOURCE RECOVERY

OUTPUT : COMPOSTING

			2000/2001 BUDGET \$	2001/2002 BUDGET \$
Sub Output : Domestic Composting				
DIRECT COSTS				
Domestic Composting			85,500	85,500
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.05)%	0.29%	3,987	35,577
TOTAL ALLOCATED COSTS			3,987	35,577
TOTAL COST COMPOSTING			89,487	121,077
REVENUE				
External Revenue			500	500
TOTAL NET COST DOMESTIC COMPOSTING			88,987	120,577
TOTAL NET COST RESOURCE RECOVERY			655,882	607,181

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESOURCE RECOVERY

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, 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))

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

9.2.funding.51

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESOURCE RECOVERY

OUTPUT : COMPOST

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
50.00% General Benefits	-	718,095	190,055	25,275	47,444		980,868 CapValAll
50.00% Direct Benefits	980,868	-	-	-	-		980,868 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	980,868	718,095	190,055	25,275	47,444	-	1,961,737
<i>Modifications</i>							
Transfer User Costs to Rating	373,688	(273,577)	(72,407)	(9,629)	(18,075)		- CapValAll
Non-Rateable	-	22,594	5,980	795	(29,369)		- CapValGen
Total Modifications	373,688	(250,983)	(66,427)	(8,834)	(47,444)	-	-
Total Costs and Modifications	1,354,556	467,111	123,629	16,441	-	-	1,961,737

Funded By

69.05% User Charges	1,354,556						1,354,556
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
30.95% Capital Value Rating	-	467,111	123,629	16,441	-	-	607,181
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	1,354,556	467,111	123,629	16,441	-	-	1,961,737

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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 refuse collection.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

- To provide convenient residual refuse collection services to householders and businesses.*

Performance Indicators

- The level of public satisfaction with the refuse collection service as measured by the annual survey of residents. Target of 90% of residents satisfied. (1999/00: 80% thought service good or very good, 6% neither good or bad).*

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : COLLECTION OPERATIONS

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Domestic				
DIRECT COSTS				
Collection			1,849,668	1,904,105
Bag Purchase			910,000	860,000
Bag Deliveries			140,000	120,000
Disposal fees			1,828,974	2,036,676
Publicity			36,000	36,000
			-----	-----
TOTAL DIRECT COSTS			4,764,642	4,956,781
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(1.46)%	0.84%	106,329	104,040
			-----	-----
TOTAL ALLOCATED COSTS			106,329	104,040
			-----	-----
TOTAL COSTS			4,870,971	5,060,821
EXTERNAL REVENUE				
			-----	-----
TOTAL NET COST DOMESTIC			4,870,971	5,060,821
			=====	=====

9.2.text.53

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : COLLECTION OPERATIONS

For text refer page 9.2.text.52.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : COLLECTION OPERATIONS

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Excess Domestic				
DIRECT COSTS				
Collection			135,333	165,314
Disposal			133,444	177,102
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.00)%	0.09%	0	10,952
TOTAL COSTS			268,777	353,368
REVENUE				
External Revenue			480,050	405,050
TOTAL NET COST EXCESS DOMESTIC			(211,273)	(51,682)
Sub Output : Inner City				
DIRECT COSTS				
Collection			105,000	116,677
Disposal			46,204	0
TOTAL COSTS			151,204	116,677
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.00)%	0.09%	0	10,952
TOTAL COSTS			151,204	127,629
REVENUE				
External Revenue			120,000	195,000
TOTAL NET COST INNER CITY			31,204	(67,371)

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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

9.2.funding.53

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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>
Costs and Modifications							
<i>Costs</i>							
20.00% General Benefits	-	811,434	214,759	28,560	53,611		1,108,363 CapValAll
80.00% Direct Benefits	2,216,727	1,955,153	223,889	37,684	-		4,433,453 TableGC32
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	2,216,727	2,766,587	438,648	66,244	53,611	-	5,541,817
<i>Modifications</i>							
Transfer User Costs to Rating	(1,616,677)	1,451,968	132,804	21,154	10,751		(0) NrProps
Non-Rateable	-	49,514	13,105	1,743	(64,361)		- CapValGen
Total Modifications	(1,616,677)	1,501,482	145,908	22,897	(53,611)	-	(0)
Total Costs and Modifications	600,050	4,268,069	584,557	89,141	-	-	5,541,817

Funded By

10.83% User Charges	600,050						600,050
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
89.17% Capital Value Rating	-	4,268,069	584,557	89,141	-	-	4,941,767
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	600,050	4,268,069	584,557	89,141	-	-	5,541,817

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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 greenwaste 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.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

1. *To manage the City Care Contract to ensure that the Refuse Stations are operated in accordance with current operational and management plans.*
2. To plan and develop changes to transport routes to improve efficiency.
3. To promote the increased recovery of recyclable materials from the waste stream coming into the stations.
4. Plan for changes to refuse stations required by the forthcoming Regional Landfill.

Performance Indicators

1. *Achievement of full compliance with City Care contract KPI's. (New KPI so no previous comparison available).*
2. Number of changes implemented with minimum of one. (New KPI so no previous comparison available).
3. Number of systems in place with minimum of one. (New KPI so no previous comparison available).
4. Plans completed, and contract ready to let. (New KPI so no previous comparison available).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : TRANSFER OPERATIONS

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Parkhouse Rd				
DIRECT COSTS				
Staffing Costs ex Works Operations			507,533	0
Administration Costs			60,486	47,670
Plant Costs			686,404	66,000
Maintenance Grounds & Building			117,100	70,300
Hardfill			6,000	6,000
City Care - Fixed Fee			0	322,224
City Care - Variable Fee			0	162,050
City Care - Refuse Transfer			0	636,300
City Care - Rubble Transfer			0	5,848
Landfill Charges			695,785	561,867
			-----	-----
			2,073,308	1,878,259
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.59)%	0.45%	43,136	55,450
Allocated Overhead - Rent			391,400	422,400
Depreciation			75,266	40,529
Debt Servicing			50	309
			-----	-----
			509,852	518,688
TOTAL COSTS			-----	-----
			2,583,160	2,396,947
REVENUE				
External Revenue			2,341,840	2,125,160
Internal Recoveries			441,798	371,170
			-----	-----
TOTAL REVENUE			2,783,638	2,496,330
TOTAL NET COST PARKHOUSE ROAD			-----	-----
			(200,478)	(99,383)
Cost of Capital Employed			-----	-----
			7,156	4,074

9.2.text.55

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : TRANSFER OPERATIONS

For text refer page 9.2.text.54.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : TRANSFER OPERATIONS

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Metro Place				
DIRECT COSTS				
Staffing Costs ex Works Operations			379,991	0
Administration Costs			66,166	51,330
Plant Costs			353,104	16,600
Maintenance Grounds & Building			120,500	73,450
City Care - Fixed Fee			0	141,120
City Care - Variable Fee			0	148,851
City Care - Refuse Transfer			0	365,300
City Care - Rubble Transfer			0	22,755
Hardfill			6,000	6,000
Landfill Charges			476,866	402,578
			-----	-----
			1,402,627	1,227,984
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.56)%	0.43%	41,082	53,259
Allocated Overhead - Rent			233,500	247,200
Depreciation			75,266	45,500
Debt Servicing			66	642
			-----	-----
			349,914	346,601
			-----	-----
TOTAL COSTS			1,752,541	1,574,585
REVENUE				
External Revenue			1,499,468	1,453,621
Internal Recoveries			416,234	332,391
			-----	-----
TOTAL REVENUE			1,915,702	1,786,012
			-----	-----
TOTAL NET COST METRO PLACE			(163,161)	(211,427)
			=====	=====
Cost of Capital Employed			6,426	5,062

9.2.text.56

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : TRANSFER OPERATIONS

For text refer page 9.2.text.54.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : TRANSFER OPERATIONS

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Styx Mill				
DIRECT COSTS				
Staffing Costs ex Works Operations			310,526	0
Administration Costs			57,669	52,345
Plant Costs			324,904	7,200
Maintenance Grounds & Building			112,200	47,400
Hardfill			5,500	6,000
City Care - Fixed Fee			0	236,376
City Care - Variable Fee			0	148,454
City Care - Refuse Transfer			0	235,757
City Care - Rubble Transfer			0	9,380
Landfill Charges			336,838	266,933
			-----	-----
			1,147,637	1,009,845
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.55)%	0.42%	40,055	52,164
Allocated Overhead - Rent			233,800	219,600
Depreciation			53,766	42,600
Debt Servicing			66	423
			-----	-----
			327,687	314,787
TOTAL COSTS			-----	-----
			1,475,324	1,324,632
REVENUE				
External Revenue			1,111,384	944,998
Internal Recoveries			243,155	238,214
			-----	-----
TOTAL REVENUE			1,354,539	1,183,212
			-----	-----
TOTAL NET COST STYX MILL ROAD			120,785	141,420
			=====	=====
Cost of Capital Employed			9,413	7,328

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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

9.2.funding.56

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	-
100.00% Direct Benefits	5,296,165	-	-	-	-	-	5,296,165 TableC
0.00% Negative Effects	-	-	-	-	-	-	-
Total Costs	5,296,165	-	-	-	-	-	5,296,165
<i>Modifications</i>							
Transfer User Costs to Rating	169,389	(124,010)	(32,821)	(4,365)	(8,193)	-	- CapValAll
Non-Rateable	-	(6,303)	(1,668)	(222)	8,193	-	- CapValGen
Total Modifications	169,389	(130,313)	(34,490)	(4,587)	-	-	-
Total Costs and Modifications	5,465,554	(130,313)	(34,490)	(4,587)	-	-	5,296,165

Funded By

103.20% User Charges	5,465,554						5,465,554
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
-3.20% Capital Value Rating	-	(130,313)	(34,490)	(4,587)	-	-	(169,389)
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	5,465,554	(130,313)	(34,490)	(4,587)	-	-	5,296,165

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : DISPOSAL

Description

A landfill is operated at Burwood for the acceptance of residual refuse from Christchurch, Ashburton District, Waimakariri District and parts of Selwyn District 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 mid 2004 when Burwood will close. Council owned closed landfills are monitored under the Closed Landfill Management Strategy.

Objectives for 2001/02 (Items in italics to be used in Annual Plan)

1. *To operate Burwood Landfill in accordance with all consents and bylaws.*
2. Manage Council owned closed landfills in accordance with the Closed Landfill Management Strategy.

Performance Indicators

1. *Consent and bylaw violation recorded for Burwood by Ecan with a target of zero, (1999/00 minor violations reported but of no environmental significance).*
2. Adherence to programme in Closed Landfill Management Strategy.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : DISPOSAL			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Burwood - Landfill				
DIRECT COSTS				
Operating Costs (includes Burwood Stage 1, 2A, 2B aftercare, refer below)			1,834,502	1,791,204
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(1.41)%	0.88%	102,705	109,515
Transfer from Water Services				
Research & Investigations			0	0
Provision for Aftercare Liability (Stage 2C)			770,700	745,500
Depreciation			30,500	8,000
Debt Servicing			389	651
			-----	-----
			904,294	863,666
TOTAL COST			-----	-----
			2,738,796	2,654,870
REVENUE				
External Revenue			517,800	431,983
External Revenue - Aftercare Fee (for Stage 2C)			655,800	640,500
External Revenue - Ashburton DC			34,667	45,063
External Revenue - Waimakariri DC			83,583	90,126
Internal Recoveries (Transfer Stations)			1,509,633	1,259,077
Internal Revenue - Aftercare Fee (for Stage 2C)			114,900	105,000
			-----	-----
TOTAL REVENUE BURWOOD - LANDFILL			2,916,383	2,571,749
TOTAL NET COST BURWOOD - LANDFILL			-----	-----
			(177,587)	83,121
			=====	=====
Cost of Capital Employed			31,541	31,708
FINANCING TRANSFER				
Appropriation to Burwood Landfill Stage 2C Aftercare Special Fund			770,700	745,500

Note: the provision in the 2001/2002 budget for the transfer to the Burwood Landfill Stage 2C aftercare special fund is \$745500 (refer Page 9.2.5 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 114). For 2001/02 the amount budgeted for aftercare is \$720000 for Burwood Stages 1, 2A, 2B, and \$170000 for all other closed landfills - refer Page 9.2.58. 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.58

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE DISPOSAL

OUTPUT : DISPOSAL

For text refer page 9.2.text.57.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : DISPOSAL

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Landfill Aftercare				
DIRECT COSTS				
Landfill Aftercare			195,000	170,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.35)%	0.22%	25,676	27,379
			-----	-----
			25,676	27,379
			-----	-----
TOTAL NET COST LANDFILL AFTERCARE			220,676	197,379
			=====	=====
Sub Output : Hazardous Waste Operation				
DIRECT COSTS				
Hazardous Waste Advisory Service			57,500	45,000
Hazardous Waste New Initiatives			25,000	0
Hazardous Waste Disposal Supervision			60,000	40,000
Hazardous Waste - Regional			32,000	40,000
Domestic Hazardous Waste At Transfer Stations			51,800	51,800
Hazardous Waste Reduction Co-Ordination Programme			0	12,000
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.97)%	0.79%	70,504	98,156
			-----	-----
TOTAL ALLOCATED COSTS			70,504	98,156
			-----	-----
TOTAL NET COSTS HAZARDOUS WASTE OPERATION			296,804	286,956
			=====	=====
TOTAL NET COST RESIDUE DISPOSAL			4,787,940	5,339,834
			=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

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, 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 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

9.2.funding.58

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE RESIDUE DISPOSAL

OUTPUT : DISPOSAL

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
28.00% General Benefits	-	643,500	170,313	22,649	42,515		878,978 CapValAll
72.00% Direct Benefits	2,260,228	-	-	-	-		2,260,228 TableC
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	2,260,228	643,500	170,313	22,649	42,515	-	3,139,205
<i>Modifications</i>							
Transfer User Costs to Rating	311,521	(228,065)	(60,361)	(8,027)	(15,068)		(0) CapValAll
Non-Rateable	-	21,116	5,589	743	(27,447)		- CapValGen
Total Modifications	311,521	(206,949)	(54,772)	(7,284)	(42,515)	-	(0)
Total Costs and Modifications	2,571,749	436,551	115,540	15,365	-	-	3,139,205

Funded By

81.92% User Charges	2,571,749						2,571,749
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
18.08% Capital Value Rating	-	436,551	115,540	15,365	-	-	567,456
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	2,571,749	436,551	115,540	15,365	-	-	3,139,205

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE PLANS AND POLICY STATEMENTS

OUTPUT : ADVANCED PLANNING

Description

Ongoing development of solid waste management planning including:

- The maintenance of an overarching Solid and Hazardous Waste Management Plan Parts 1 & 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.
- Comment on City and Regional Plans as required.

Objectives for 2001/02 (Items in italics to be used in the Annual Plan)

1. *Solid and Hazardous Waste Management Plan Part 1 reviewed.*
2. To prepare approved Action Plans for 2002/03 year.
3. To finalise and start implementing a comprehensive Solid Waste Management Education Strategy.
4. To contribute towards regional waste minimisation initiatives.

Performance Indicators

1. *Draft revised Part 1 Solid and Hazardous Waste Management Plan complete and out for public submission*
2. Action plans for 2002/03 completed and approved by Council. (New KPI, so no previous comparison available).
3. Progress with implementation of Education Strategy. (New KPI, so no previous comparison available).
4. Achieving regional targets, jointly with other territorial local authorities (New KPI so no previous comparison available).

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE PLANS AND POLICY STATEMENTS

OUTPUT : ADVANCED PLANNING

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Future Landfill Investigations				
DIRECT COSTS				
Professional Fees			10,000	75,700
Media / Education Campaign			57,000	0
Community Participation Fund			0	75,700
Surveying			2,000	20,000
TOTAL DIRECT COSTS			69,000	171,400
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.70)%	0.35%	51,352	43,806
Transfer from Water Services				
Research & Investigations			0	0
TOTAL ALLOCATED COSTS			51,352	43,806
TOTAL NET COST FUTURE LANDFILL INVESTIGATIONS			120,352	215,206

9.2.text.60

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE PLANS AND POLICY STATEMENTS

OUTPUT : ADVANCED PLANNING

For text refer page 9.2.text.59.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE PLANS AND POLICY STATEMENTS

OUTPUT : ADVANCED PLANNING

			2000/2001 BUDGET	2001/2002 BUDGET
			\$	\$
Sub Output : Management Strategy Development				
DIRECT COSTS				
Professional Fees			5,000	10,000
Printing and Publications			2,000	2,000
TOTAL DIRECT COSTS			<u>7,000</u>	<u>12,000</u>
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.42)%	0.42%	30,811	52,567
Management Strategy Development			0	0
			<u>30,811</u>	<u>52,567</u>
TOTAL NET COST MANAGEMENT STRATEGY DEVELOPMENT			<u><u>37,811</u></u>	<u><u>64,567</u></u>
Sub Output : Future Planning				
DIRECT COSTS				
Solid - In vessel Composting Plant Investigations			50,000	0
Research With Other Agencies			0	15,000
Waste Analysis			20,000	20,000
TOTAL DIRECT COSTS			<u>70,000</u>	<u>35,000</u>
ALLOCATED COSTS				
Transfer from Allocated Holding Accounts	(0.47)%	0.48%	34,406	59,138
TOTAL ALLOCATED COSTS			<u>34,406</u>	<u>59,138</u>
TOTAL NET COST FUTURE PLANNING			<u><u>104,406</u></u>	<u><u>94,138</u></u>
TOTAL NET COST ADVANCED PLANNING			<u><u>262,570</u></u>	<u><u>373,912</u></u>
TOTAL NET COST ADVANCED PLANNING			<u><u>262,570</u></u>	<u><u>373,912</u></u>

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE PLANS AND POLICY STATEMENTS

OUTPUT: ADVANCE 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

9.2.funding.60

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE PLANS AND POLICY STATEMENTS

OUTPUT : ADVANCE PLANNING

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
100.00% General Benefits	-	273,741	72,450	9,635	18,086		373,912 CapValAll
0.00% Direct Benefits	-	-	-	-	-		-
0.00% Negative Effects	-	-	-	-	-		-
Total Costs	-	273,741	72,450	9,635	18,086	-	373,912
<i>Modifications</i>							
Transfer User Costs to Rating	-	-	-	-	-		-
Non-Rateable	-	13,914	3,682	490	(18,086)		- CapValGen
Total Modifications	-	13,914	3,682	490	(18,086)	-	-
Total Costs and Modifications	-	287,655	76,132	10,125	-	-	373,912

Funded By

0.00% User Charges	-						-
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
100.00% Capital Value Rating	-	287,655	76,132	10,125	-	-	373,912
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	-	287,655	76,132	10,125	-	-	373,912

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE MINIMISATION FEE

OUTPUT : WASTE MINIMISATION TIPPING 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

Objectives for 2001/02

1. *To receive the 'Waste Minimisation Fee' for each tonne of refuse accepted, at the rate fixed during the annual plan process.*

Performance Indicators

1. *The dollar amount received. (Note this is a new KPI so no comparison is available with previous years.)*

9.2.61

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE WASTE MINIMISATION FEE

	2000/2001 BUDGET \$	2001/2002 BUDGET \$
OUTPUT : WASTE MINIMISATION TIPPING FEE REVENUE		
DIRECT COSTS		
Unspecified Waste Minimisation Projects/Sustainability Projects *	0	0
Regional Waste Minimisation Initiative	0	50,000
	-----	-----
	0	50,000
ALLOCATED COSTS		
	-----	-----
	0	0
	-----	-----
TOTAL COSTS	0	50,000
REVENUE		
External Revenue	3,969,420	6,233,100
Internal Revenue	697,060	1,060,500
	-----	-----
TOTAL REVENUE	4,666,480	7,293,600
	-----	-----
TOTAL NET COST WASTE MINIMISATION TIPPING FEE REVENUE	(4,666,480)	(7,243,600)
	=====	=====
 TOTAL NET COST SOLID WASTE	 5,367,917	 3,578,571
	=====	=====

* Note any unspecified project funds unspent at year end will be transferred to a special fund

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE WASTE MINIMISATION FEE

OUTPUT: WASTE MINIMISATION TIPPING 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.61

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE WASTE MINIMISATION FEE

OUTPUT : WASTE MINIMISATION TIPPING FEE REVENUE

	<i>Customer</i>	<i>Residential</i>	<i>Commercial</i>	<i>Rural</i>	<i>Institutions</i>	<i>Grants</i>	<i>Total Method</i>
Costs and Modifications							
<i>Costs</i>							
0.00% General Benefits	-	-	-	-	-	-	-
100.00% Direct Benefits	50,000	-	-	-	-	-	50,000 TableC
0.00% Negative Effects	-	-	-	-	-	-	-
<i>Total Costs</i>	50,000	-	-	-	-	-	50,000
<i>Modifications</i>							
Transfer User Costs to Rating	7,243,600	(5,303,047)	(1,403,536)	(186,650)	(350,367)		(0) CapValAll
Non-Rateable	-	(269,541)	(71,338)	(9,487)	350,367		- CapValGen
<i>Total Modifications</i>	7,243,600	(5,572,588)	(1,474,874)	(196,137)	-	-	(0)
Total Costs and Modifications	7,293,600	(5,572,588)	(1,474,874)	(196,137)	-	-	50,000
Funded By							
14587.20% User Charges	7,293,600						7,293,600
0.00% Grants and Subsidies		-	-	-	-		-
0.00% Net Corporate Revenues		-	-	-	-		-
- Capital Value Rating	-	(5,572,588)	(1,474,874)	(196,137)	-	-	(7,243,600)
0.00% Uniform Annual Charge		-	-	-			-
Total Funded By	7,293,600	(5,572,588)	(1,474,874)	(196,137)	-	-	50,000

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUTS : WATER SUPPLY

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

Description

The City's water reticulation system comprises 1,300km of mains (plus approximately 2,000km of small diameter submains), 54 primary and 32 secondary pumping stations, as well as seven bulk storage and 24 secondary reservoirs. There are 111,606 connections. The system must be maintained and extended as Christchurch grows. The current depreciated value of the assets is \$165m (replacement cost \$310m). In addition, sufficient fire hydrants must be provided to satisfy the requirements of the Local Government Act and in accordance with the New Zealand Fire Service Code of Practice for Fire Fighting Water Supplies.

Objectives for 2001/02

1. To maintain the performance of the network by undertaking a programme of main and submain replacement and rehabilitation as set out in the Council's approved Asset Management Plan for Water Supply.
2. To enhance the network by installing new reticulation as provided for in the capital works programme.
3. To undertake headworks renewals, improvements and new asset works as provided for in the capital works programme.
4. To provide a sufficient, reliable and cost effective supply of high quality water to the Christchurch community.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SUPPLY OF WATER

OUTPUTS : WATER SUPPLY (CONTD)

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

Performance Indicators

1. Completion within budget by 30 June 2002 of:
 - (a) The replacement of 11.5km of watermain (1999/00 = 11.5km).
 - (b) The replacement of 20km of submain (1999/00 = 20km).
2. Completion within budget by 30 June 2002 of the new mains installations.
3. That the general headworks renewal, improvement and new asset works be completed by 30 June 2002 including the following key elements:
 - (a) Construction work to renew Riccarton Pump Station be completed.
 - (b) Completion of new Styx Mill Pump Station be completed.
 - (c) Improvements at Mt Pleasant (cost share area) to meet City growth requirements.
 - (d) Lifelines Mitigation programme for year be completed.
4. The level of public satisfaction with water supply services as measured by the Annual Survey of Residents. Target of 90% of residents satisfied.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	LIQUID WASTE – RETICULATION AND TREATMENT

OUTPUTS : LIQUID WASTE

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

Description

The City's sewer network system comprises 1,562 km of sewer mains in public roads, 1,180 km of sewer laterals in public roads with 117,036 connections. There are 80 sewer pumping stations, 22,105 manholes, 1,600 flush tanks, and 3 treatment works. The current depreciated value of the assets is \$291m, (replacement value \$582m). The network is maintained and extended as Christchurch City expansion requires.

Performance Indicators

1. Completion within budget by 30 June 2002 of:
 - (a) The replacement of sewer mains (2000/01 = 6.3km).
 - (b) The grouting of 15km of sewer pipe (2000/01 grouting not commenced).
2. Continuation of the Christchurch Wastewater Treatment Plant Upgrade to the stage of completion of Trickling Filter Pump Station B, and the capacity improvements to No. 2 Trickling Filter by 30 June 2002.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	SOLID WASTE – CAPITAL OUTPUTS

OUTPUTS : SOLID WASTE

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

Objectives

1. Projected Capital Expenditure on new mixed organic materials plant spent within budget.
2. Completion within budget by 30 June 2002 of planned capital expenditure for new regional Landfill.

Performance Indicators

1. To commence construction of the pilot plant for the processing of mixed organic material.
2. To co-operate with Canterbury Waste Services to meet the programmed opening date of the new Regional Landfill.

Description

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.

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

SUMMARY

	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
INFRASTRUCTURAL ASSETS		
OUTPUT : RENEWALS & REPLACEMENTS		
Water Supply	4,374,576	4,194,226
Liquid Waste	2,975,640	2,573,176
	-----	-----
	7,350,217	6,767,402
OUTPUT : ASSET IMPROVEMENTS		
Water Supply	294,470	357,039
Liquid Waste	6,991,340	6,082,662
	-----	-----
	7,285,810	6,439,702
OUTPUT : NEW ASSETS		
Water Supply	2,523,055	2,403,727
Liquid Waste	946,386	1,231,357
	-----	-----
	3,469,441	3,635,084
TOTAL CAPITAL OUTPUTS - INFRASTRUCTURAL	18,105,468	16,842,187
	=====	=====
TOTAL INFRASTRUCTURAL ASSETS		
WATER SUPPLY	10,913,366	9,887,196
LIQUID WASTE	7,192,101	6,954,992
	-----	-----
	18,105,468	16,842,187
FIXED ASSETS		
RENEWALS & REPLACEMENTS	258,970	555,480
ASSET IMPROVEMENTS	232,500	95,600
NEW ASSETS	3,386,945	2,065,868
	-----	-----
	3,878,415	2,716,948

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
TOTAL CITY WATER AND WASTE SUMMARY		
OUTPUT : RENEWALS & REPLACEMENTS		
Water Supply	4,399,876	4,194,226
Liquid Waste	3,098,310	2,770,656
Solid Waste	111,000	358,000
	-----	-----
	7,609,187	7,322,882
OUTPUT : ASSET IMPROVEMENTS		
Water Supply	305,970	357,039
Liquid Waste	6,991,340	6,082,662
Solid Waste	221,000	95,600
	-----	-----
	7,518,310	6,535,302
OUTPUT : NEW ASSETS		
Water Supply	2,780,982	2,537,149
Liquid Waste	946,386	1,231,357
Solid Waste	3,129,018	1,932,446
	-----	-----
	6,856,386	5,700,952
	-----	-----
	21,983,883	19,559,135
	=====	=====

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

INFRASTRUCTURAL ASSETS**OUTPUT : RENEWALS & REPLACEMENTS****Water Supply****MAINS**

	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
Mains Renewals	1,700,000	1,700,000
Leak Location/Reduction	5,000	0
Safety Audit overview	4,200	4,500
Incidental Mains renewals	50,000	50,000
Transfer ex Director of Information	0	0
Transfer ex Geodata Services	81,899	85,649
Project Management - Alloc O/Head - Cost Centre	155,272	158,378

Sub Total

	-----	-----
	1,996,371	1,998,527

SUBMAINS

Incidental sub-mains renewals	750,000	750,000
Meter Renewals	40,000	40,000
Meter Renewals	100,000	145,000
Transfer ex Director of Information	0	0
Transfer ex Geodata Services	81,899	32,137
Project Management - Alloc O/Head - Cost Centre	50,306	76,037

Sub Total

	-----	-----
	1,022,205	1,043,174

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : RENEWALS & REPLACEMENTS	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
HEADWORKS		
Well Renewals	0	0
Fuel Tanks	15,300	17,500
Riccarton P/S	350,000	750,000
Fitzgerald P/S	0	200,000
Grassmere Switchboard	0	30,000
Equipment Replacements	40,000	50,000
Control & Indication	25,000	35,000
Sockburn Variable Speed	30,000	0
Belfast Deisel	0	0
Murray Aynsley Reservoir Replacement	218,000	0
Glenroy St PS renewed	530,000	0
Jeffreys Rd Switchboard	0	0
Carters Rd Switchboard	20,000	0
Diesel Replacement	0	0
Templeton P/S	0	0
Trafalger Street Pumping Station	0	0
Transfer ex Director of Information	0	0
Transfer ex Geodata Services	4,095	1,580
Project Management - Alloc O/Head - Cost Centre	123,605	68,445
	-----	-----
Sub Total	1,356,000	1,152,525
	-----	-----
SUBTOTAL - WATER SUPPLY - INFRASTRUCTURAL ASSETS	4,374,576	4,194,226

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

	2000/2001 BUDGET \$	2001/2002 BUDGET \$
OUTPUT : RENEWALS & REPLACEMENTS		
Liquid Waste		
Reticulation		
Project Management - Alloc O/Head - Cost Centre	416,885	31,519
Ex Prof. Services - Contract Supervision	0	43,900
Ex Prof, Services - Data Collection	0	53,400
Flow Monitoring	709,200	200,000
Flow Investigation	0	0
Identified Sewer Renewals as per below	204,000	1,300,000
Sewer Grouting Contract	0	600,000
Design Costs	122,400	0
No 60 Rising Main Renewal	0	176,159
Sumner Area Sewer Renewal	428,400	0
Marshland Road Sewer Renewal	255,000	0
No 40 RM part Renewal	255,000	0
Caledonian Road Sewer Renewal	61,200	0
Moncks Road Sewer Renewal	30,600	0
Sewer Rehabilitation	275,400	0
SubTotal	2,758,085	2,404,978

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : RENEWALS & REPLACEMENTS	2000/2001 BUDGET \$	2001/2002 BUDGET \$
Pumping		
P/stn Wiring & Switchgear Renewal	40,800	51,000
P/Stn Upgrades	71,400	81,600

SubTotal	112,200	132,600
Treatment Works		
Project Management - Alloc O/Head - Cost Centre	255	31,519
Sludge Pipe Replacement	5,100	0
Water pipe replacement	0	4,080
Unallocated	100,000	0

Sub Total	105,355	35,599

SUBTOTAL - LIQUID WASTE - INFRASTRUCTURAL ASSETS	2,975,640	2,573,176

SUBTOTAL - INFRASTRUCUTRAL ASSETS	7,350,217	6,767,402

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

FIXED ASSETS**OUTPUT : RENEWALS & REPLACEMENTS**

2000/2001
BUDGET
\$

2001/2002
BUDGET
\$

Water Supply

Office Furniture

10,500 0

Office Equipment

1,000 0

UHF & Trunk Radios

3,800 0

Test and Workshop Equipment

10,000 0

Sub Total

25,300 0

Liquid Waste**Pumping**

P/Stn Control System

30,600 30,600

P/Stn Alarm Systems

15,300 15,300

Sub Total

45,900 45,900

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : RENEWALS & REPLACEMENTS	2000/2001 BUDGET \$	2001/2002 BUDGET \$
Treatment Works		
Workshop Equipment	0	20,400
Portable Pumps - Lagoons	6,120	0
Brick Building Repairs	20,400	0
Upgrade Gas Control System	12,000	0
Air Conditioner Replacements	0	12,240
Portable Pumps	0	12,240
Control Room Controllers	0	30,600
Portable Gas Detector Replacement	0	6,120
Airdryer	0	6,120
Sub Total	----- 38,520	87,720
Trade Waste		
Sub Total	----- 0	0

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : RENEWALS & REPLACEMENTS	2000/2001 BUDGET \$	2001/2002 BUDGET \$
Laboratory		
Aircinditioner Replacements	5,100	0
Ultra Violet VIS Spectrophotometer	15,300	0
Fume Cupboard	17,850	0
Digester	0	8,160
Gas Chromotograph	0	35,700
UV/VIS Spectrometer	0	20,000
Sub Total	38,250	63,860
Solid Waste		
Minor Replacements	30,000	10,000
Glass Crusher (RMF)	0	248,000
Sub Total	30,000	258,000
Contracts:	0	0
Sub Total	0	0
Business		
Bar Code Readers (Records)	0	0
Equipment & Computer Software	81,000	100,000
Unit Display Screen	0	0
Sub Total	81,000	100,000
SUBTOTAL - FIXED ASSETS	258,970	555,480
TOTAL RENEWALS & REPLACEMENTS	7,609,187	7,322,882

9.2.71

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

INFRASTRUCTURAL ASSETS

OUTPUT : ASSET IMPROVEMENTS

Water Supply

Energy Efficiency Measures

**2000/2001
BUDGET**
\$

**2001/2002
BUDGET**
\$

30,000

100,000

Minor Improvements

20,000

20,000

Control & Indication

25,000

25,000

Life Lines Mitigating Measures

115,000

100,000

Noise Control (Diesel Running)

15,000

15,000

Chlorine Injection Pump

0

18,000

Transfer ex Geodata Services

2,730

527

Water Supply - Project Management 2

86,740

78,512

Sub Total

294,470

357,039

SUBTOTAL - WATER SUPPLY - INFRASTRUCTURAL ASSETS

294,470

357,039

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : ASSET IMPROVEMENTS	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
Infrastructural Assets		
Liquid Waste		
Reticulation		
Project Management - Alloc O/Head - Cost Centre	35,700	82,222
Ex Prof. Services - Contract Supervision	0	12,000
Ex Prof. Services - Data Collection	0	13,300
P/Stn No 20 Pressure Main Upgrading	1,377,000	0
P/stn No. 11 Pressure Main Upgrading	0	100,000
P/Stn No 20 Pressure Main Upgrading	0	612,000
Unallocated	50,000	0
Sub Total	1,462,700	819,522
Pumping		
P/stn Paperlerss Recorders	7,140	7,140
Lifelines - Flexible Couplings & Waterproofing	173,400	306,000
P/Stn 20 Major Upgrade	30,600	487,000
P/stn 11 Major Upgrade	0	51,000
P/Stn No 1 Variable Motor Upgrade	96,900	0
Lifelines Pump Station 57 Stabilisation	132,600	0
Sub Total	440,640	851,140

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : ASSET IMPROVEMENTS	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
Treatment Works		
Expand Wastewater Treatment Plant	4,488,000	4,112,000
AEE & Consent Preparation	500,000	0
Clarifier Construction	0	0
CWTP Pond Modifications	0	50,000
Belfast Plant Rewire	0	0
Panel A Distribution Board	0	0
Liquid - Stage 2b Investigation	100,000	250,000
Lifelines Flexible Couplings, Sump Pumps	0	0
Sub Total	----- 5,088,000	----- 4,412,000
SUBTOTAL - LIQUID WASTE - INFRASTRUCTURAL ASSETS	6,991,340	6,082,662
SUBTOTAL INFRASTRUCTURAL ASSETS	----- 7,285,810	----- 6,439,702

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

FIXED ASSETS**OUTPUT : ASSET IMPROVEMENTS**

2000/2001
BUDGET
\$

2001/2002
BUDGET
\$

Water Supply

Software Upgrade

3,500 0

Select Software Licence

2,750 0

Software Purchases

1,500 0

Unexpected Purchases

1,250 0

Office Foyer improvements

2,500 0

Sub Total

11,500 0**Liquid Waste****Pumping**

0 0

Sub Total

0 0**Treatment Works**

0 0

Sub Total

0 0**Trade Waste**

0 0

Sub Total

0 0**Laboratory**

0 0

Sub Total

0 0

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : ASSET IMPROVEMENTS	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
Solid Waste		
Burwood Landfill	0	0
Resource Recovery Centres Upgrade (RMF Managed)	20,400	30,600
Styx Mill Truck Wash	0	0
Compost Plant Asphaltting	0	0
Refuse Station Pit Improvements (Door Infills)	30,600	0
Refuse Stations Modifications to accommodate new vehicles	0	0
Extension to Compost Plant Operating Area	125,000	0
Minor Improvements	30,000	20,000
	-----	-----
Sub Total	206,000	50,600
Contracts	0	0
	-----	-----
Sub Total	0	0
Business		
Equipment & Computer Software	15,000	45,000
	-----	-----
Sub Total	15,000	45,000
	-----	-----
SUB TOTAL FIXED ASSETS	232,500	95,600
	-----	-----
TOTAL ASSET IMPROVEMENTS	7,518,310	6,535,302
	=====	=====

9.2.76

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

INFRASTRUCTURAL ASSETS

OUTPUT : NEW ASSETS

Water Supply

HEADWORKS & SCHEMES

Scarborough 3 Reservoir

New Pump Station - Belfast

Mt Pleasant Improvements (Cost Share)

Worsley Spur (Cost Share)

Land Purchase for Pump Station

Transfer ex Geodata Services

Transfer from Suspense Account 1

Sub Total

**2000/2001
BUDGET**

\$

**2001/2002
BUDGET**

\$

200,000

300,000

292,500

360,000

0

1,365

107,701

1,261,566

0

374,000

230,000

360,000

200,000

526

55,427

1,219,953

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : NEW ASSETS	2000/2001	2001/2002
Water Supply	BUDGET	BUDGET
RETICULATION	\$	\$
Universal water Metering	50,000	5,000
Burwood Rd (Lakewood to Pump Stn)	0	0
Unspecified New Mains	355,000	246,000
QE@ Drive - Marshlands to Travis	0	150,000
Travis Rd (Lake Tce to Burwood)	0	0
Broad Oaks (CCC Share)	0	0
Burwood Rd (north of Mairehu)	0	0
Contributions to development works	50,000	50,000
Submains	20,000	30,000
Transfer ex Director of Information	0	0
Transfer ex Geodata Services	54,599	23,859
Project Management - Alloc O/Head - Cost Centre	28,507	13,019

Sub Total	558,106	517,878
 NEW INFRA ASSETS (Recoverable)		
New C/Ns (Schedule) -13mm	382,500	425,000
New C/Ns (Schedule) -19mm	0	5,000
Invoiced Connections	120,000	75,000
Rural Restricted C/Ns	5,000	5,000
Mains	3,000	3,000
Submains	1,000	1,000
Miscellaneous	5,000	0

9.2.78

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : NEW ASSETS	2000/2001 BUDGET	2001/2002 BUDGET
	\$	\$
Halswell Junction Road main	0	0
Transfer ex Director of Information	0	0
Transfer ex Geodata Services	109,199	48,695
Project Management - Alloc O/Head - Cost Centre	77,685	103,201
Sub Total	----- 703,384	----- 665,896
SUBTOTAL - WATER SUPPLY - INFRASTRUCTURAL ASSETS	----- 2,523,055	----- 2,403,727

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : NEW ASSETS	2000/2001 BUDGET \$	2001/2002 BUDGET \$
Liquid Waste		
Reticulation		
Project Management - Alloc O/Head - Cost Centre	45,066	138,437
Reticulation Odour Control	40,800	40,800
Hills Road	0	0
Subdivisions Sewer Costs Share Contributions	276,000	50,000
Campervan effluent discharge	0	0
Templeton Diversion	414,120	0
Reticulation Stewarts Gully	100,000	0
Islington	0	414,120
Sub Total	875,986	643,357
Pumping		
PS 15 Rising Main Launcher	0	0
Sub Total	0	0
Treatment Works		
Water Conservation at CWTP	20,400	0
Composting Rag & Grit	0	150,000
Sludge Dewatering - 2nd press	0	408,000
Minor Plant	50,000	30,000
Sub Total	70,400	588,000
SUBTOTAL - LIQUID WASTE - INFRASTRUCTURAL ASSETS	946,386	1,231,357
SUBTOTAL INFRASTRUCTURAL ASSETS	3,469,441	3,635,084

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

FIXED ASSETS**OUTPUT : NEW ASSETS**

2000/2001
BUDGET
\$

2001/2002
BUDGET
\$

Water Supply

Software (PAMS) etc	7,500	0
PAMS Database - Contract Staff	100,000	0
Transfer ex Director of Information	0	0
PAMS Database (Transfer ex Geo Data Services)	114,658	87,385
Transfer from Suspense Account 1	0	0
Network Model - Ex Planning Cost Centre	16,769	26,037
Dishwasher for MPS	1,000	0
Office Furniture / Shelving / lockers	2,500	0
Network Model Planning Software	0	20,000
Test and Workshop Equipment	12,800	0
Trunk Radios	2,700	0
	-----	-----
Sub Total	257,927	133,422

Liquid Waste**Pumping**

PS Alarm Systems	0	0
PS Control Systems	0	0
Workshop Harrison Lathe	0	0
	-----	-----
Sub Total	0	0

Treatment Works

Biosolids Feedpump	0	0
Generator Installation	0	0
	-----	-----
Sub Total	0	0

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

OUTPUT : NEW ASSETS	2000/2001 BUDGET \$	2001/2002 BUDGET \$
Trade Waste	0	0
Sub Total	0	0
Laboratory	0	0
Sub Total	0	0
Solid Waste		
Unspecified (eg Biosolids for Compost, MRF etc)	0	0
New Canterbury Regional Landfill	2,839,000	1,071,000
New Canterbury Regional Landfill Community Fund	75,000	0
Host Council Communication Support Fund	37,850	0
RMF	102,000	102,000
Kerbside Recycling (Bins for population growth 10%)	13,668	13,668
New Initiatives (eg MRF)	30,000	30,000
Start Up Compost In vessel Plant	0	100,000
Strategic Land Purchase Reserve	0	500,000
In vessel Compost Plant - Transfer from Cost Centre(s)	0	65,778
Sub Total	3,097,518	1,882,446
Contracts	0	0
Sub Total	0	0
Business		
Equipment & Computer Software	31,500	50,000
Sub Total	31,500	50,000
SUBTOTAL FIXED ASSETS	3,386,945	2,065,868
TOTAL NEW ASSETS	6,856,386	5,700,952

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE									
BUSINESS UNIT:	CITY WATER AND WASTE									
OUTPUT CLASS:	CAPITAL OUTPUTS									

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10

RENEWAL AND REPLACEMENT**Infrastructural Assets****Water Supply****Reticulation**

Replacement Mains	1,998,527	2,447,240	2,579,840	2,661,440	2,773,640	2,834,840	2,747,040	3,008,240	2,559,439	2,587,439
Replacement Submains	898,174	943,000	943,000	943,000	943,000	943,000	943,000	943,000	943,000	943,000
Replacement Meters	145,000	148,000	148,000	148,000	148,000	148,000	148,000	148,000	148,000	148,000
Sub Total	3,041,701	3,538,240	3,670,840	3,752,440	3,864,640	3,925,840	3,838,040	4,099,240	3,650,439	3,678,439

Note: above estimates include engineering & Geodata Services

Headworks

Replacement Wells		104,000		104,000	208,000	104,000	208,000	210,300	208,000	208,000
Fuel Tanks	17,500									
Riccarton P/S	750,000									
Fitzgerald P/S	200,000	438,600	448,800							
Mays RdP/S Repl				214,200						
Grassmere Switchboard	30,000									
Elec replacements		15,600	15,600	15,600	15,600	15,600	15,600	15,600	15,600	15,600
Diesel Replacements		104,000		104,000		104,000		104,000		104,000
Westmoreland 2 Reservoir Replacement					204,000					
Equipment Replacements	50,000	40,800	40,800	40,800						
Control & Indication	35,000									
Other Renewals / Replacements		204,000	204,000	204,000	541,300	745,300	745,300	641,200	745,300	641,200
Geodata Services	1,580	4,100	4,100	4,100						
Project Management	68,445	102,000	102,000	102,000						
Sub Total	1,152,525	1,013,100	815,300	788,700	968,900	968,900	968,900	971,100	968,900	968,800
TOTAL - WATER SUPPLY	4,194,226	4,551,340	4,486,140	4,541,140	4,833,540	4,894,740	4,806,940	5,070,340	4,619,339	4,647,239

9.2.83

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE									
BUSINESS UNIT:	CITY WATER AND WASTE									
OUTPUT CLASS:	CAPITAL OUTPUTS									

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Liquid Waste										
Reticulation										
Project Management	31,519	104,000	104,000	104,000	104,000	104,000	104,000	104,000	104,000	104,000
Ex Prof. Services - Contract Supervision	43,900	43,900	43,900	43,900	43,900	43,900	43,900	43,900	43,900	43,900
Ex Prof. Services - Data Collection	53,400	53,400	53,400	53,400	53,400	53,400	53,400	53,400	53,400	53,400
Sewer Renewal - City Wide	1,300,000	2,008,841	2,185,000	2,185,000	2,185,000	2,185,000	2,185,000	2,185,000	2,185,000	2,185,000
Flow Monitoring	200,000	420,000								
Sewer Grouting Contract	600,000									
No 60 Rising Main Renewal	176,159									
Lifelines, Brickbarrel Renewals			1,040,000	1,040,000	1,040,000	1,040,000				
Pumping										
P/stn Wiring & Switchgear Renewal	51,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000
P/Stn Upgrades	81,600	156,000	156,000	156,000	156,000	156,000	156,000	156,000	156,000	156,000
Treatment										
Project Management	31,519	6,800								
Channel Control Gates Replacement		31,500					73,500			
D Panel Replacement		78,800								
Estuary Front Stabilisation				52,500					51,000	
North Gallery Rewire		21,000								
Sludge Pipe Replacement		5,250		5,250		5,250		5,250		10,300
Water pipe replacement	4,080		4,200		4,200		4,200		4,200	
Dall Flow Measurement Meters		52,500								102,000
Density Meters (2)			52,500							52,000
Unallocated	0								104,000	104,000
TOTAL - LIQUID WASTE	2,573,176	3,033,991	3,691,000	3,692,050	3,638,500	3,639,550	2,672,000	2,599,550	2,753,500	2,862,600
TOTAL INFRASTRUCTURAL ASSETS	6,767,402	7,585,331	8,177,140	8,233,190	8,472,040	8,534,290	7,478,940	7,669,890	7,372,839	7,509,839

9.2.84

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Assets										
Water Supply										
Liquid Waste										
Pumping										
P/s control systems	30,600	31,200	31,200	31,200	31,200	31,200	31,200	31,200	31,200	31,200
P/Stn Alarm Systems	15,300	15,600	15,600	15,600	15,600	15,600	15,600	15,600	15,600	15,600
Scada System								197,600	280,900	280,900
Treatment Works										
Air Conditioner Replacements	12,240			12,600			12,600			12,600
Boundary Fence							10,500			
Portable Pumps	12,240			12,600			12,600			12,600
Workshop Equipment	20,400						31,500		10,500	
Filter Bearing				30,900	30,900					
Channel Covers									21,000	
Electrical Test Equipment					10,500					10,500
Air Compressor		104,000								
Circuit breaker		10,500					52,500			
Control Room Controllers	30,600									
Programmable Logic Controllers Replacement		105,000								153,000
National Engine Replacement			624,000	624,000						
Portable Gas Detector Replacement	6,120			6,300			6,300			6,300
Airdryer	6,120			6,300			6,300			6,300
Portable Pumps - Lagoons				12,600					12,600	
Sludge Circ P/P Replacement		84,000	104,000							
Sed Tank Mechanical Equipment				187,200			208,000			208,000
Brick Building Repairs			15,600							
Upgrade gas control system										
Kelly Lewis Pump - Replacement			124,800	124,800						257,500
"A' Panel & Large Display Screen			31,500							
Raw Sludge P/P Replacement			156,000							
Belt Press Replacement									728,200	
Pre-Aeration Blower Replacement									187,200	
BioSolids Auger									88,400	
FGR Bearings / Overhaul									104,000	104,000
Clarifiers Scrapers									104,000	

9.2.86

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE									
BUSINESS UNIT:	CITY WATER AND WASTE									
OUTPUT CLASS:	CAPITAL OUTPUTS									
Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
UV/VIS Spectrometer	20,000									
GC				40,000						
AAS/ICP										
Washing Machine		12,600							12,240	
Solid Waste										
Minor Replacements	10,000	10,000	10,000	10,000	10,000	50,000	50,000	50,000	50,000	50,000
Weighbridge Computer Systems										
Glass Crusher (RMF)	248,000	98,000								
Support										
Equipment & Computer Software	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
TOTAL FIXED ASSETS	555,480	594,000	1,324,600	1,306,100	248,200	618,400	974,400	721,400	3,504,340	2,346,000
TOTAL RENEWALS & REPLACEMENTS	7,322,882	8,179,331	9,501,740	9,539,290	8,720,240	9,152,690	8,453,340	8,391,290	10,877,179	9,855,839

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
ASSET IMPROVEMENTS										
<u>Infrastructural Assets</u>										
<u>Water Supply</u>										
Minor Improvements	20,000	20,400	20,400	20,400	20,400					
Control & Indication	25,000	25,500	25,500	25,500	255,000					
Life Lines Mitigating Measure	100,000	91,800	102,000	102,000	41,200					
Well Discharge metering				15,450	15,450					
Noise Control (diesel running)	15,000	15,450	15,450							
Energy efficiency measures	100,000									
Chlorine Injection Pump	18,000									
Other Improvements		25,500	25,500	25,500	25,500					
Project Management	79,039	81,600	81,600	81,600	81,600					
Unallocated						209,000	209,000	209,000	209,000	209,000
TOTAL - WATER SUPPLY	357,039	260,250	270,450	270,450	439,150	209,000	209,000	209,000	209,000	209,000

9.2.88

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE									
BUSINESS UNIT:	CITY WATER AND WASTE									
OUTPUT CLASS:	CAPITAL OUTPUTS									

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Liquid Waste										
Reticulation										
Project Management	82,222	178,975	137,500	137,500	137,500	137,500	137,500	137,500	137,500	137,500
Contract Supervision (Ex Prof. Services)	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Data Collection (Ex Prof. Services)	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300
P/stn No. 11 Pressure Main Upgrading	100,000	2,170,500								
P/Stn No 20 Pressure Main Upgrading	612,000									
Major Trunk Expansion (Inc. SW Sector Expansion)			3,016,000	3,016,000	3,016,000	2,965,000	1,482,500	2,965,000	2,965,000	2,965,000
Halswell Area Trunk Expansion		1,560,600					1,482,500			
Lifelines - Ferry Road & Pages Road Bridge Inv.		114,400								
Unallocated	0	0	0	0	0	51,000	51,000	51,000	51,000	51,000
Pumping										
P/stn 20 Major Upgrade	487,000	0								
P/stn 11 Major Upgrade	51,000	494,200	494,200							
P/Stn paperless Recorders	7,140	7,300								
Lifelines, waterproofing, standby power	306,000									
Treatment Works										
Belfast WWTP Upgrade					1,560,600	1,560,600				
Expansion of Christchurch Wastewater Treatment Plan	4,112,000	7,397,900	64,600	960,600	1,564,600					
Waste Water Treatment Plant UV Sterilisation			7,803,000	7,803,000						
Christchurch Wastewater Treatment Plant Pond Modif	50,000	50,000	50,000	50,000	6,940,000	7,140,000				
Header Manifold - Modifications				260,000						
Cover Sludge Lagoons/Replacement										1,030,000
Liquid - Stage 2b Investigation	250,000	255,000	255,000	255,000						
Filter Pump Switchgear										102,000
Motor Distribution Centre (Above Ground)									428,400	
TOTAL - LIQUID WASTE	6,082,662	12,254,175	11,845,600	12,507,400	13,244,000	11,879,400	3,178,800	3,178,800	3,607,200	4,310,800
TOTAL INFRASTRUCTURAL	6,439,702	12,514,425	12,116,050	12,777,850	13,683,150	12,088,400	3,387,800	3,387,800	3,816,200	4,519,800

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE									
BUSINESS UNIT:	CITY WATER AND WASTE									
OUTPUT CLASS:	CAPITAL OUTPUTS									
Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Assets										
Water Supply										
Liquid Waste										
Pumping										
Treatment Works										
Software (Scada)			5,200							10,200
Trickling Filter - Cover Painting		20,800	20,800						52,000	
Trade Waste										
Laboratory										
Solid Waste										
Resource Recovery Centres Upgrade (RMF Managed)	30,600	10,400	10,400							
Refuse Station Pit Building Improvements (Door Infills)										
Refuse Stations Modifications to accommodate new vehicles		2,028,700	2,028,700							
Minor Improvements	20,000	20,000	20,000	20,000	20,000	50,000	50,000	50,000	50,000	50,000
Support										
Equipment & Computer Software	45,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
TOTAL FIXED ASSETS	95,600	2,119,900	2,125,100	60,000	60,000	90,000	90,000	90,000	142,000	100,200
TOTAL ASSET IMPROVEMENTS	6,535,302	14,634,325	14,241,150	12,837,850	13,743,150	12,178,400	3,477,800	3,477,800	3,958,200	4,620,000

9.2.90

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
NEW ASSETS										
Infrastructural Assets										
Water Supply										
Reticulation										
Submains	30,000	20,400	20,400	20,400						
Additional infrastructure required for developments	50,000	51,000	51,000	51,000						
New Mains Programme	437,878	196,800	308,400	257,400						
Mt Pleasant New Mains		110,100		18,500	102,000	18,500				
Unallocated			0	0	245,800	409,000	430,400	432,400	435,500	446,900
Sub Total	517,878	378,300	379,800	347,300	347,800	427,500	430,400	432,400	435,500	446,900
Note: figures include Geodata Services and Project Management										
Headworks										
Standby Diesels		127,500								
Land Purchase for Pump Station	200,000									
Bottle Lake Pump Station	374,000									
New wells at for growth		153,000	153,000	153,000	153,000					
Mt Pleasant New Reservoir & Pumps	230,000	127,500	127,500	127,500	30,600	20,400	10,200			
Worsley Spur Cost Share Area	360,000									
Other Works - growth and development		56,600	240,700	314,100	314,100					
Project Management	55,953	81,600	81,600	81,600	81,600					
Unallocated						632,400	646,700	660,000	650,700	650,700
Sub Total	1,219,953	546,200	602,800	676,200	579,300	652,800	656,900	660,000	650,700	650,700
New Assets (Recoverable)										
New C/Ns (Schedule) - 13mm	425,000	306,000	306,000	275,400	275,400					
New C/Ns (Schedule) - 19mm	5,000	5,100	5,100	5,100	5,100					
Invoiced Connections	75,000	96,900	96,900	91,800	91,800					
Rural Restricted C/ns	5,000	5,100	5,100	5,100	5,100					
Mains	3,000	3,100	3,100	3,100	3,100					
Submains	1,000	1,020	1,020	1,020	1,020					
Miscellaneous	0									
Geodata Services	48,695	40,800	40,800	40,800	40,800					
New Connection Administration	103,201	153,000	153,000	142,800	142,800					
Unallocated						700,800	705,000	709,400	713,800	713,800
Sub Total	665,896	611,020	611,020	565,120	565,120	700,800	705,000	709,400	713,800	713,800
TOTAL - WATER SUPPLY	2,403,727	1,535,520	1,593,620	1,588,620	1,492,220	1,781,100	1,792,300	1,801,800	1,800,000	1,811,400

9.2.91

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE									
BUSINESS UNIT:	CITY WATER AND WASTE									
OUTPUT CLASS:	CAPITAL OUTPUTS									

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Liquid Waste										
Reticulation										
Project Management	7,537	30,370	9,250	14,450	23,815	10,300	10,300	10,300	10,300	10,300
Contract Supervision (Ex Prof. Services)	117,600	117,600	117,600	117,600	117,600	117,600	117,600	117,600	117,600	117,600
Data Collection (Ex Prof. Services)	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300	13,300
McSaveney's Road		105,600								
Chaney's Rural Industrial Zone				104,000	291,300					
Islington	414,120	420,800								
Reticulation Odour Control	40,800									
New Mains Programme		0	104,000	104,000	104,000	104,000	104,000	104,000	104,000	104,000
Subdivisions Sewer Cost Share Contributions	50,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000
Pumping										
Treatment Works										
Composting Rag & Grit	150,000									
Sludge Dewatering - 2nd press	408,000									
Minor Plant	30,000	30,000	30,000	30,000	30,000	51,000	51,000	51,000	51,000	51,000
TOTAL - LIQUID WASTE	1,231,357	768,670	325,150	434,350	631,015	347,200	347,200	347,200	347,200	347,200
TOTAL INFRASTRUCTURAL ASSETS	3,635,084	2,304,190	1,918,770	2,022,970	2,123,235	2,128,300	2,139,500	2,149,000	2,147,200	2,158,600

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Fixed Assets										
Water Supply										
PAMS Database (WS) ex Geodata Services	87,385									
Water Supply - Network Model (Project Management)	26,037	19,900	19,900	19,900	19,900	19,900	19,900	19,900	19,900	19,900
Water Supply - Network Model (PAMs Interaction)	20,000			20,400			20,400			20,400
Liquid Waste										
Pumping										
Treatment Works										
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
Unallocated						30,000	30,000	30,000	30,000	30,000
Trade Waste										
Flow Recording Data Logger				15,600					15,600	
Isco sampling Machine (Additional)		8,400								
Laboratory										
Solid Waste										
New Canterbury Regional Landfill (Reprogrammed 01	1,071,000	964,900	772,100							
New Canterbury Regional Landfill Community Fund	0									
Host Council Communication Support Fund										
Recovered Materials Foundation (RMF)	102,000	200,000	104,000	104,000	104,000	104,000	104,000	104,000	104,000	104,000
Kerbside Recycling (Bins for population growth - note	13,668	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900
Replacement Bins p/yr is included in Operational Budget)										
New Initiatives (eg MRF)	30,000	30,000	30,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Start up Invesel Compost Plant	100,000	2,600,000	2,600,000	500,000						
Strategic Land Purchase Reserve	500,000	500,000	500,000							
Invesel Compost Plant - Transfer from Cost Centre(s)	65,778									
Support										
Equipment & Computer Software	50,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
TOTAL FIXED ASSETS	2,065,868	4,377,100	4,079,900	963,800	427,800	457,800	478,200	457,800	615,200	911,700
TOTAL NEW ASSETS	5,700,952	6,681,290	5,998,670	2,986,770	2,551,035	2,586,100	2,617,700	2,606,800	2,762,400	3,070,300

RESPONSIBLE COMMITTEE:	CITY SERVICES COMMITTEE
BUSINESS UNIT:	CITY WATER AND WASTE
OUTPUT CLASS:	CAPITAL OUTPUTS

Description	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
SUMMARY										
RENEWALS & REPLACEMENTS	7,322,882	8,179,331	9,501,740	9,539,290	8,720,240	9,152,690	8,453,340	8,391,290	10,877,179	9,855,839
ASSET IMPROVEMENTS	6,535,302	14,634,325	14,241,150	12,837,850	13,743,150	12,178,400	3,477,800	3,477,800	3,958,200	4,620,000
NEW ASSETS	5,700,952	6,681,290	5,998,670	2,986,770	2,551,035	2,586,100	2,617,700	2,606,800	2,762,400	3,070,300
TOTAL CITY WATER & WASTE	19,559,135	29,494,946	29,741,560	25,363,910	25,014,425	23,917,190	14,548,840	14,475,890	17,597,779	17,546,139
Annual Plan 2000/2001	21,983,882	21,198,020	22,767,995	27,422,955	24,855,370	24,890,487	23,238,715	13,842,632	13,883,923	16,711,454
<i>Variance</i>	-1,638,885	6,726,951	2,318,605	508,540	123,938	678,475	706,208	591,967	886,325	
<i>Cumulative Variance</i>	-1,638,885	5,088,066	7,406,671	7,915,211	8,039,149	8,717,624	9,423,832	10,015,799	10,902,124	
SUMMARY - INFRASTRUCTURAL ASSETS / FIXED ASSETS										
Water Supply										
RENEWALS & REPLACEMENTS	4,194,226	4,551,340	4,486,140	4,541,140	4,833,540	4,894,740	4,806,940	5,070,340	4,619,339	4,647,239
ASSET IMPROVEMENTS	357,039	260,250	270,450	270,450	439,150	209,000	209,000	209,000	209,000	209,000
NEW ASSETS	2,403,727	1,535,520	1,593,620	1,588,620	1,492,220	1,781,100	1,792,300	1,801,800	1,800,000	1,811,400
Total - Water Supply	6,954,992	6,347,110	6,350,210	6,400,210	6,764,910	6,884,840	6,808,240	7,081,140	6,628,339	6,667,639
Liquid Waste										
RENEWALS & REPLACEMENTS	2,573,176	3,033,991	3,691,000	3,692,050	3,638,500	3,639,550	2,672,000	2,599,550	2,753,500	2,862,600
ASSET IMPROVEMENTS	6,082,662	12,254,175	11,845,600	12,507,400	13,244,000	11,879,400	3,178,800	3,178,800	3,607,200	4,310,800
NEW ASSETS	1,231,357	768,670	325,150	434,350	631,015	347,200	347,200	347,200	347,200	347,200
Total - Liquid Waste	9,887,196	16,056,836	15,861,750	16,633,800	17,513,515	15,866,150	6,198,000	6,125,550	6,707,900	7,520,600
TOTAL INFRASTRUCTURAL ASSETS	16,842,187	22,403,946	22,211,960	23,034,010	24,278,425	22,750,990	13,006,240	13,206,690	13,336,239	14,188,239
TOTAL FIXED ASSETS	2,716,948	7,091,000	7,529,600	2,329,900	736,000	1,166,200	1,542,600	1,269,200	4,261,540	3,357,900
TOTAL CITY WATER & WASTE	19,559,135	29,494,946	29,741,560	25,363,910	25,014,425	23,917,190	14,548,840	14,475,890	17,597,779	17,546,139

RESPONSIBLE COMMITTEE:		CITY SERVICES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2000/2001 Present Charge (Inc. GST)	2000/2001 Ext Revenue from Present Charge (Excl GST)	2001/2002 Proposed Charge (Incl GST)	2001/2002 Projected Ext Revenue From Proposed Charge (Excl GST)	2001/2002 Projected Ext Revenue as a percentage of Total Cost	Notes
LIQUID WASTE						
Trade Wastes						
Annual Charges - for flow rate up to 5m ³ / day	Varies from \$130.50 p.a. to \$515.25 p.a.	\$200,000	Varies from \$130.50 p.a. to \$515.25 p.a.	\$200,000		
Quarterly Charges - for flow rate over 5m ³ / day						
Volume	\$0.32974/m3	\$1,200,000	\$0.32974/m3	\$1,200,000	100%	
Suspended Solids	\$0.21285/kg		\$0.22793/kg			
BOD	\$0.18360/kg		\$0.18405/kg			
Tanker Registrations	\$10/tanker p.a. \$13.50/m3	\$60,000	\$10/tanker p.a. \$13.50/m3	\$60,000	100.0%	100.0%
Recoveries General	actual costs	\$20,000	actual costs	\$20,000	100.0%	
Other Charges						
Sale of Energy	Varies according to tarriff	\$100,000	Varies according to tarriff	\$50,000	100.0%	
Miscellaneous Sales (Scrap etc)	varies	\$5,600	varies	\$5,600	N/A	
Sales of Carbon Dioxide (Forest Research Institute)		\$10,000		\$0	100.0%	
Sewer Lateral Recoveries		\$10,000		\$10,000	100.0%	
Acceptance of Airport Sewage		\$122,000		\$120,000	100.0%	
Acceptance of Selwyn District Sewage		\$95,800		\$96,000		
CWTP Capacity Upgrade Charge - Connection Fee	\$607.50 per connection	\$650,000	\$607.50 per connection	\$500,000	100.0%	
Pumping Stations Recovery		\$20,972		\$0		
Cattle Sales (01/02 Now Parks Unit)		\$140,360				
Cost Sharing Contributions		\$20,000		\$20,000		
Laboratory Services	Varies	\$59,653	Varies	\$41,747	100.00%	

RESPONSIBLE COMMITTEE:		CITY SERVICES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2000/2001 Present Charge (Inc. GST)	2000/2001 Ext Revenue from Present Charge (Excl GST)	2001/2002 Proposed Charge (Incl GST)	2001/2002 Projected Ext Revenue From Proposed Charge (Excl GST)	2001/2002 Projected Ext Revenue as a percentage of Total Cost	Notes
Hire of Equipment	Varies	\$4,000	Varies	\$4,000	100.00%	
Stormwater Inflow Recoveries		\$3,000		\$2,000		
Geodata - Sale of Plans	\$10.00/ A4 sheet	\$20,000	\$10.00/ A4 sheet	\$20,000	100.0%	
TOTAL LIQUID WASTE		\$2,741,385		\$2,349,347		
SOLID WASTE						
Refuse Bag & Other Charges						
Plastic Bags	\$0.90/bag	\$600,050	\$0.90/bag	\$600,050	100%	
Trailer Nets and Other	varies	\$3,000	varies	\$3,000		
Transfer Stations and the Landfill						
These facilities are self financing						
Transfer Stations Refuse						
Private vehicles - Refuse (now charged by weight) & revenue included in Commercial Revenue	\$59/tonne	\$2,118,220	\$73.25/tonne			(a)
Private vehicles -Rubble (now charged by weight) & revenue included in Commercial Revenue	\$35.80/tonne	\$228,625	\$35.80/tonne	\$175,020	100%	
Commercial (All vehicles minimum charge \$5/load) - figures include private vehicles	\$59.00/tonne \$5.00/load	\$6,717,829	\$73.25/tonne \$5.00/load	\$10,325,578	100%	
Landfill Direct						
Hardfill	\$23.40/tonne or \$35.80/tonne by hardfill type	\$10,148 \$219,230	\$23.40/tonne or \$35.80/tonne by hardfill type	\$254,575	100%	
Private vehicles - now charged by weight & revenue included in commercial revenue.	\$59.00/tonne	\$1,559	\$73.25/tonne			
Commercial Refuse - (figures include private vehicles)	\$59.00/tonne	\$815,702	\$73.25/tonne	\$1,045,788	100%	
Regional (Waimakariri DC)	\$33.90/tonne	\$385,183	\$33.90/tonne	\$391,726	100%	
Regional (Ashburton DC)	\$33.90/tonne	\$150,667	\$33.90/tonne	\$195,863	100%	

RESPONSIBLE COMMITTEE:		CITY SERVICES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2000/2001 Present Charge (Inc. GST)	2000/2001 Ext Revenue from Present Charge (Excl GST)	2001/2002 Proposed Charge (Incl GST)	2001/2002 Projected Ext Revenue From Proposed Charge (Excl GST)	2001/2002 Projected Ext Revenue as a percentage of Total Cost	Notes
Compost Facility						
Green Waste						
Cars and Station Wagons	\$3.00/vehicle	\$204,605	All vehicles charged by weight at \$44.00/t Car minimum :\$3.00 Trailer min : \$4.00	\$196,107		
Trailers (Single Axle up to 8ft by 4ft)	\$7.00/trailer	\$586,426		\$503,379		
Trailers (Dual Axle or larger 8ft by 4ft) or by weight	\$9.50/trailer \$19/tonne	\$31,861		\$43,911		
Mixed Load (at least 50% separated green)	\$40/tonne	\$108,382		\$60/tonne		
Commercial	\$19/tonne	\$209,422	\$44/tonne	\$513,410		
Commercial (Minimum charge)	\$4/load		\$4/load			
Compost Sales	Various	\$670,000	Bulk Sale \$2.50/cu m	\$52,250	75.6%	
Recycling						
Commercial Waste Reduction		\$100		\$100		
Domestic Composting		\$500		\$500		
Kerbside Recycling Crate Sales	\$8.50/crate	\$1,000	\$8.50/crate	\$500	100.0%	
TOTAL SOLID WASTE		\$13,062,509		\$14,301,757		

RESPONSIBLE COMMITTEE:		CITY SERVICES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2000/2001 Present Charge (Inc. GST)	2000/2001 Ext Revenue from Present Charge (Excl GST)	2001/2002 Proposed Charge (Incl GST)	2001/2002 Projected Ext Revenue From Proposed Charge (Excl GST)	2001/2002 Projected Ext Revenue as a percentage of Total Cost	Notes
WATER SUPPLY						
Water Applications						
Water Supply Connection Fees & charges - standard domestic	\$345 per unit	\$517,500	\$345 per unit	\$535,000	100.0%	
Commercial & Industrial Connection - Administration & Engineering fees	\$67.50 per conn	\$10,000	\$67.50 per conn	\$10,000	100.0%	
Supply Of Water						
Rural Restricted Water Supply	\$65 per Unit/annum	\$6,000	\$65 per Unit/annum	\$6,000	100.0%	
Water Consumption Charges	Pre-paid allowance based on one cubic metre for every 14c of water rate levied		Pre-paid allowance based on one cubic metre for every 27c of water rate levied		100.0%	
	Water used above allowance charged at 29c per Cu/M	\$1,550,000	Water used above allowance charged at 33c per Cu/M	\$1,290,000		
	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	100.0%	
Non Metered Fire Fighting Connection	\$100/pa.	\$45,000	\$100/pa.	\$45,000		
Landsdowne - Sale of Water	\$0.60 per Cu/M	\$20,000	\$0.60 per Cu/M	\$12,000	100.0%	
				\$0	100.0%	

RESPONSIBLE COMMITTEE:		CITY SERVICES COMMITTEE				
BUSINESS UNIT:		CITY WATER AND WASTE				
ACTIVITY:		FEES SCHEDULE				
Fees Description	2000/2001 Present Charge (Inc. GST)	2000/2001 Ext Revenue from Present Charge (Excl GST)	2001/2002 Proposed Charge (Incl GST)	2001/2002 Projected Ext Revenue From Proposed Charge (Excl GST)	2001/2002 Projected Ext Revenue as a percentage of Total Cost	Notes
RECOVERABLE EXPENDITURE						
New Sub-Mains/Connections - Cost Share		\$61,000		\$44,000		
Damage Recoveries		\$37,000		\$47,000		
Miscellaneous		\$10,000		\$5,000		
Upgrading Contributions		\$500,000		\$500,000		
Airport QA				\$0		
Workshop Services				\$0		
Landsdowne Scheme				\$20,000		
Commercial/Industrial Connections		\$110,000		\$75,000		
TOTAL WATER SUPPLY		\$2,871,500		\$2,594,000		
TOTAL CITY WATER & WASTE		\$18,675,394		19,245,104		
Note (a) The start of ramping the per tonnage tipping fee up to that required for the new regional landfill is introduced this year. This increase is being used to finance various aspects of the Council's Waste Management Plan such as kerbside recycling, Recovered materials Foundation operations, Compost Facilities, commercial waste minimisation, Recycling Centres, etc						