

9.2.0

*CITY WATER
& WASTE*

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| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | BUSINESS UNIT SUMMARY |

Overall Triple Bottom Line Objectives

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

Serving the Community By

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

Sustaining the Environment By

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

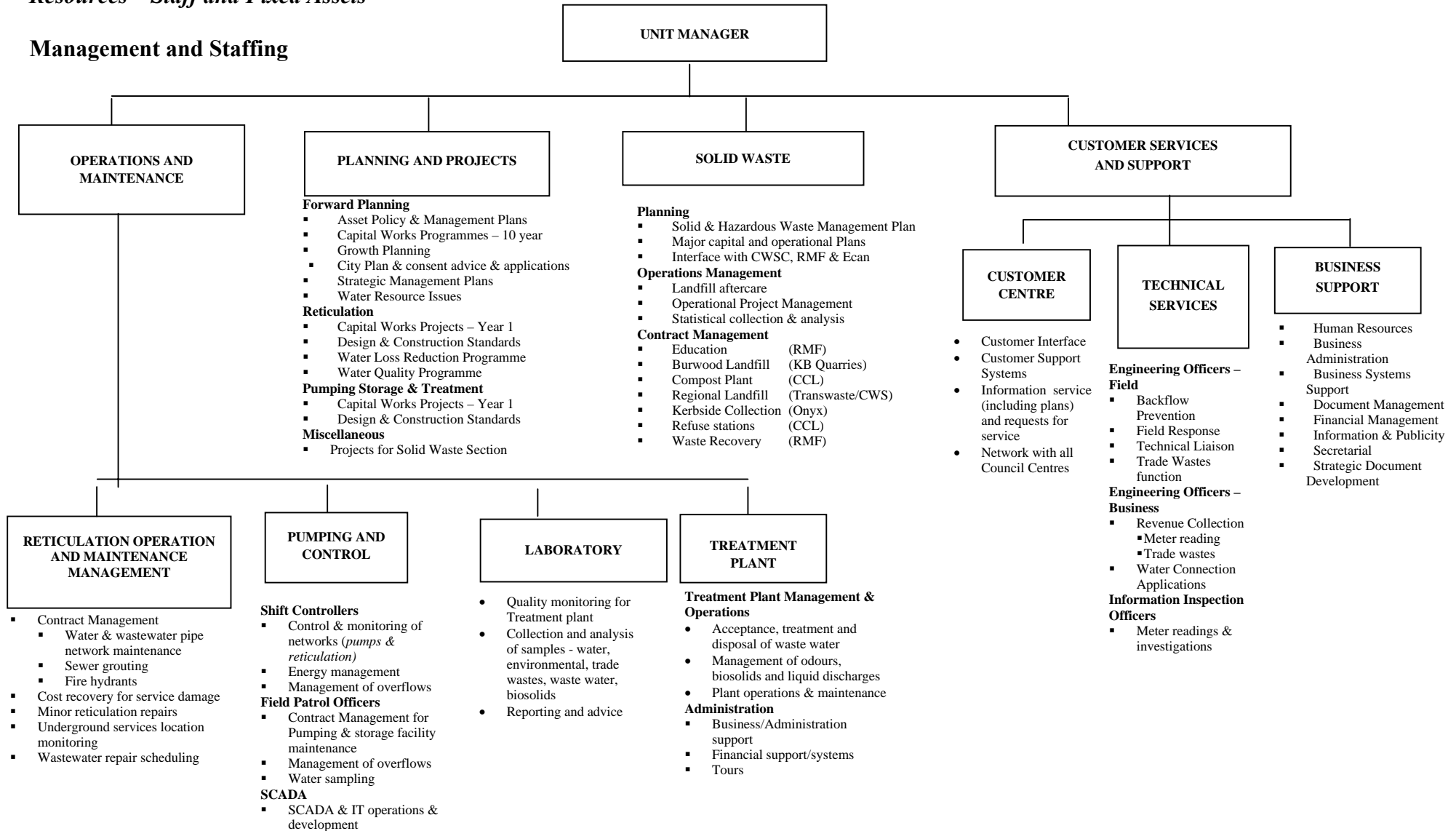
Providing Economic Value By

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

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Resources – Staff and Fixed Assets

Management and Staffing



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Fixed Assets

Water

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

Wastewater

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

Solid Waste

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

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Budget Summary

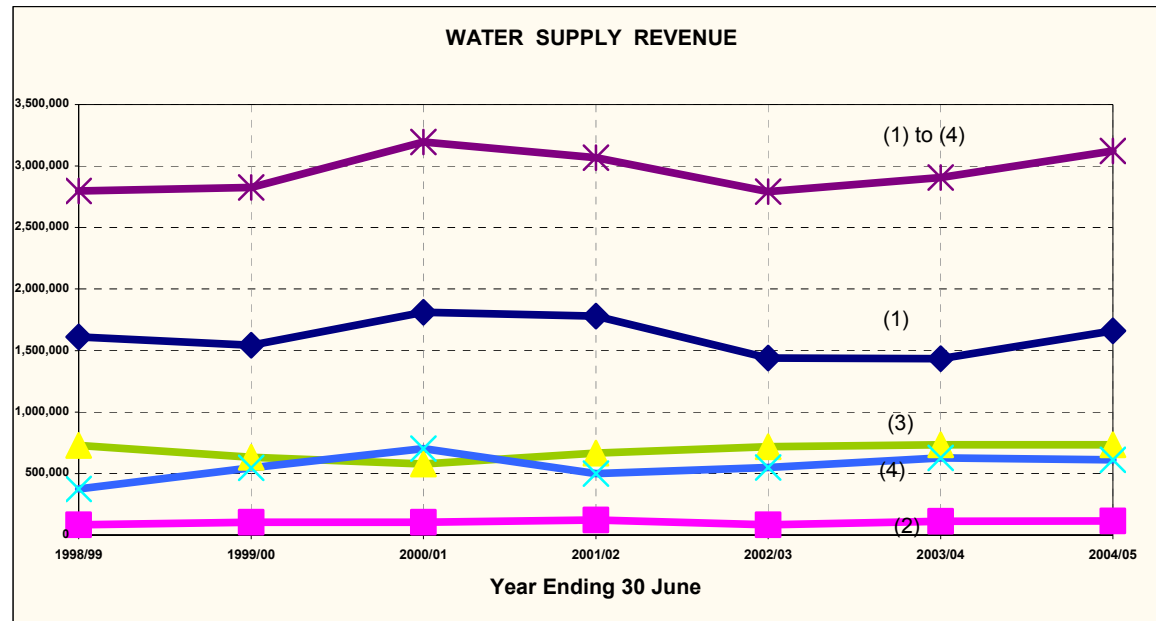
| | | | |
|----------------------------|--------------------|-----------------|-----------------------------|
| • Water Supply operational | gross cost \$14.0M | revenue \$3.2M | net cost (on rates) \$10.8M |
| • Water Supply capital | cost \$5.3M | | |
| • Wastewater operational | gross cost \$24.5M | revenue \$4.2M | net cost (on rates) \$20.3M |
| • Wastewater capital | cost \$15.9M | | |
| • Solid Waste operational | gross cost \$23.4M | revenue \$23.2M | net surplus \$0.2M |
| • Solid Waste capital | cost \$5.3M | | |

Future Projections

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

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Water Supply Revenue & Consumption Charge



Revenue

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

Consumption Charge*

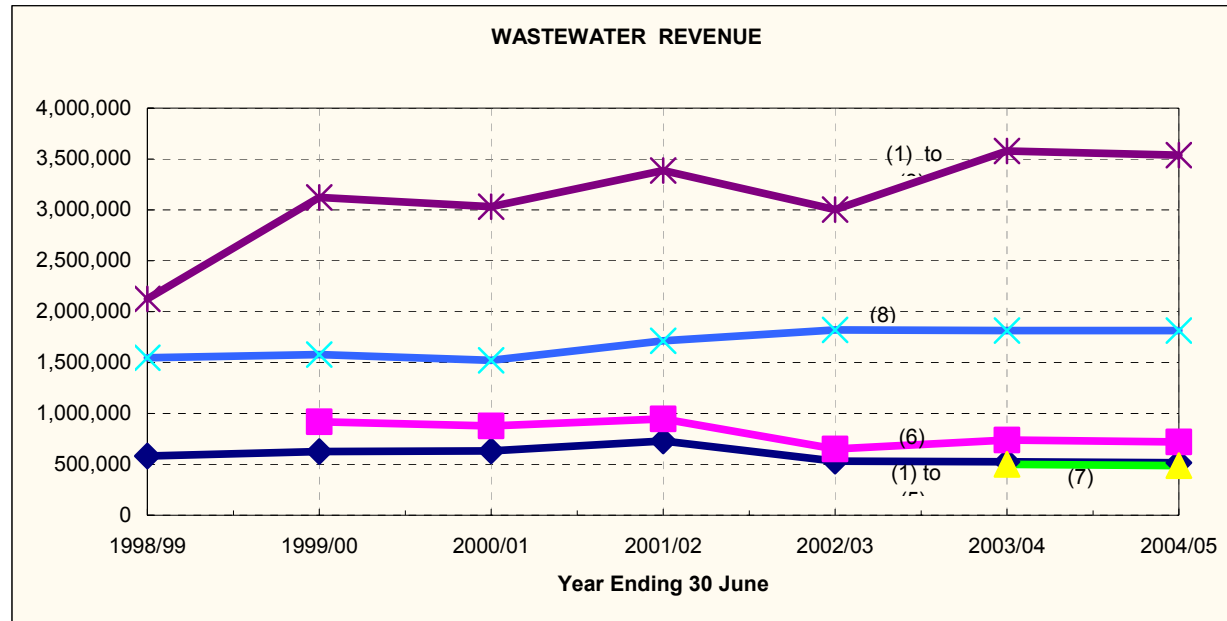
| 5-Year Average CuM | Expenditure Excluding GST \$ | Water Consumption Charge cents/CuM Including GST |
|--------------------|------------------------------|--|
| 51,000,000 | 11,991,000 | 26.45 |
| 49,200,000 | 13,251,000 | 30.30 |
| 49,616,000 | 12,767,000 | 28.95 |
| 49,300,000 | 13,187,000 | 30.09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

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

- (3) This fee is for water meter, valve, toby box costs etc.
(4) This fee is for capital infrastructure recovery costs

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Wastewater Revenue



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

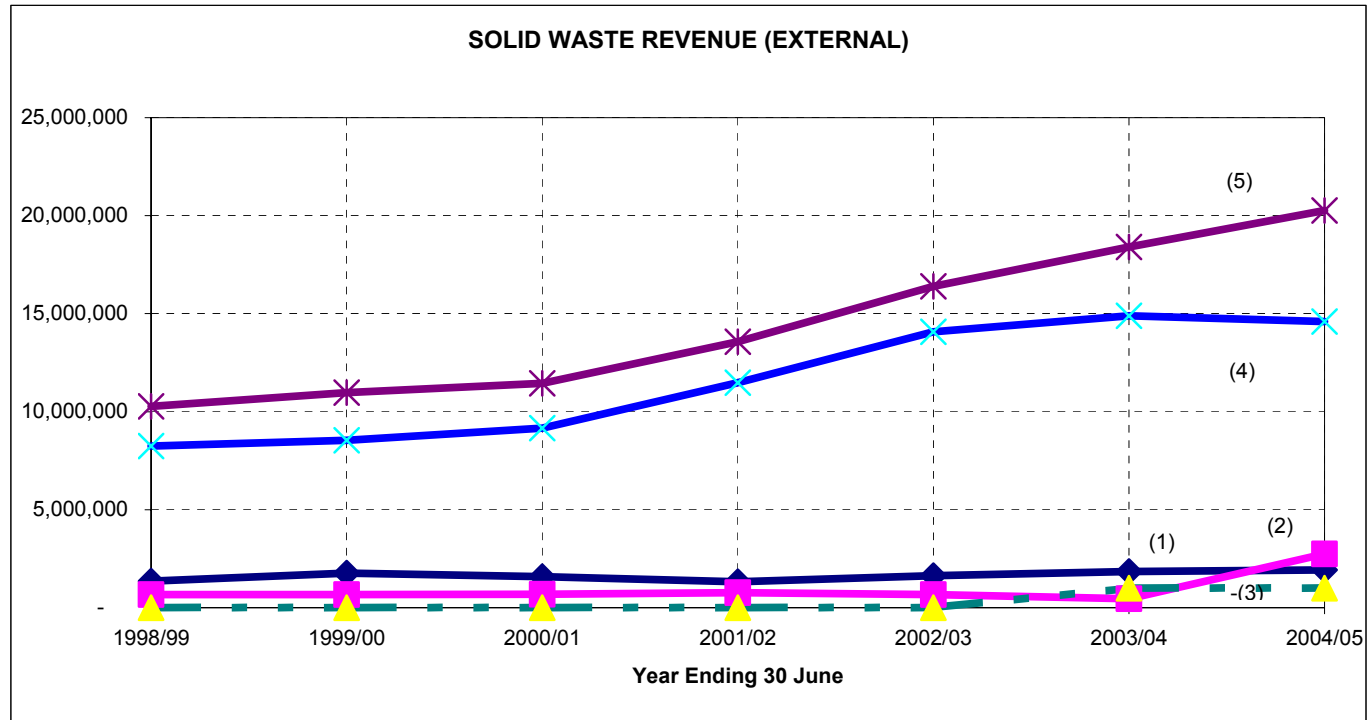
Notes:

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

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

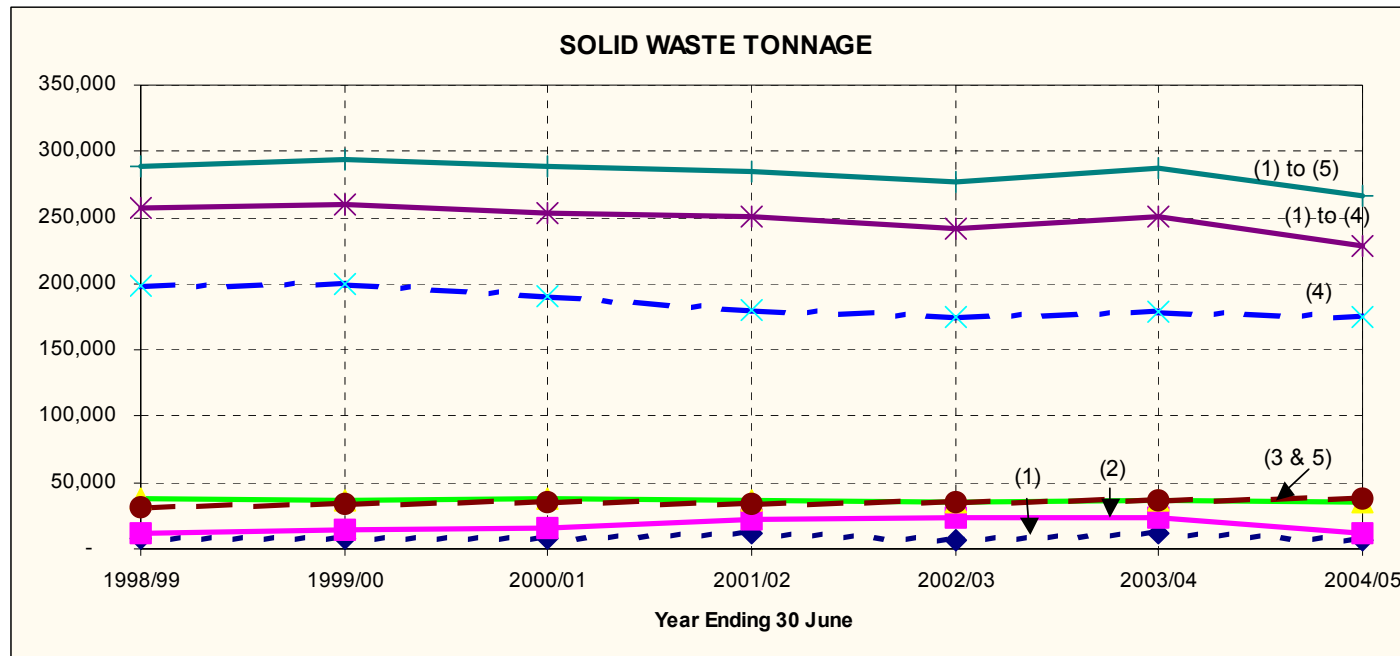
(6) & (7) These fees are for capital infrastructure recovery costs

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Solid Waste Revenue

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

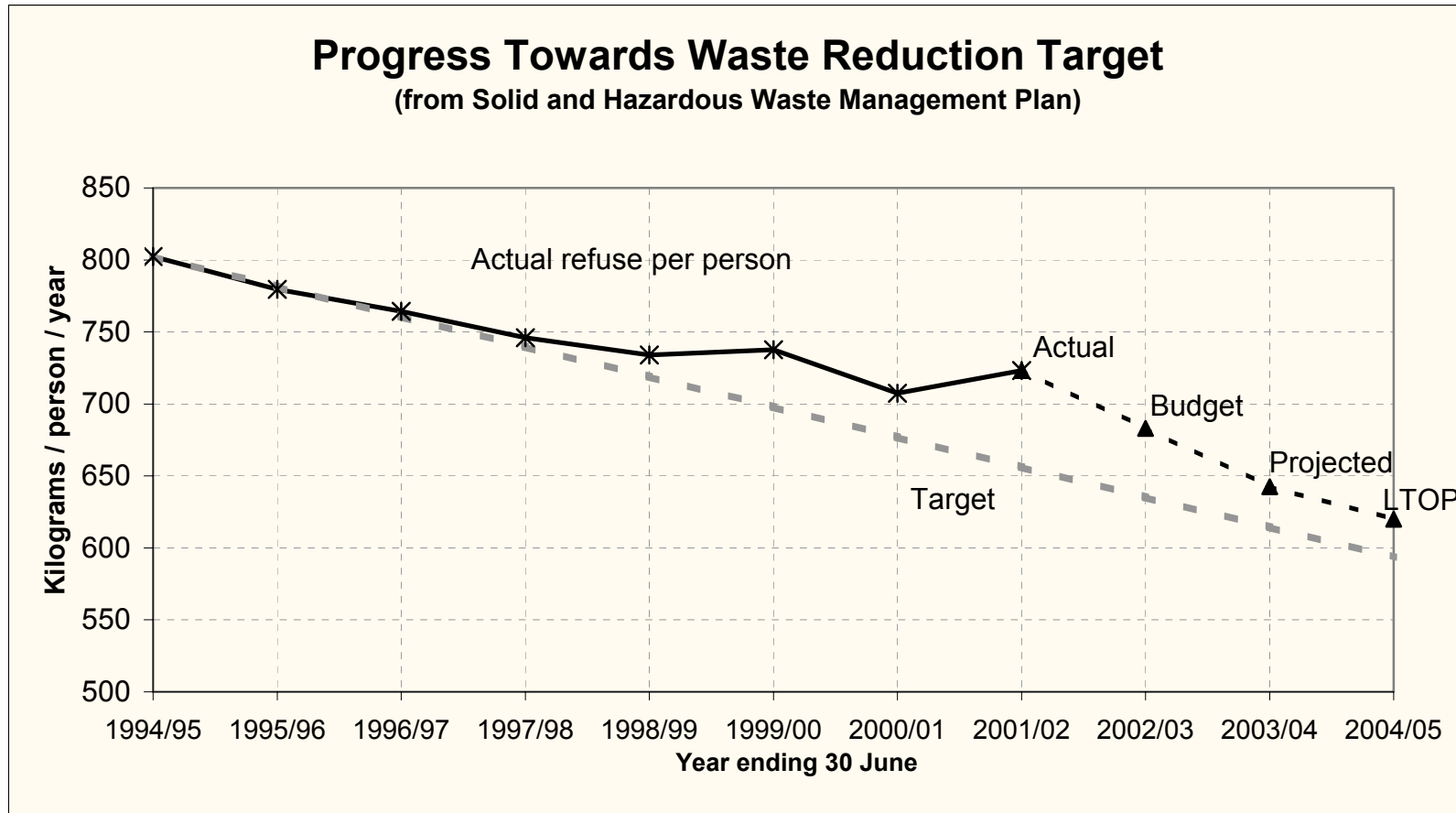
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Solid Waste*Refuse Tonnage*

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

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Reduction Goals



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

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Solid Waste

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

General Refuse

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

Proposed Charges (including GST)

| | |
|-----------|---------|
| Refuse: | 97.00/t |
| Hardfill: | 35.80/t |

Black Bag Collection

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

| | |
|---------|---------|
| Refuse: | 97.00/t |
|---------|---------|

Other Councils

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

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| Refuse: | 33.90/t |
|---------|---------|

Hardfill to Burwood

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

| | |
|-----------|---------|
| Hardfill: | 35.80/t |
|-----------|---------|

Green Waste

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

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| Green waste (60% of refuse fee) | 58.20/t |
|------------------------------------|---------|

Treated Hazardous Waste

Tonnages are included in the General Refuse.

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| | 119.50/t |
|--|----------|

Direct to Burwood Charges

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

| | |
|--|---------|
| | 65.00/t |
|--|---------|

Licensing Operators

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

| | |
|--|---------|
| | Various |
|--|---------|

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REVENUE SENSITIVITY ANALYSIS

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

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

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

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Notes

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

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

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

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

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

KEY CHANGES OPERATIONAL

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

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

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

| 2002/03 vs 2003/04 | \$000's | Note: () = Cost Saving or External Revenue Increase |
|---|----------------|--|
| Net Operating Plan City Water & Waste 2002/03 | 28,182 | (1) = Adjustment due to assessment of requirement for 2003/04 year versus previous year |
| Key Controllable Changes in 2003/04 Operating Plan | | |
| Total People and Training Cost Decreases | (33) | as scheduled below |
| Net Costs Savings/Revenue Increase Water Supply | (169) | as scheduled below |
| Net Cost Increases/Revenue Increase Wastewater | 155 | as scheduled below |
| Net Cost Savings/Revenue Increase Solid Waste | (2,345) | as scheduled below |
| Net Controllable Cost Savings/Revenue Increases | (2,392) | |
| Key Non-Controllable Changes in 2003/04 Operating Plan | | |
| Corporate & Financial Services Unit Overhead Allocation | (45) | |
| Christchurch City Council Rental Space & Storage Charges | 216 | Primarily Parkhouse Rd Transfer Station |
| Christchurch City Council Debt Servicing Costs | 73 | |
| ACC Levy & Work Accident Costs | 90 | |
| MIS Charges | (51) | |
| Depreciation | 6,285 | Straight Line Depreciation Method instead of LRARA |
| Insurance | (67) | |
| People time allocation to Operating instead of Capital | (96) | Estimated increase in capital activity vs operational activity |
| Burwood Landfill | 199 | Change in Accounting Policy relating to Landfill Aftercare Provision (no effect on rates requirement) |
| Net Non-Controllable Cost Increases/Revenue Increases | 6,604 | |
| Net Operating Plan City Water & Waste 2003/04 | 31,337 | |

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

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

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

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Key Changes

Committed Costs (Operating)

Water Supply (See previous table)

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

Wastewater (See previous table)

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

Solid Waste (See previous table)

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

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| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
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Committed Costs (Operating) approved by Council subsequent to the Council meeting of 16 July 2002

Water Supply

- Nil

Wastewater

- Nil

Solid Waste

- Reduction in revenue due to reduction in charges for direct loads to Burwood

| | |
|---|---------|
| - For 2003/04 | 879,300 |
| - For 2004/05 (based on Kate Valley opening end of February 2005) | 556,200 |

Increased Costs due to Increased Demand

Water Supply

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

Wastewater

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

Solid Waste

- Refuse and Kerbside Recycling City growth 80,000

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New Operating Initiatives

Water Supply

- Nil

Wastewater

- Nil

Solid Waste

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

Fee Changes

Water Supply

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

Wastewater

- Trade Waste charges under review

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Solid Waste

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

Table 1:

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

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

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

Note that the advantages of this Table 1 proposal are:

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

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Contributions towards the \$10M Net Rates Savings Targets

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

Water Supply

- Nil

Wastewater

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

Solid Waste

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

⁽¹⁾ Allowed for in the approved financial model projections.

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KEY CHANGES CAPITAL 10 YEAR

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

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

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

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

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

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| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
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| | 2003/2004 | 2004/2005 | 2005/2006 | 2006/2007 | 2007/2008 | 2008/2009 | 2009/2010 | 2010/2011 | 2011/2012 | Total |
|--|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Changes |
| Programme Changes for Ocean Outfall | | | | | | | | | | |
| Aeration Blower Engine Room | | | | | | | | -530,000 | | -530,000 |
| Liquid waste - Stage 2b Investigation | -265,000 | -265,000 | | | | | | | | -530,000 |
| Waste Water Treatment Plant UV Sterilisation | -7,959,000 | -7,959,000 | | | | | | | | -15,918,000 |
| CWTP Pond Modifications - (Green Edge) | -51,000 | -51,000 | -7,220,000 | -7,378,000 | 51,000 | 3,000,000 | 3,000,000 | 3,600,000 | | -5,629,000 |
| Ocean Pipeline consent and investigations | 600,000 | 600,000 | 400,000 | 400,000 | | | | | | 2,000,000 |
| Ocean Pipeline | | | | 20,000,000 | 25,000,000 | | | | | 45,000,000 |
| Total Changes due to Ocean Pipeline | -7,675,000 | -7,675,000 | -6,820,000 | 13,022,000 | 25,051,000 | 3,000,000 | 3,000,000 | 2,470,000 | | 24,393,000 |
| Solid Waste (1) | | | | | | | | | | |
| Refuse Station Modifications | -2,623,660 | 2,623,660 | | | | | | | | |
| Annual Difference Solid Waste | -2,623,660 | 2,623,660 | | | | | | | | |
| Cumulative Difference Solid Waste | -2,623,660 | 0 | | | | | | | | 0 |
| Total difference City Water and Waste (incl Ocean Pipeline) | -8,490,660 | -2,485,340 | -5,391,200 | 13,756,700 | 23,921,300 | 1,980,000 | 1,928,000 | 250,000 | -8,429,000 | 19,040,800 |
| Cumulative difference City Water and Waste (Inc Ocean Pipeline) | -8,490,660 | -10,975,000 | -16,366,200 | -2,609,500 | 21,311,800 | 23,291,800 | 27,219,800 | 27,469,800 | 19,040,800 | |

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

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

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

Matching Substitution

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

Wastewater

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

Solid Waste

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

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

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Capital Cost Increases > 2%

Water Supply

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

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

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Wastewater

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

Solid Waste

- Nil

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

Water Supply

- Nil

Wastewater

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

| | |
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| • Lifelines, brick barrel renewals – This budget item relates to the Blenheim Rd section of the Brick Barrel Sewer which is being replaced as part of the Southern Relief Diversion (infrastructural improvements). This 1.08M in part balances the additional 2.0M required in year 2 for the Randolph Street Pump Station (a related project). | -1,080,000 |
| • The proposed replacement of the National Engine at the CWTP (estimated 1.27M) has been delayed from years 1&2 to years 3&4 | -636,000 |
| • Brick building repairs (CWTP) delayed from year 1 to year 3 | -16,000 |
| • Replacement of Kelly Lewis pump at CWTP (estimated 257,000) delayed from years 1&2 to years 3&4 | -127,000 |
| • Delay replacement of “A” electrical Panel and display screen (CWTP) from year 1 to year 2 | -32,000 |
| • Delay replacement of raw sludge pump replacement (CWTP) from year 1 to year 3 | -159,000 |
| • Expansion of Christchurch Wastewater Treatment Plant – Bringing forward \$2.1M allowed for in years 2&3 to year 1 will allow completion of this expansion project | 2,184,000 |
| • Delay painting of Trickling Filter Cover from year 1 to year 2 | -21,000 |
| • Trunk Sewer Upgrading – 362,000 delayed to year 2 where it contributes to the 2.0M required for the Randolph Street Pump Station upgrade as described above in " <i>Capital Cost Increases</i> ". | -362,000 |
| • Pump Station A at CWTP, Header Manifold, 50,000 from this project brought forward from year 2 to allow completion on schedule | 50,000 |
| • Covering of biosolid lagoons – 1.085M brought forward from year 8 to year 1 due to odours caused by changes in digester loading | 1,085,000 |
| • Wastewater Treatment Plan UV Sterilisation -7,959,000 deleted from year 2003/04 | -7,959,000 |
| • CWTP Pond Modifications – Green Edge – This project has been delayed to commence year 5 in the Capital programme | -51,000 |
| | <u>-7,124,000</u> |
| Solid Waste | |
| • Part of the expenditure for refuse station modifications shifted from 2003/04 to 2004/05 | -2,623,660 |
| | <u>-9,747,660</u> |
| Total effect on 2003/04 Budget due to changes in timing of Capital Works | <u><u>-9,747,660</u></u> |

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

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

| Item | 1 2003/04 | 2 2004/05 | 3 2005/06 | 4 2006/07 | 5 2007/08 | 6 2008/09 | 7 2009/10 | 8 2010/11 | 9 2011/12 | 10 2012/13 | Totals |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------|
| Water Supply | | | | | | | | | | | |
| Replacement Mains | 1.247 | 1.247 | 1.425 | 1.425 | 1.425 | 1.782 | 1.782 | 1.782 | 2.138 | 2.138 | |
| Replacement Submains | 0.692 | 0.692 | 0.692 | 0.692 | 0.692 | | | | | | |
| Cashmere Reservoir Replacement | | | 0.515 | 0.535 | | | | | | | |
| New Mains Programme | | | | | 0.726 | | | 0.626 | 0.626 | | |
| New Pump Station Northern Area | | | | | | 0.700 | 0.700 | | | 0.700 | |
| New C/Ns (Schedule) – 13mm | 0.572 | | | | | | | | | | |
| Unallocated | | | | | | 0.572 | 0.557 | 0.542 | 0.528 | 0.515 | |
| Fitzgerald Pump Station | 0.500 | | | | | | | | | | |
| Wastewater | | | | | | | | | | | |
| Sewer Renewal - City Wide | 1.610 | 1.760 | 1.760 | 1.760 | 1.760 | 1.760 | 1.760 | 1.760 | 1.760 | 1.760 | |
| Sewer Grouting Contract | 0.662 | | | | | | | | | | |
| Lifelines, Brickbarrel Renewals | | 0.580 | 1.080 | 1.080 | | | | | | | |
| Pre-aeration Tank Covers | | | | | | | | | | 0.600 | |
| National Engine Replacement | | | 0.637 | 0.637 | | | | | | | |
| Belt Press Replacement | | | | | | | 0.758 | | | | |
| Treatment Plant Equipment Various | | | | | | | 2.032 | | | | |
| Allen Engine Replacement | | | | | | | | | 1.632 | | |
| P/stn No. 11 Pressure Main Upgrading | 2.300 | 1.200 | | | | | | | | | |
| Fisher Ave to PS20 Trunk | | 1.400 | | | | | | | | | |
| Northern Relief | | | | | | | 0.800 | | | | |
| Grassmere storage | | | | | | | 1.000 | 0.500 | | | |
| Maidstone Storage | | | | | | | | | 1.960 | | |
| Wigram Augmentation | | | | | | | 0.720 | 1.780 | | | |
| Riccarton Interceptor | | | | | | | | 0.800 | 1.125 | | |
| Southern relief improvement | | | 3.138 | 3.084 | 3.084 | 3.084 | 0.500 | | | 3.084 | |
| P/stn 11 Major Upgrade | 2.200 | 2.000 | | | | | | | | | |
| Belfast WWTP Upgrade | | | | | 1.624 | 1.624 | | | | | |
| Expansion of CWTP | 4.250 | | | | | | | | | | |
| CWTP Pond Modifications - (Green Edge) | | | | | | 3.000 | 3.000 | 3.000 | | | |

9.2.xxx

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | BUSINESS UNIT SUMMARY |

| Item | 1 2003/04 | 2 2004/05 | 3 2005/06 | 4 2006/07 | 5 2007/08 | 6 2008/09 | 7 2009/10 | 8 2010/11 | 9 2011/12 | 10 2012/13 | Totals |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Header Manifold - Modifications | | 0.500 | | | | | | | | | |
| Cover Sludge Lagoons/Replacement | 1.085 | | | | | | | | | | |
| 5 th & 6 th Digester | 1.000 | 3.000 | 2.000 | | | | | | | | |
| Third Sludge Thickening Machine | | | | | | | | 0.408 | | | |
| Ocean Pipeline Consents & Investigations | 0.600 | 0.600 | 0.400 | 0.400 | | | | | | | |
| Ocean Pipeline | | | | 20.000 | 25.000 | | | | | | |
| Solid Waste | | | | | | | | | | | |
| Refuse Stations Modifications to accommodate new vehicles | 1.118 | 3.531 | | | | | | | | | |
| New Canterbury Regional Landfill | 0.400 | | | | | | | | | | |
| Start up In vessel Compost Plant | 2.894 | 2.894 | 0.500 | | | | | | | | |
| Closed Landfill Aftercare – Burwood Stages 2C, 2D | | 0.702 | 0.538 | | | | | | | | |
| RMF | 0.500 | | | | | | | | | | |
| Total of Items Greater than 0.5m | 21.640 | 20.106 | 12.685 | 29.613 | 34.311 | 12.522 | 13.609 | 11.198 | 9.769 | 8.795 | 174.248 |
| Variations Year to Year | | -1.534 | -7.421 | 16.928 | 4.698 | -21.789 | 1.087 | -2.411 | -1.429 | -0.974 | |
| Total City Water & Waste Budget | 26.358 | 25.611 | 17.776 | 34.863 | 39.894 | 16.858 | 18.929 | 17.191 | 15.458 | 13.805 | 226.743 |
| Variations Year to Year | | -0.747 | -7.835 | 17.087 | 5.031 | -23.36 | 2.071 | -1.738 | -1.733 | -1.653 | |

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|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | BUSINESS UNIT SUMMARY |

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

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

Water Supply

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

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | BUSINESS UNIT SUMMARY |

Wastewater

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

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | BUSINESS UNIT SUMMARY |

Solid Waste

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

9.2.1

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

| NET COST SUMMARY | | 2002/2003 | 2003/2004 |
|---------------------------------|-------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| WATER SUPPLY | | | |
| OPERATIONS REVENUE | Page 9.2.7 | (830,138) | (1,064,978) |
| INFORMATION AND ADVICE | Page 9.2.8 | 604,395 | 705,185 |
| PLANNING | Page 9.2.9 | 1,232,393 | 1,074,184 |
| SUPPLY OF WATER | Page 9.2.11 | 10,984,207 | 11,480,351 |
| CAPITAL WORKS REVENUE | Page 9.2.12 | (1,268,000) | (1,361,250) |
| | | ----- | ----- |
| | | 10,722,857 | 10,833,492 |
| WASTEWATER | | | |
| OPERATIONS REVENUE | Page 9.2.16 | (1,688,433) | (2,229,610) |
| INFORMATION AND ADVICE | Page 9.2.17 | 147,710 | 178,883 |
| PLANNING | Page 9.2.18 | 975,178 | 995,141 |
| COLLECTION | Page 9.2.20 | 9,321,630 | 14,454,308 |
| TREATMENT & DISPOSAL | Page 9.2.22 | 7,846,372 | 8,146,349 |
| LABORATORY | Page 9.2.23 | 25,000 | 25,000 |
| CAPITAL WORKS REVENUE | Page 9.2.24 | (670,000) | (1,258,000) |
| | | ----- | ----- |
| | | 15,957,457 | 20,312,071 |
| SOLID WASTE | | | |
| INFORMATION AND ADVICE | Page 9.2.33 | 290,385 | 268,651 |
| PLANNING | Page 9.2.34 | 341,093 | 319,310 |
| REDUCTION | Page 9.2.35 | 512,069 | 406,432 |
| REUSE | Page 9.2.36 | 159,356 | 6,577 |
| RECYCLING | Page 9.2.39 | 3,637,282 | 3,024,483 |
| RESOURCE RECOVERY | Page 9.2.40 | 320,725 | 43,297 |
| RESIDUE DISPOSAL | Page 9.2.46 | 5,396,490 | 7,123,491 |
| WASTE MINIMISATION REVENUE | Page 9.2.47 | (9,155,901) | (11,000,325) |
| | | ----- | ----- |
| | | 1,501,498 | 191,914 |
| | | ----- | ----- |
| TOTAL NET COST | | 28,181,812 | 31,337,478 |
| COST OF CAPITAL EMPLOYED | | 34,639,721 | 35,807,085 |
| CAPITAL OUTPUTS | | | |
| INFRASTRUCTURAL ASSETS | | 20,970,401 | 20,675,006 |
| FIXED ASSETS | | 1,860,352 | 5,844,980 |
| | | ----- | ----- |
| | | 22,830,753 | 26,519,987 |
| | | ===== | ===== |

9.2.2

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

| OUTPUT CLASS EXPENDITURE | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---------------------------------|-------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| WATER SUPPLY | | | |
| OPERATIONS REVENUE | Page 9.2.7 | 819,862 | 605,022 |
| INFORMATION AND ADVICE | Page 9.2.8 | 604,395 | 705,185 |
| PLANNING | Page 9.2.9 | 1,232,393 | 1,074,184 |
| SUPPLY OF WATER | Page 9.2.11 | 11,097,207 | 11,608,351 |
| CAPITAL WORKS REVENUE | Page 9.2.12 | 0 | 0 |
| | | ----- | ----- |
| | | 13,753,857 | 13,992,742 |
| WASTEWATER | | | |
| OPERATIONS REVENUE | Page 9.2.16 | 347,567 | 290,390 |
| INFORMATION AND ADVICE | Page 9.2.17 | 167,710 | 198,883 |
| PLANNING | Page 9.2.18 | 975,178 | 995,141 |
| COLLECTION | Page 9.2.20 | 9,368,630 | 14,501,308 |
| TREATMENT & DISPOSAL | Page 9.2.22 | 8,063,972 | 8,367,349 |
| LABORATORY | Page 9.2.23 | 149,627 | 157,448 |
| CAPITAL WORKS REVENUE | Page 9.2.24 | 0 | 0 |
| | | ----- | ----- |
| | | 19,072,684 | 24,510,519 |
| SOLID WASTE | | | |
| INFORMATION AND ADVICE | Page 9.2.33 | 290,385 | 268,651 |
| PLANNING | Page 9.2.34 | 341,093 | 319,310 |
| REDUCTION | Page 9.2.35 | 512,169 | 406,432 |
| REUSE | Page 9.2.36 | 159,356 | 6,577 |
| RECYCLING | Page 9.2.39 | 4,118,782 | 3,782,083 |
| RESOURCE RECOVERY | Page 9.2.40 | 2,008,178 | 1,799,902 |
| RESIDUE DISPOSAL | Page 9.2.46 | 14,307,145 | 16,747,286 |
| WASTE MINIMISATION REVENUE | Page 9.2.47 | 0 | 100,000 |
| | | ----- | ----- |
| | | 21,737,107 | 23,430,239 |
| | | ----- | ----- |
| TOTAL COST | | 54,563,648 | 61,933,501 |
| | | ===== | ===== |

9.2.3

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

| OUTPUT CLASS REVENUE | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|-----------------------------|-------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| WATER SUPPLY | | | |
| OPERATIONS REVENUE | Page 9.2.7 | 1,650,000 | 1,670,000 |
| INFORMATION AND ADVICE | Page 9.2.8 | 0 | 0 |
| PLANNING | Page 9.2.9 | 0 | 0 |
| SUPPLY OF WATER | Page 9.2.11 | 113,000 | 128,000 |
| CAPITAL WORKS REVENUE | Page 9.2.12 | 1,268,000 | 1,361,250 |
| | | <hr/> | <hr/> |
| | | 3,031,000 | 3,159,250 |
| WASTEWATER | | | |
| OPERATIONS REVENUE | Page 9.2.16 | 2,036,000 | 2,520,000 |
| INFORMATION AND ADVICE | Page 9.2.17 | 20,000 | 20,000 |
| PLANNING | Page 9.2.18 | 0 | 0 |
| COLLECTION | Page 9.2.20 | 47,000 | 47,000 |
| TREATMENT & DISPOSAL | Page 9.2.22 | 217,600 | 221,000 |
| LABORATORY | Page 9.2.23 | 124,627 | 132,448 |
| CAPITAL WORKS REVENUE | Page 9.2.24 | 670,000 | 1,258,000 |
| | | <hr/> | <hr/> |
| | | 3,115,227 | 4,198,448 |
| SOLID WASTE | | | |
| INFORMATION AND ADVICE | Page 9.2.33 | 0 | 0 |
| PLANNING | Page 9.2.34 | 0 | 0 |
| REDUCTION | Page 9.2.35 | 100 | 0 |
| REUSE | Page 9.2.36 | 0 | 0 |
| RECYCLING | Page 9.2.39 | 481,500 | 757,600 |
| RESOURCE RECOVERY | Page 9.2.40 | 1,687,453 | 1,756,605 |
| RESIDUE DISPOSAL | Page 9.2.46 | 8,910,655 | 9,623,795 |
| WASTE MINIMISATION REVENUE | Page 9.2.47 | 9,155,901 | 11,100,325 |
| | | <hr/> | <hr/> |
| | | 20,235,609 | 23,238,325 |
| TOTAL REVENUE | | <hr/> | <hr/> |
| | | 26,381,836 | 30,596,023 |
| NET COST | | <hr/> | <hr/> |
| | | 28,181,812 | 31,337,478 |

Note: The provision in the 2003/2004 budget for the transfer to the Burwood Landfill Stage 2C Aftercare special fund is \$763,500 (refer above).

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | WATER SUPPLY – OUTPUT SUMMARY |

OVERALL WATER SUPPLY

Description

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

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

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

| | | 2002/2003 | 2003/2004 |
|--|-------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| NET COST SUMMARY - WATER SUPPLY | | | |
| OPERATIONS REVENUE - WATER SUPPLY | | | |
| Water Billing And Monitoring | Page 9.2.7 | -830,138 | -1,064,978 |
| | | ----- | ----- |
| | | -830,138 | -1,064,978 |
| INFORMATION AND ADVICE - WATER SUPPLY | | | |
| Information And Advice | Page 9.2.8 | 604,395 | 705,185 |
| | | ----- | ----- |
| | | 604,395 | 705,185 |
| PLANNING - WATER SUPPLY | | | |
| Planning | Page 9.2.9 | 1,232,393 | 1,074,184 |
| | | ----- | ----- |
| | | 1,232,393 | 1,074,184 |
| SUPPLY OF WATER - WATER SUPPLY | | | |
| Headworks | Page 9.2.10 | 4,942,915 | 4,691,449 |
| Reticulation | Page 9.2.11 | 6,041,291 | 6,788,902 |
| | | ----- | ----- |
| | | 10,984,207 | 11,480,351 |
| CAPITAL WORKS REVENUE - WATER SUPPLY | | | |
| Capital Works Revenue | Page 9.2.12 | -1,268,000 | -1,361,250 |
| | | ----- | ----- |
| | | -1,268,000 | -1,361,250 |
| NET COST | | | |
| | | ===== | ===== |
| | | 10,722,857 | 10,833,492 |

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

| | | 2002/2003 | 2003/2004 |
|--|-------------|-------------------|-------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| OUTPUT CLASS EXPENDITURE - WATER SUPPLY | | | |
| OPERATIONS REVENUE - WATER SUPPLY | | | |
| Water Billing And Monitoring | Page 9.2.7 | 819,862 | 605,022 |
| | | ----- | ----- |
| | | 819,862 | 605,022 |
| INFORMATION AND ADVICE - WATER SUPPLY | | | |
| Information And Advice | Page 9.2.8 | 604,395 | 705,185 |
| | | ----- | ----- |
| | | 604,395 | 705,185 |
| PLANNING - WATER SUPPLY | | | |
| Planning | Page 9.2.9 | 1,232,393 | 1,074,184 |
| | | ----- | ----- |
| | | 1,232,393 | 1,074,184 |
| SUPPLY OF WATER - WATER SUPPLY | | | |
| Headworks | Page 9.2.10 | 4,942,915 | 4,691,449 |
| Reticulation | Page 9.2.11 | 6,154,291 | 6,916,902 |
| | | ----- | ----- |
| | | 11,097,207 | 11,608,351 |
| CAPITAL WORKS REVENUE - WATER SUPPLY | | | |
| Capital Works Revenue | Page 9.2.12 | | |
| | | ----- | ----- |
| | | 0 | 0 |
| | | ----- | ----- |
| TOTAL EXPENDITURE - WATER SUPPLY | | 13,753,857 | 13,992,742 |
| | | ----- | ----- |

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

| OUTPUT CLASS RECOVERIES AND REVENUES - WATER SUPPLY | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|--|-------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| OPERATIONS REVENUE - WATER SUPPLY | | | |
| Water Billing And Monitoring | Page 9.2.7 | 1,650,000 | 1,670,000 |
| | | ----- | ----- |
| | | 1,650,000 | 1,670,000 |
| INFORMATION AND ADVICE - WATER SUPPLY | | | |
| Information And Advice | Page 9.2.8 | 0 | 0 |
| | | ----- | ----- |
| | | 0 | 0 |
| PLANNING - WATER SUPPLY | | | |
| Planning | Page 9.2.9 | | |
| | | ----- | ----- |
| | | 0 | 0 |
| SUPPLY OF WATER - WATER SUPPLY | | | |
| Headworks | Page 9.2.10 | 0 | 0 |
| Reticulation | Page 9.2.11 | 113,000 | 128,000 |
| | | ----- | ----- |
| | | 113,000 | 128,000 |
| CAPITAL WORKS REVENUE - WATER SUPPLY | | | |
| Capital Works Revenue | Page 9.2.12 | 1,268,000 | 1,361,250 |
| | | ----- | ----- |
| | | 1,268,000 | 1,361,250 |
| TOTAL RECOVERIES AND REVENUE - WATER SUPPLY | | ----- | ----- |
| | | 3,031,000 | 3,159,250 |
| TOTAL NET EXPENDITURE - WATER SUPPLY | | ----- | ----- |
| | | 10,722,857 | 10,833,492 |
| | | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | OPERATIONS REVENUE – WATER SUPPLY |

OUTPUT : WATER BILLING & MONITORING

Description

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

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

9.2.7

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

| OUTPUT : WATER BILLING AND MONITORING | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| | \$ | \$ |
| DIRECT COSTS | | |
| Data Processing | 7,000 | 4,672 |
| | ----- | ----- |
| | 7,000 | 4,672 |
| ALLOCATED COSTS | | |
| Alloc O/head - Financial Services | 355,137 | 308,374 |
| Transfer from Allocated Holding Accounts (5.37)% 3.39% | 437,988 | 276,266 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 19,737 | 15,710 |
| | ----- | ----- |
| TOTAL ALLOCATED COSTS | 812,862 | 600,350 |
| | ----- | ----- |
| TOTAL COSTS | 819,862 | 605,022 |
| REVENUE | | |
| External Revenue | 1,440,000 | 1,433,000 |
| Internal Recoveries | 210,000 | 237,000 |
| | ----- | ----- |
| TOTAL REVENUE - SALE OF WATER | 1,650,000 | 1,670,000 |
| | ----- | ----- |
| TOTAL NET COST - WATER BILLING AND MONITORING | -830,138 | -1,064,978 |
| | ===== | ===== |
| TOTAL NET COST OPERATIONS REVENUE - WATER SUPPLY | -830,138 | -1,064,978 |
| | ===== | ===== |

9.2.text.8.i

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | INFORMATION & ADVICE – WATER SUPPLY |

OUTPUT : INFORMATION & ADVICE

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

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | INFORMATION & ADVICE – WATER SUPPLY |

OUTPUT : INFORMATION & ADVICE (CONTD)

Description

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

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

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | INFORMATION & ADVICE – WATER SUPPLY |

OUTPUT : INFORMATION & ADVICE (CONTD)

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

9.2.8

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

| OUTPUT : INFORMATION AND ADVICE | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| | \$ | \$ |
| DIRECT COSTS | | |
| Education Programme | 165,000 | 165,000 |
| Statutory Compliance (Bylaws) | 92,000 | 80,000 |
| | ----- | ----- |
| | 257,000 | 245,000 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (4.05)% 5.46% | 330,689 | 444,616 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 16,707 | 15,569 |
| | ----- | ----- |
| TOTAL ALLOCATED COSTS | 347,395 | 460,185 |
| | ----- | ----- |
| TOTAL COSTS | 604,395 | 705,185 |
| REVENUE | | |
| External Revenue | | |
| Internal Recoveries | | |
| | ----- | ----- |
| TOTAL REVENUE | 0 | 0 |
| | ----- | ----- |
| TOTAL NET COST - INFORMATION AND ADVICE | 604,395 | 705,185 |
| | ===== | ===== |
| TOTAL NET COST INFORMATION AND ADVICE - WATER SUPPLY | 604,395 | 705,185 |
| | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | PLANNING – WATER SUPPLY |

OUTPUT : PLANNING

Description

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

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

9.2.9

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

| OUTPUT : PLANNING | | | | 2002/2003 | 2003/2004 |
|---|---------|-------|--|------------------|------------------|
| | | | | BUDGET | BUDGET |
| | | | | \$ | \$ |
| DIRECT COSTS | | | | | |
| Advanced Planning | | | | 108,000 | 88,000 |
| Consents Internal | | | | 36,448 | 29,861 |
| Asset Management - Professional Fees | | | | 152,000 | 132,000 |
| Water loss reduction | | | | 120,000 | 140,000 |
| Secure Groundwater | | | | 75,000 | 40,000 |
| Water Supply Bench Marking | | | | 9,000 | 9,000 |
| Other Costs | | | | 179,137 | 143,246 |
| | | | | ----- | ----- |
| | | | | 679,585 | 582,107 |
| ALLOCATED COSTS | | | | | |
| Transfer from Allocated Holding Accounts | (6.51)% | 5.66% | | 531,004 | 460,330 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | | | 21,804 | 31,747 |
| | | | | ----- | ----- |
| TOTAL ALLOCATED COSTS | | | | 552,808 | 492,077 |
| | | | | ----- | ----- |
| TOTAL COSTS | | | | 1,232,393 | 1,074,184 |
| REVENUE | | | | | |
| | | | | ----- | ----- |
| TOTAL NET COST - PLANNING | | | | 1,232,393 | 1,074,184 |
| | | | | ===== | ===== |
| TOTAL NET COST PLANNING - WATER SUPPLY | | | | 1,232,393 | 1,074,184 |
| | | | | ===== | ===== |

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

OUTPUT : HEADWORKS

Description

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

| Objectives for 2003/04 | Performance Indicators | TBL Category |
|---|--|---|
| 1. To ensure supply of suitable potable water into the reticulation is reliably and continuously matched at all times with total customer demand. | <ul style="list-style-type: none"> Number of unplanned headworks shutdowns resulting in loss of supply to customers for longer than four hours (Target: nil). Number of unplanned headworks shutdowns resulting in loss of supply to customers of less than four hours (Target: less than 5 per year). Number of planned shutdowns which result of loss of supply to customers (Target: less than 5 per year). That maintenance work set out in the Asset Management Plan and other documents is undertaken. Unsatisfactory water quality incidents resulting from substandard maintenance and operating practices (Target: nil). | Social Social Social Financial Social |
| 2. To ensure headworks facilities are operated within the conditions set out in required consents. | <ul style="list-style-type: none"> That all monitoring and reporting required by consents for the operation of the facilities is complied with, with no penalties or fines. | Environmental |

9.2.10

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

| OUTPUT : HEADWORKS | 2002/2003 | 2003/2004 |
|--|------------------|------------------|
| | BUDGET | BUDGET |
| | \$ | \$ |
| DIRECT COSTS | | |
| Control & Operations | 1,926,500 | 1,943,500 |
| Maintenance | 1,029,717 | 921,067 |
| Insurance | 109,221 | 53,323 |
| | ----- | ----- |
| | 3,065,438 | 2,917,890 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (8.33)% 8.35% | 679,551 | 679,213 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 124,347 | 127,331 |
| Depreciation | 958,760 | 800,000 |
| Asset Write offs Due To Replacement | 100,000 | 150,000 |
| Debt Servicing | 14,819 | 17,015 |
| | ----- | ----- |
| TOTAL ALLOCATED COSTS | 1,877,477 | 1,773,559 |
| | ----- | ----- |
| TOTAL COSTS | 4,942,915 | 4,691,449 |
| EXTERNAL REVENUE | | |
| INTERNAL RECOVERIES | | |
| | ----- | ----- |
| TOTAL REVENUE | 0 | 0 |
| | ----- | ----- |
| TOTAL NET COST - HEADWORKS | 4,942,915 | 4,691,449 |
| | ===== | ===== |

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

OUTPUT : RETICULATION

Description

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

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

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

| OUTPUT : RETICULATION | 2002/2003 BUDGET | 2003/2004 BUDGET |
|--|-----------------------------|-----------------------------|
| | \$ | \$ |
| DIRECT COSTS | | |
| Contract Services | 70,000 | 105,000 |
| Maintenance | 1,510,000 | 1,510,000 |
| Rates - Water Infrastructure | 658,078 | 632,800 |
| | ----- | ----- |
| TOTAL DIRECT COSTS | 2,238,078 | 2,247,800 |
| ALLOCATED COSTS | | |
| Plan Update - Geodata Charges | 9,344 | 0 |
| Transfer from Allocated Holding Accounts (3.13)% 5.42% | 255,186 | 441,129 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 173,892 | 157,764 |
| Depreciation | 3,138,500 | 3,500,000 |
| Asset Write off Due to Replacement | 300,000 | 500,000 |
| Debt Servicing | 39,291 | 70,209 |
| | ----- | ----- |
| | 3,916,213 | 4,669,102 |
| | ----- | ----- |
| TOTAL COSTS - RETICULATION | 6,154,291 | 6,916,902 |
| REVENUE | | |
| External Revenue | 83,000 | 113,000 |
| Internal Recoveries | 30,000 | 15,000 |
| | ----- | ----- |
| | 113,000 | 128,000 |
| | ----- | ----- |
| TOTAL NET COST - RETICULATION | 6,041,291 | 6,788,902 |
| | ===== | ===== |
| TOTAL NET COST SUPPLY OF WATER - WATER SUPPLY | 10,984,207 | 11,480,351 |
| | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE – WATER SUPPLY |

OUTPUT : CAPITAL WORKS REVENUE

Description

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

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

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE - WATER SUPPLY |

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

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

SUMMARY - WASTEWATER

OVERALL WASTEWATER

Description

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

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

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

| SUMMARY - WASTEWATER | | 2002/2003 | 2003/2004 |
|--|-------------|------------------|------------------|
| OUTPUT CLASS NET COST | | BUDGET | BUDGET |
| | | \$ | \$ |
| OPERATIONS REVENUE - WASTEWATER | | | |
| Tradewaste | Page 9.2.16 | (1,688,433) | (2,229,610) |
| INFORMATION AND ADVICE - WASTEWATER | | | |
| Information And Advice | Page 9.2.17 | 147,710 | 178,883 |
| PLANNING - WASTEWATER | | | |
| Planning | Page 9.2.18 | 975,178 | 995,141 |
| COLLECTION - WASTEWATER | | | |
| Pumping | Page 9.2.19 | 2,640,461 | 2,599,328 |
| Reticulation | Page 9.2.20 | 6,681,169 | 11,854,980 |
| | | ----- | ----- |
| | | 9,321,630 | 14,454,308 |
| TREATMENT & DISPOSAL - WASTEWATER | | | |
| Belfast Operations & Maintenance | Page 9.2.21 | 81,068 | 99,958 |
| Templeton Operations & Maintenance | Page 9.2.21 | 124,227 | 34,847 |
| Christchurch Waste Water Treatment Plant | Page 9.2.22 | 7,641,077 | 8,011,545 |
| | | ----- | ----- |
| | | 7,846,372 | 8,146,349 |
| LABORATORY - WASTEWATER | | | |
| Laboratory Services | Page 9.2.23 | 25,000 | 25,000 |
| CAPITAL WORKS REVENUE - WASTEWATER | | | |
| Capital Works Revenue | Page 9.2.24 | (670,000) | (1,258,000) |
| NET RESULT - WASTEWATER | | ----- | ----- |
| | | 15,957,457 | 20,312,071 |
| | | ===== | ===== |

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

| SUMMARY - WASTEWATER | | 2002/2003 | 2003/2004 |
|--|-------------|-------------------|-------------------|
| OUTPUT CLASS EXPENDITURE | | BUDGET | BUDGET |
| | | \$ | \$ |
| OPERATIONS REVENUE - WASTEWATER | | | |
| Tradewaste | Page 9.2.16 | 347,567 | 290,390 |
| INFORMATION AND ADVICE - WASTEWATER | | | |
| Information And Advice | Page 9.2.17 | 167,710 | 198,883 |
| PLANNING - WASTEWATER | | | |
| Planning | Page 9.2.18 | 975,178 | 995,141 |
| COLLECTION - WASTEWATER | | | |
| Pumping | Page 9.2.19 | 2,640,461 | 2,599,328 |
| Reticulation | Page 9.2.20 | 6,728,169 | 11,901,980 |
| | | ----- | ----- |
| | | 9,368,630 | 14,501,308 |
| TREATMENT & DISPOSAL - WASTEWATER | | | |
| Belfast Operations & Maintenance | Page 9.2.21 | 81,068 | 99,958 |
| Templeton Operations & Maintenance | Page 9.2.21 | 124,227 | 34,847 |
| Christchurch Waste Water Treatment Plant | Page 9.2.22 | 7,858,677 | 8,232,545 |
| | | ----- | ----- |
| | | 8,063,972 | 8,367,349 |
| LABORATORY - WASTEWATER | | | |
| Laboratory Services | Page 9.2.23 | 149,627 | 157,448 |
| CAPITAL WORKS REVENUE - WASTEWATER | | | |
| Capital Works Revenue | Page 9.2.24 | 0 | 0 |
| | | ----- | ----- |
| TOTAL EXPENDITURE - WASTEWATER | | 19,072,684 | 24,510,519 |
| | | ===== | ===== |

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

| | | 2002/2003 | 2003/2004 |
|--|-------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| SUMMARY WASTEWATER | | | |
| OUTPUT CLASS REVENUE | | | |
| OPERATIONS REVENUE - WASTEWATER | | | |
| Tradewaste | Page 9.2.16 | 2,036,000 | 2,520,000 |
| INFORMATION AND ADVICE - WASTEWATER | | | |
| Information And Advice | Page 9.2.17 | 20,000 | 20,000 |
| PLANNING - WASTEWATER | | | |
| Planning | Page 9.2.18 | 0 | 0 |
| COLLECTION - WASTEWATER | | | |
| Pumping | Page 9.2.19 | 0 | 0 |
| Reticulation | Page 9.2.20 | 47,000 | 47,000 |
| | | ----- | ----- |
| | | 47,000 | 47,000 |
| TREATMENT & DISPOSAL - WASTEWATER | | | |
| Belfast Operations & Maintenance | Page 9.2.21 | | |
| Templeton Operations & Maintenance | Page 9.2.21 | | |
| Christchurch Waste Water Treatment Plant | Page 9.2.22 | 217,600 | 221,000 |
| | | ----- | ----- |
| | | 217,600 | 221,000 |
| LABORATORY - WASTEWATER | | | |
| Laboratory Services | Page 9.2.23 | 124,627 | 132,448 |
| CAPITAL WORKS REVENUE - WASTEWATER | | | |
| Capital Works Revenue | Page 9.2.24 | 670,000 | 1,258,000 |
| | | ----- | ----- |
| TOTAL REVENUE - WASTEWATER | | 3,115,227 | 4,198,448 |
| | | ===== | ===== |
| NET RESULT - WASTEWATER | | 15,957,457 | 20,312,071 |
| | | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | OPERATIONS REVENUE – WASTEWATER |

OUTPUT : TRADEWASTE**Description**

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

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

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

| | 2002/2003 | 2003/2004 |
|---|------------------|------------------|
| | BUDGET | BUDGET |
| | \$ | \$ |
| OUTPUT : TRADEWASTE | | |
| DIRECT COSTS | | |
| TOTAL DIRECT COSTS | 0 | 0 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts | 341,562 | 281,437 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 6,005 | 8,953 |
| TOTAL ALLOCATED COSTS | 347,567 | 290,390 |
| TOTAL COSTS : TRADEWASTE | 347,567 | 290,390 |
| REVENUE | | |
| External Revenue | 2,036,000 | 2,520,000 |
| Internal Revenue | 0 | 0 |
| TOTAL REVENUE : TRADEWASTE | 2,036,000 | 2,520,000 |
| NET RESULT : TRADEWASTE | (1,688,433) | (2,229,610) |

9.2.text.17

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | INFORMATION AND ADVICE – WASTEWATER |

OUTPUT : INFORMATION AND ADVICE

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

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

| OUTPUT : INFORMATION AND ADVICE | | | | 2002/2003 | 2003/2004 |
|---|---------|-------|--|------------------|------------------|
| | | | | BUDGET | BUDGET |
| | | | | \$ | \$ |
| DIRECT COSTS | | | | | |
| Education Programme | | | | 20,000 | 20,000 |
| TOTAL DIRECT COSTS | | | | 20,000 | 20,000 |
| ALLOCATED COSTS | | | | | |
| Transfer from Allocated Holding Accounts | (1.76)% | 2.14% | | 143,566 | 174,563 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | | | 4,144 | 4,320 |
| TOTAL ALLOCATED COSTS | | | | 147,710 | 178,883 |
| TOTAL COSTS : INFORMATION AND ADVICE | | | | 167,710 | 198,883 |
| REVENUE | | | | | |
| External Revenue | | | | 20,000 | 20,000 |
| Internal Revenue | | | | | |
| TOTAL REVENUE : INFORMATION AND ADVICE | | | | 20,000 | 20,000 |
| NET RESULT : INFORMATION AND ADVICE | | | | 147,710 | 178,883 |

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

OUTPUT : PLANNING**Description**

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

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

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

| | | 2002/2003 | 2003/2004 |
|---|--------------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| OUTPUT : PLANNING | | | |
| DIRECT COSTS | | | |
| Advanced Planning | | 73,000 | 93,000 |
| Asset Management | | 426,812 | 425,179 |
| | | ----- | ----- |
| TOTAL DIRECT COSTS | | 499,812 | 518,179 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (5.49)% 5.29% | 447,974 | 430,341 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 5,892 | 25,121 |
| Investigation - City Solutions Charges | | 6,500 | 6,500 |
| Property Unit Advice | | 15,000 | 15,000 |
| | | ----- | ----- |
| TOTAL ALLOCATED COSTS | | 475,366 | 476,962 |
| | | ----- | ----- |
| TOTAL COSTS : PLANNING | | 975,178 | 995,141 |
| REVENUE | | | |
| External Revenue | | | |
| Internal Revenue | | | |
| | | ----- | ----- |
| TOTAL REVENUE : PLANNING | | 0 | 0 |
| | | ----- | ----- |
| NET RESULT : PLANNING | | 975,178 | 995,141 |
| | | ===== | ===== |

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

OUTPUT : PUMPING**Description**

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

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

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

| | 2002/2003 | 2003/2004 |
|--|------------------|------------------|
| | BUDGET | BUDGET |
| | \$ | \$ |
| OUTPUT : PUMPING | | |
| DIRECT COSTS | | |
| Control & Operations | 551,200 | 571,550 |
| Maintenance | 1,130,000 | 1,006,130 |
| Depreciation & Finance Charges | 18,110 | 20,000 |
| TOTAL DIRECT COSTS | 1,699,310 | 1,597,680 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (5.00)% 5.04% | 408,461 | 409,831 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 66,107 | 68,019 |
| Depreciation | 413,340 | 470,000 |
| Asset Write offs Due To Replacement | 50,000 | 50,000 |
| Debt Servicing | 3,243 | 3,798 |
| TOTAL ALLOCATED COSTS | 941,151 | 1,001,648 |
| TOTAL COSTS : PUMPING | 2,640,461 | 2,599,328 |
| REVENUE | | |
| External Revenue | | |
| Internal Revenue | | |
| TOTAL REVENUE : PUMPING | 0 | 0 |
| NET RESULT : PUMPING | 2,640,461 | 2,599,328 |

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

OUTPUT : RETICULATION

Description

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

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

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

| | 2002/2003 | 2003/2004 |
|--|------------------|-------------------|
| | BUDGET | BUDGET |
| | \$ | \$ |
| OUTPUT : RETICULATION | | |
| DIRECT COSTS | | |
| Contract Services | 1,000 | 1,000 |
| Reactive Maintenance | 616,000 | 631,000 |
| Planned Maintenance | 775,220 | 920,220 |
| Finance Charges | 134,388 | 121,341 |
| Rates - Wastewater Infrastructure | 1,367,538 | 1,422,765 |
| | ----- | ----- |
| TOTAL DIRECT COSTS | 2,894,146 | 3,096,326 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (3.52)% 2.50% | 286,928 | 203,210 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 174,031 | 172,547 |
| Depreciation | 2,490,800 | 7,860,000 |
| Asset Write offs Due To Replacement | 650,000 | 400,000 |
| Debt Servicing | 73,775 | 109,618 |
| Geodata Internal Charges | 143,989 | 46,279 |
| Subdivision Supervision (City Solutions Charge) | 14,500 | 14,000 |
| | ----- | ----- |
| TOTAL ALLOCATED COSTS | 3,834,023 | 8,805,654 |
| | ----- | ----- |
| TOTAL COSTS : RETICULATION | 6,728,169 | 11,901,980 |
| REVENUE | | |
| External Revenue | 17,000 | 17,000 |
| Internal Revenue | 30,000 | 30,000 |
| | ----- | ----- |
| TOTAL REVENUE : RETICULATION | 47,000 | 47,000 |
| | ----- | ----- |
| NET RESULT : RETICULATION | 6,681,169 | 11,854,980 |
| | ===== | ===== |
| | ----- | ----- |
| NET RESULT - COLLECTION - WASTEWATER | 9,321,630 | 14,454,308 |
| | ===== | ===== |

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

OUTPUTS

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

Description

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

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

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

| | | 2002/2003 | 2003/2004 |
|--|------------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| OUTPUT : BELFAST OPERATIONS & MAINTENANCE | | | |
| DIRECT COSTS | | | |
| Plant Site and Grounds Maintenance | | 46,500 | 46,500 |
| | | ----- | ----- |
| TOTAL DIRECT COSTS | | 46,500 | 46,500 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (0.41)% 0.63% | 33,128 | 51,369 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 1,440 | 2,088 |
| | | ----- | ----- |
| TOTAL ALLOCATED COSTS | | 34,568 | 53,458 |
| ----- | | | |
| NET RESULT : BELFAST OPERATIONS & MAINTENANCE | | 81,068 | 99,958 |
| | | ===== | ===== |
| OUTPUT : TEMPLETON OPERATIONS & MAINTENANCE | | | |
| DIRECT COSTS | | | |
| Plant DeCommission | | 100,000 | 10,000 |
| | | ----- | ----- |
| TOTAL DIRECT COSTS | | 100,000 | 10,000 |
| ALLOCATED COSTS | | | |
| Rent (Property Unit) | | 15,996 | 15,996 |
| Transfer from Allocated Holding Accounts | (0.07)% 0.07% | 5,365 | 5,650 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 2,866 | 3,200 |
| | | ----- | ----- |
| TOTAL ALLOCATED COSTS | | 24,227 | 24,847 |
| ----- | | | |
| NET RESULT : TEMPLETON OPERATIONS & MAINTENANCE | | 124,227 | 34,847 |
| | | ===== | ===== |

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

OUTPUTS

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

For text see page 9.2.text.21.

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

| | 2002/2003 | 2003/2004 |
|---|------------------|------------------|
| | BUDGET | BUDGET |
| | \$ | \$ |
| OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT PLANT | | |
| DIRECT COSTS | | |
| Operations | 531,000 | 918,700 |
| Biosolids Preparation | 221,000 | 270,000 |
| Biosolids Application & Reuse | 779,713 | 780,000 |
| Maintenance | 441,026 | 584,950 |
| Biosolids Maintenance | 27,000 | 31,000 |
| Maintenance - Energy Equip | 98,300 | 117,300 |
| Output Overheads | 26,000 | 71,000 |
| | ----- | ----- |
| TOTAL DIRECT COSTS | 2,124,039 | 2,772,950 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (30.45)% 29.95% | 2,485,771 | 2,437,717 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 189,476 | 202,442 |
| Rent | 144,540 | 144,000 |
| Depreciation | 2,808,750 | 2,646,000 |
| Asset Write offs Due To Replacement | 90,000 | 10,000 |
| Debt Servicing | 16,101 | 19,436 |
| | ----- | ----- |
| TOTAL ALLOCATED COSTS | 5,734,638 | 5,459,595 |
| | ----- | ----- |
| TOTAL COSTS : CHRISTCHURCH WASTE WATER TREATMENT PLANT | 7,858,677 | 8,232,545 |
| REVENUE | | |
| External Revenue | 217,600 | 221,000 |
| Internal Revenue | 0 | 0 |
| | ----- | ----- |
| TOTAL REVENUE : CHRISTCHURCH WASTE WATER TREATMENT PLANT | 217,600 | 221,000 |
| | ----- | ----- |
| NET RESULT : CHRISTCHURCH WASTE WATER TREATMENT PLANT | 7,641,077 | 8,011,545 |
| | ===== | ===== |
| NET RESULT - TREATMENT & DISPOSAL - WASTEWATER | 7,846,372 | 8,146,349 |
| | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | LABORATORY – WASTEWATER |

OUTPUT : LABORATORY SERVICES

Description

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

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

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

| OUTPUT : LABORATORY SERVICES | | 2002/2003 | 2003/2004 |
|---|---------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| DIRECT COSTS | | | |
| Administration Costs | | 25,000 | 25,000 |
| TOTAL DIRECT COSTS | | 25,000 | 25,000 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (1.51)% 1.61% | 122,894 | 130,748 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 1,733 | 1,700 |
| TOTAL ALLOCATED COSTS | | 124,627 | 132,448 |
| TOTAL COSTS : LABORATORY SERVICES | | 149,627 | 157,448 |
| REVENUE | | | |
| External Revenue | | 41,008 | 43,581 |
| Internal Recoveries | | 83,619 | 88,867 |
| TOTAL REVENUE : LABORATORY SERVICES | | 124,627 | 132,448 |
| NET RESULT : LABORATORY SERVICES | | 25,000 | 25,000 |

9.2.text.24

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE – WASTEWATER |

OUTPUT : CAPITAL WORKS REVENUE

For text see page 9.2.text.21.

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE - WASTEWATER |

| OUTPUT : CAPITAL WORKS REVENUE | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| | \$ | \$ |
| REVENUE | | |
| External Revenue | | |
| - CWTP Capacity Upgrade Fee (1200 new connections @ \$540 each) | 650,000 | 738,000 |
| - Cost Sharing Contributions | 20,000 | 20,000 |
| - Reticulation Capacity Upgrade Fee | 0 | 500,000 |
| Internal Revenue | | |
| TOTAL REVENUE : CAPITAL WORKS REVENUE | ----- 670,000 | ----- 1,258,000 |
| NET RESULT : CAPITAL WORKS REVENUE | ----- (670,000) | ----- (1,258,000) |
| | ===== | ===== |
| NET RESULT - WASTEWATER | ----- 15,957,457 | ----- 20,312,071 |
| | ===== | ===== |

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

SOLID WASTE SUMMARY

OVERALL SOLID WASTE

Description

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

| Objectives for 2003/04 | Performance Indicators | TBL category |
|--|---|---------------|
| 1. <i>To provide the community with safe, convenient and efficient waste management services.</i> | • <i>90% of customers are satisfied with the green crate recycling service.</i> | Social |
| | • <i>80% of customers are satisfied with the black bag service provided</i> | Social |
| | • <i>Waste collection service delivers value for money (Target: 70% satisfaction).</i> | Financial |
| | • <i>Cost of waste management per household (Target: \$126 per household).</i> | Financial |
| | • <i>Incidence of reported illegal dumping excluding litter complaints. (Target: on average less than two occasions reported per week).</i> | Environmental |
| 2. <i>To work with the community to reduce the waste generated in Christchurch through reduction at source, reuse, recycling and composting.</i> | • <i>Amount of waste sent to landfill per person (Target: 650 kilograms per person per year).</i> | Environmental |
| | • <i>Progress towards waste minimisation targets (Results in graph form – total to landfill, greenwaste and kerbside recycling).</i> | Environmental |
| | • <i>Public commitment to waste minimisation (Target: 80% of people regularly take action to reduce the waste they produce).</i> | Social |
| | • <i>Amount spent on waste minimisation activities per person (Target: \$15 per person).</i> | Financial |

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

| NET COST SUMMARY - SOLID WASTE | | 2002/2003 | 2003/2004 |
|---------------------------------------|-------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| INFORMATION AND ADVICE | | | |
| INFORMATION AND ADVICE | Page 9.2.33 | 290,385 | 268,651 |
| | | ----- | ----- |
| | | 290,385 | 268,651 |
| PLANNING | | | |
| ADVANCED PLANNING | Page 9.2.34 | 341,093 | 319,310 |
| | | ----- | ----- |
| | | 341,093 | 319,310 |
| WASTE REDUCTION | | | |
| COMMERCIAL WASTE REDUCTION | Page 9.2.35 | 512,069 | 406,432 |
| | | ----- | ----- |
| | | 512,069 | 406,432 |
| REUSE | | | |
| RESOURCE REUSE CENTRES | Page 9.2.36 | 159,356 | 6,577 |
| | | ----- | ----- |
| | | 159,356 | 6,577 |
| RECYCLING | | | |
| RECYCLING | | | |
| Kerbside Recycling Development | Page 9.2.37 | 2,785,530 | 2,919,745 |
| Waste Sorting Operations | Page 9.2.38 | 0 | 0 |
| RMF | Page 9.2.39 | 851,752 | 104,738 |
| | | ----- | ----- |
| | | 3,637,282 | 3,024,483 |

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

OVERALL SOLID WASTE (CONTD)

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

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

NET COST SUMMARY - SOLID WASTE

| | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| RESOURCE RECOVERY | | | |
| COMPOST | Page 9.2.40 | 320,725 | 43,297 |
| | | ----- | ----- |
| | | 320,725 | 43,297 |
| RESIDUE DISPOSAL | | | |
| COLLECTION OPERATIONS | Page 9.2.41 | 5,401,787 | 5,596,162 |
| TRANSFER OPERATIONS | | | |
| Metro Place | Page 9.2.42 | (278,119) | 36,751 |
| Parkhouse Road | Page 9.2.43 | (49,423) | 769,471 |
| Styx Mill | Page 9.2.44 | 123,099 | 258,093 |
| DISPOSAL | | | |
| Burwood - Non-Hazardous | Page 9.2.45 | 29,549 | 234,709 |
| Hazardous Waste Operations | Page 9.2.46 | 169,597 | 228,305 |
| | | ----- | ----- |
| | | 5,396,490 | 7,123,491 |
| WASTE MINIMISATION FEE | | | |
| WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATIC | Page 9.2.47 | (9,155,901) | (11,000,325) |
| | | ----- | ----- |
| | | (9,155,901) | (11,000,325) |
| TOTAL NET COST SOLID WASTE | | | |
| | | ===== | ===== |
| | | 1,501,498 | 191,914 |

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

SOLID WASTE SUMMARY

| | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---------------------------------|-------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| OUTPUT CLASS EXPENDITURE | | | |
| INFORMATION AND ADVICE | | | |
| INFORMATION AND ADVICE | Page 9.2.33 | 290,385 | 268,651 |
| | | ----- | ----- |
| | | 290,385 | 268,651 |
| PLANNING | | | |
| ADVANCED PLANNING | Page 9.2.34 | 341,093 | 319,310 |
| | | ----- | ----- |
| | | 341,093 | 319,310 |
| WASTE REDUCTION | | | |
| COMMERCIAL WASTE REDUCTION | Page 9.2.35 | 512,169 | 406,432 |
| | | ----- | ----- |
| | | 512,169 | 406,432 |
| REUSE | | | |
| RESOURCE REUSE CENTRES | Page 9.2.36 | 159,356 | 6,577 |
| | | ----- | ----- |
| | | 159,356 | 6,577 |
| RECYCLING | | | |
| RECYCLING | | | |
| Kerbside Recycling Development | Page 9.2.37 | 2,786,030 | 2,919,845 |
| Waste Sorting Operations | Page 9.2.38 | 0 | 0 |
| <i>RMF</i> | Page 9.2.39 | 1,332,752 | 862,238 |
| | | ----- | ----- |
| | | 4,118,782 | 3,782,083 |

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

EXPENDITURE SUMMARY SOLID WASTE

| | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| RESOURCE RECOVERY | | | |
| COMPOST | Page 9.2.40 | 2,008,178 | 1,799,902 |
| | | ----- | ----- |
| | | 2,008,178 | 1,799,902 |
| RESIDUE DISPOSAL | | | |
| COLLECTION OPERATIONS | Page 9.2.41 | 6,066,837 | 6,261,162 |
| TRANSFER OPERATIONS | | | |
| Metro Place | Page 9.2.42 | 1,496,086 | 1,802,743 |
| Parkhouse Road | Page 9.2.43 | 2,480,050 | 2,606,306 |
| Styx Mill | Page 9.2.44 | 1,263,154 | 1,462,671 |
| DISPOSAL | | | |
| Burwood - Non-Hazardous | Page 9.2.45 | 2,711,421 | 4,386,099 |
| Hazardous Waste Operations | Page 9.2.46 | 289,597 | 228,305 |
| | | ----- | ----- |
| | | 14,307,145 | 16,747,286 |
| WASTE MINIMISATION FEE | | | |
| WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATIC | Page 9.2.47 | 0 | 100,000 |
| | | ----- | ----- |
| | | 0 | 100,000 |
| | | ----- | ----- |
| TOTAL EXPENDITURE SOLID WASTE | | 21,737,107 | 23,430,239 |
| | | ===== | ===== |

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

SOLID WASTE SUMMARY**OUTPUT CLASS REVENUE**

2002/2003
BUDGET
\$

2003/2004
BUDGET
\$

WASTE REDUCTION

COMMERCIAL WASTE REDUCTION

Page 9.2.35

100

0

100

0

REUSE

RESOURCE REUSE CENTRES

Page 9.2.36

0

0

0

0

RECYCLING

RECYCLING

Kerbside Recycling Development

Page 9.2.37

500

100

Waste Sorting Operations

Page 9.2.38

0

0

RMF

Page 9.2.39

481,000

757,500

481,500

757,600

RESOURCE RECOVERY

COMPOST

Page 9.2.40

1,687,453

1,756,605

1,687,453

1,756,605

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

| REVENUE SUMMARY SOLID WASTE | | <u>Notes</u> | 2002/2003 | 2003/2004 |
|------------------------------------|-------------|--------------|------------------|------------------|
| RESIDUE DISPOSAL | | | BUDGET | BUDGET |
| | | | \$ | \$ |
| COLLECTION OPERATIONS | Page 9.2.41 | | 665,050 | 665,000 |
| TRANSFER OPERATIONS | | | | |
| Metro Place | Page 9.2.42 | | 1,774,205 | 1,765,992 |
| Parkhouse Road | Page 9.2.43 | | 2,529,473 | 1,836,835 |
| Styx Mill | Page 9.2.44 | | 1,140,055 | 1,204,578 |
| DISPOSAL | | | | |
| Burwood - Non-Hazardous | Page 9.2.45 | (1) | 2,681,872 | 4,151,390 |
| Hazardous Waste Operations | Page 9.2.46 | | 120,000 | 0 |
| | | | ----- | ----- |
| | | | 8,910,655 | 9,623,795 |

For Notes see page Page 9.2.31

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

| REVENUE SUMMARY SOLID WASTE | | <u>Notes</u> | 2002/2003 BUDGET | 2003/2004 BUDGET |
|--|-------------|--------------|-----------------------------|-----------------------------|
| WASTE MINIMISATION FEE | | | \$ | \$ |
| WASTE MINIMISATION TIPPING FEE REVENUE | Page 9.2.47 | (2) | 9,155,901 | 11,100,325 |
| | | | ----- | ----- |
| | | | 9,155,901 | 11,100,325 |
| | | | ----- | ----- |
| TOTAL REVENUE SOLID WASTE | | | 20,235,609 | 23,238,325 |
| | | | ----- | ----- |
| TOTAL NET COST SOLID WASTE | | | <u>1,501,498</u> | <u>191,914</u> |
| | | | ===== | ===== |

(1) Burwood Landfill Stage 2C Aftercare Special Fund

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

(2) Kate Valley Equalisation Fund

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

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

| SPECIAL FUND TRANSFERS - SOLID WASTE | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| Burwood Landfill Aftercare Stage 2C Special Fund | \$ | \$ |
| APPROPRIATIONS (TRANSFERS TO) | | |
| Burwood Landfill After Care Reserve | (721,500) | (763,500) |
| TOTAL REVENUE | (721,500) | (763,500) |
| FINANCE PROVIDED (TRANSFERS FROM) | | |
| Burwood Landfill After Care Reserve | 0 | 0 |
| TOTAL EXPENDITURE | 0 | 0 |
| TOTAL NET TRANSFERS BURWOOD LANDFILL AFTERCARE STAGE 2C SPECIAL FUND | (721,500) | (763,500) |

9.2.text.33

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | INFORMATION AND ADVICE – SOLID WASTE |

OUTPUT : INFORMATION AND ADVICE

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

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

| OUTPUT : INFORMATION AND ADVICE | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|---------------|-----------------------------|-----------------------------|
| DIRECT COSTS | | | |
| General Promotion | | 20,000 | 20,000 |
| | | ----- | ----- |
| | | 20,000 | 20,000 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (3.31)% 2.96% | 270,385 | 241,170 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 0 | 7,480 |
| | | ----- | ----- |
| | | 270,385 | 248,651 |
| TOTAL COST | | | |
| | | ----- | ----- |
| | | 290,385 | 268,651 |
| REVENUE | | | |
| TOTAL NET COST INFORMATION AND ADVICE | | | |
| | | ----- | ----- |
| | | 290,385 | 268,651 |
| TOTAL NET COST INFORMATION AND ADVICE | | | |
| | | ===== | ===== |
| | | 290,385 | 268,651 |
| | | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | PLANNING – SOLID WASTE |

OUTPUT : ADVANCED PLANNING

Description

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

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

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

OUTPUT : ADVANCED PLANNING

| | 2002/2003 | 2003/2004 |
|--|------------------|------------------|
| | BUDGET | BUDGET |
| | \$ | \$ |
| DIRECT COSTS | | |
| Operating Costs | 100,000 | 100,000 |
| Host Support Fund (Hurunui) | 30,000 | 30,000 |
| Regional Waste Minimisation Initiative | 50,000 | 50,000 |
| | ----- | ----- |
| TOTAL DIRECT COSTS | 180,000 | 180,000 |
| | ----- | ----- |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (1.85)% 1.62% | 151,385 | 131,811 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 9,708 | 7,499 |
| | ----- | ----- |
| TOTAL ALLOCATED COSTS | 161,093 | 139,310 |
| | ----- | ----- |
| TOTAL NET COST ADVANCED PLANNING | 341,093 | 319,310 |
| | ===== | ===== |
| TOTAL NET COST PLANNING | 341,093 | 319,310 |
| | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | REDUCTION – SOLID WASTE |

OUTPUT : COMMERCIAL WASTE REDUCTION

Description

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

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

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

OUTPUT : COMMERCIAL WASTE REDUCTION

| | | 2002/2003 | 2003/2004 |
|---|--------------------|------------------|------------------|
| | | BUDGET | BUDGET |
| DIRECT COSTS | | | |
| Business Community | | 293,000 | 45,000 |
| Evaluation, Planning, & Reporting | | 74,000 | 20,000 |
| Industry Sector | | 98,000 | 160,000 |
| Commercial Sector | | 20,000 | 80,000 |
| Education, Health, & Municipal | | 0 | 80,000 |
| | | ----- | ----- |
| | | 485,000 | 385,000 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (0.16)% 0.10% | 12,712 | 8,238 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 14,457 | 13,194 |
| | | ----- | ----- |
| | | 27,169 | 21,432 |
| | | ----- | ----- |
| TOTAL COST | | 512,169 | 406,432 |
| REVENUE | | | |
| External Revenue | | 100 | 0 |
| | | ----- | ----- |
| TOTAL NET COMMERCIAL WASTE REDUCTION | | 512,069 | 406,432 |
| | | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | REUSE – SOLID WASTE |

OUTPUT : RESOURCE REUSE CENTRES

Description

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

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

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

OUTPUT : RESOURCE REUSE CENTRES

| | | 2002/2003 | 2003/2004 |
|---|------------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| DIRECT COSTS | | | |
| Management by RMF (Net Cost) | | 152,651 | 0 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (0.03)% 0.03% | 2,311 | 2,471 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 4,393 | 4,105 |
| TOTAL COSTS | | ----- 159,356 | ----- 6,577 |
| REVENUE | | | |
| External Revenue | | 0 | 0 |
| TOTAL NET COST RESOURCE REUSE CENTRES | | ----- 159,356 | ----- 6,577 |
| TOTAL NET COST RESOURCE REUSE CENTRES | | ===== | ===== |
| TOTAL NET COST RESOURCE REUSE CENTRES | | ----- 159,356 | ----- 6,577 |
| TOTAL NET COST RESOURCE REUSE CENTRES | | ===== | ===== |

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

OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF)

Description – Kerbside Recycling Collection:

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

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

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

| OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF) | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| | \$ | \$ |
| Sub Output : Kerbside Recycling Collection | | |
| DIRECT COSTS | | |
| Contract Operations (Net cost) | 2,524,249 | 2,543,924 |
| Promotion and Instruction | 85,000 | 125,000 |
| Replacement and Extra Bins | 33,000 | 30,000 |
| | ----- | ----- |
| TOTAL DIRECT COSTS | 2,642,249 | 2,698,924 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (0.42)% 1.42% | 34,668 | 115,335 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 109,112 | 105,586 |
| | ----- | ----- |
| | 143,781 | 220,921 |
| | ----- | ----- |
| TOTAL COSTS RECYCLING COLLECTION | 2,786,030 | 2,919,845 |
| REVENUE | | |
| External Revenue | 500 | 100 |
| | ----- | ----- |
| TOTAL NET COST KERBSIDE RECYCLING COLLECTION | 2,785,530 | 2,919,745 |
| | ===== | ===== |

9.2.text.38

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

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

Sub Output : Waste Sorting Operations

Potential waste sorting ventures at Refuse Operations.

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

OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF)

2002/2003
BUDGET
\$

2003/2004
BUDGET
\$

Sub Output : Waste Sorting Operations

DIRECT COSTS

0 0

0 0

ALLOCATED COSTS

Transfer from Allocated Holding Accounts (0.00)% 0.00%

0 0

0 0

TOTAL COST WASTE SORTING OPERATIONS

0 0

REVENUE

External Revenue

0 0

TOTAL NET COST WASTE SORTING OPERATIONS

0 0
=====

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

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

Description - Recovered Materials Foundation (RMF)

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

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

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

| OUTPUT : RECYCLING (KERBSIDE, WASTE SORTING AND RMF) | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| Sub Output : Recovered Materials Foundation (RMF) | | |
| DIRECT COSTS | | |
| RMF Operating | 847,900 | 335,000 |
| Business Development Fund | 481,000 | 519,000 |
| | ----- | ----- |
| | 1,328,900 | 854,000 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (0.05)% 0.10% | 3,852 | 8,238 |
| | ----- | ----- |
| TOTAL DIRECT COSTS | 1,332,752 | 862,238 |
| REVENUE | | |
| External Revenue | 411,000 | 686,500 |
| Internal Revenue | 70,000 | 71,000 |
| | ----- | ----- |
| TOTAL NET COST RMF | 851,752 | 104,738 |
| | ===== | ===== |
| TOTAL NET COST RECYCLING | 3,637,282 | 3,024,483 |
| | ===== | ===== |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | RESOURCE RECOVERY – SOLID WASTE |

OUTPUT : COMPOSTING

Description

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

| Objectives for 2003/04 | Performance Indicators | TBL Category |
|---|--|---|
| 1. To achieve or surpass the organics reduction targets contained in the Solid and Hazardous Waste Management Plan. | <ul style="list-style-type: none"> Tonnage of organic matter received at the refuse stations for composting (Target: 38,000 tonnes). | Environmental |
| 2. To increase public participation in composting. | <ul style="list-style-type: none"> 60% of households regularly compost at home. Number of schools and groups participating in Council run composting education programmes (Target: 150 per year). | Social Social |
| 3. To manage the Compost Plant in accordance with management plans and resource consents. | <ul style="list-style-type: none"> Number of complaints received by Environment Canterbury about the Compost Plant (Target: nil complaints resulting in a breach of consent conditions). Spray residue in the compost product is minimised (Target: less than 0.02 mg/kg dry weight). Yield of the Compost Plant (Target: 0.9m³ unscreened compost/tonne of garden organic). | Environmental Environmental Financial |

9.2.40

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

OUTPUT : COMPOSTING

| | | 2002/2003 | 2003/2004 |
|---|--------------------|------------------|------------------|
| | | BUDGET | BUDGET |
| | | \$ | \$ |
| DIRECT COSTS | | | |
| Operating Costs | | 1,705,310 | 1,555,110 |
| | | ----- | ----- |
| | | 1,705,310 | 1,555,110 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (2.43)% 1.50% | 198,231 | 122,489 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 49,762 | 50,503 |
| Alloc O/head - Rent | | 49,200 | 66,000 |
| Depreciation | | 5,500 | 5,800 |
| Debt Servicing | | 175 | 0 |
| | | ----- | ----- |
| TOTAL ALLOCATED COSTS | | 302,868 | 244,792 |
| | | ----- | ----- |
| TOTAL COSTS | | 2,008,178 | 1,799,902 |
| REVENUE | | | |
| External Revenue | | 1,639,753 | 1,740,741 |
| Internal Recoveries | | 47,700 | 15,864 |
| | | ----- | ----- |
| TOTAL REVENUE | | 1,687,453 | 1,756,605 |
| | | ----- | ----- |
| TOTAL NET COST COMPOSTING | | 320,725 | 43,297 |
| | | ===== | ===== |
| | | ----- | ----- |
| TOTAL NET COST RESOURCE RECOVERY | | 320,725 | 43,297 |
| | | ===== | ===== |

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

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.

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

9.2.41

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

| OUTPUT : COLLECTION OPERATIONS | | 2002/2003 BUDGET | 2003/2004 BUDGET |
|--|---------------|-----------------------------|-----------------------------|
| | | \$ | \$ |
| DIRECT COSTS | | | |
| Collection | | 2,200,602 | 2,308,730 |
| Bag Purchase | | 910,000 | 362,250 |
| Bag Deliveries | | 100,000 | 100,000 |
| Publicity (Including Waster Pays Advertising Programme - \$200k) | | 24,000 | 164,000 |
| Disposal | | 2,644,445 | 3,095,754 |
| ALLOCATED COSTS | | | |
| Transfer from Allocated Holding Accounts | (0.54)% 0.91% | 43,913 | 74,144 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | | 143,877 | 156,284 |
| TOTAL COSTS | | 6,066,837 | 6,261,162 |
| REVENUE | | | |
| External Revenue | | 665,050 | 665,000 |
| TOTAL NET COST EXCESS DOMESTIC | | 5,401,787 | 5,596,162 |

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

OUTPUT : TRANSFER OPERATIONS

Description

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

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

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

| OUTPUT : TRANSFER OPERATIONS | | | | 2002/2003 | 2003/2004 |
|--|---------|-------|--|------------------|------------------|
| | | | | BUDGET | BUDGET |
| | | | | \$ | \$ |
| Sub Output : Metro Place | | | | | |
| DIRECT COSTS | | | | | |
| Administration Costs | | | | 60,330 | 54,830 |
| Plant Costs | | | | 15,000 | 20,000 |
| Maintenance Grounds and Building | | | | 98,748 | 94,590 |
| City Care - Fixed Fee | | | | 146,880 | 489,984 |
| City Care - Variable Fee | | | | 146,484 | 65,534 |
| City Care - Refuse Transfer | | | | 361,914 | 214,670 |
| City Care - Rubble Transfer | | | | 19,629 | 18,370 |
| City Care - Contingency & CPI | | | | 0 | 16,200 |
| Hardfill | | | | 10,200 | 10,200 |
| Landfill Charges | | | | 375,293 | 526,560 |
| | | | | ----- | ----- |
| | | | | 1,234,478 | 1,510,938 |
| ALLOCATED COSTS | | | | | |
| Transfer from Allocated Holding Accounts | (0.19)% | 0.17% | | 15,408 | 14,005 |
| Allocated Overhead - Rent | | | | 229,200 | 238,800 |
| Depreciation | | | | 17,000 | 39,000 |
| | | | | 261,608 | 291,805 |
| | | | | ----- | ----- |
| TOTAL COSTS | | | | 1,496,086 | 1,802,743 |
| REVENUE | | | | | |
| External Revenue | | | | 1,453,374 | 1,406,862 |
| Internal Recoveries | | | | 320,831 | 359,130 |
| | | | | ----- | ----- |
| TOTAL REVENUE | | | | 1,774,205 | 1,765,992 |
| | | | | ----- | ----- |
| TOTAL NET COST METRO PLACE | | | | (278,119) | 36,751 |
| | | | | ===== | ===== |

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

| OUTPUT : TRANSFER OPERATIONS | 2002/2003 BUDGET | 2003/2004 BUDGET |
|--|---------------------|---------------------|
| | \$ | \$ |
| Sub Output : Parkhouse Rd | | |
| DIRECT COSTS | | |
| Administration Costs | 56,235 | 56,260 |
| Plant Costs | 25,000 | 25,000 |
| Maintenance Grounds and Building | 131,370 | 81,755 |
| Hardfill | 12,000 | 10,000 |
| City Care - Fixed Fee | 335,376 | 711,140 |
| City Care - Variable Fee | 162,469 | 83,888 |
| City Care - Refuse Transfer | 633,494 | 305,538 |
| City Care - Rubble Transfer | 7,160 | 6,680 |
| City Care - Contingency & CPI | 0 | 23,000 |
| Landfill Charges | 542,796 | 561,120 |
| | ----- | ----- |
| | 1,905,900 | 1,864,381 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (0.17)% 0.17% | 13,867 | 14,005 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 113,049 | 109,420 |
| Allocated Overhead - Rent | 399,600 | 570,000 |
| Depreciation | 47,634 | 48,500 |
| | ----- | ----- |
| | 574,150 | 741,925 |
| TOTAL COSTS | ----- | ----- |
| | 2,480,050 | 2,606,306 |
| REVENUE | | |
| External Revenue | 2,091,976 | 1,355,857 |
| Internal Recoveries | 437,497 | 480,978 |
| | ----- | ----- |
| TOTAL REVENUE | 2,529,473 | 1,836,835 |
| TOTAL NET COST PARKHOUSE ROAD | ----- | ----- |
| | (49,423) | 769,471 |
| | ===== | ===== |

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

OUTPUT : TRANSFER OPERATIONS

| | | | 2002/2003 | 2003/2004 |
|--|---------|-------|------------------|------------------|
| | | | BUDGET | BUDGET |
| | | | \$ | \$ |
| Sub Output : Styx Mill | | | | |
| DIRECT COSTS | | | | |
| Operating Costs | | | 683,607 | 741,646 |
| Maintenance Grounds and Building | | | 59,180 | 104,000 |
| Hardfill | | | 7,800 | 7,800 |
| Landfill Charges | | | 239,804 | 357,120 |
| | | | ----- | ----- |
| | | | 990,391 | 1,210,566 |
| ALLOCATED COSTS | | | | |
| Transfer from Allocated Holding Accounts | (0.17)% | 0.17% | 13,867 | 14,005 |
| Allocated Overhead - Rent | | | 166,800 | 183,600 |
| Asset Write off - Compactor | | | 22,000 | 0 |
| Depreciation | | | 69,816 | 54,500 |
| Debt Servicing | | | 280 | 0 |
| | | | ----- | ----- |
| | | | 272,763 | 252,105 |
| | | | ----- | ----- |
| TOTAL COSTS | | | 1,263,154 | 1,462,671 |
| REVENUE | | | | |
| External Revenue | | | 906,723 | 938,437 |
| Internal Recoveries | | | 233,332 | 266,141 |
| | | | ----- | ----- |
| TOTAL REVENUE | | | 1,140,055 | 1,204,578 |
| | | | ----- | ----- |
| TOTAL NET COST STYX MILL ROAD | | | <u>123,099</u> | <u>258,093</u> |

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

OUTPUT : DISPOSAL

Description

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

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

9.2.45

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

| OUTPUT : DISPOSAL | 2002/2003 BUDGET | 2003/2004 BUDGET |
|---|-----------------------------|-----------------------------|
| | \$ | \$ |
| Sub Output : Burwood - Landfill | | |
| DIRECT COSTS | | |
| Operating Costs (includes Burwood Stage 1, 2A, 2B aftercare, refer below) | 1,837,031 | 3,233,234 |
| ALLOCATED COSTS | | |
| Transfer from Allocated Holding Accounts (1.23)% 1.87% | 100,153 | 152,407 |
| Landfill Aftercare Amortisation (Burwood Stage 2C) | 721,500 | 937,376 |
| Alloc O/Head - Output Corporate Overheads Cost Centre | 46,086 | 48,582 |
| Depreciation | 6,000 | 14,500 |
| Debt Servicing | 651 | 0 |
| | ----- | ----- |
| | 874,390 | 1,152,865 |
| | ----- | ----- |
| TOTAL COST | 2,711,421 | 4,386,099 |
| REVENUE | | |
| External Revenue | 624,258 | 1,911,025 |
| External Revenue - Landfill Aftercare Fee (for Stage 2C) | 616,500 | 657,000 |
| External Revenue - Other Local Authorities | 149,055 | 0 |
| Internal Recoveries (Transfer Stations) | 1,187,059 | 1,476,865 |
| Internal Revenue - Landfill Aftercare Fee (for Stage 2C) | 105,000 | 106,500 |
| | ----- | ----- |
| TOTAL REVENUE BURWOOD - LANDFILL | 2,681,872 | 4,151,390 |
| | ----- | ----- |
| TOTAL NET COST BURWOOD - LANDFILL | 29,549 | 234,709 |
| | ===== | ===== |
| FINANCING TRANSFER | | |
| Appropriation to Burwood Landfill Stage 2C Aftercare Special Fund | 721,500 | 763,500 |

Note: The provision in the 2003/2004 budget for the transfer to the Burwood Landfill Stage 2C Aftercare special fund is \$763,500 (refer above). In addition the Council has a financial liability for aftercare of the closed stages of Burwood (ie. Stage 1, 2A, 2B) and other smaller closed City landfills (of which there are around 50). For 2003/04 the amount budgeted for aftercare is \$1,855,000 for Burwood Stages 1, 2A, 2B, and for all other closed landfills - refer the Capital programme. When Burwood Landfill Stage 2C is finally closed the financial liability will be progressively reduced by any subsequent aftercare expenditure.

9.2.text.46

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

OUTPUT : DISPOSAL

For text see page 9.2.text.45.

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

OUTPUT : DISPOSAL

| | | | 2002/2003 | 2003/2004 |
|---|---------|-------|------------------|------------------|
| | | | BUDGET | BUDGET |
| | | | \$ | \$ |
| Sub Output : Hazardous Waste Operation | | | | |
| DIRECT COSTS | | | | |
| Direct Operating Costs | | | 197,000 | 197,000 |
| ALLOCATED COSTS | | | | |
| Transfer from Allocated Holding Accounts | (1.13)% | 0.38% | 92,597 | 31,305 |
| TOTAL COST | | | 289,597 | 228,305 |
| REVENUE | | | | |
| External Revenue | | | 120,000 | 0 |
| TOTAL NET COSTS HAZARDOUS WASTE OPERATION | | | 169,597 | 228,305 |
| TOTAL NET COST RESIDUE DISPOSAL | | | 5,396,490 | 7,123,491 |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | WASTE MINIMISATION FEE – SOLID WASTE |

OUTPUT : WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVENUE

Description

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

| Objectives for 2003/04 | Performance Indicators | TBL Category |
|---|--------------------------------|---------------------|
| 1. To receive the 'Waste Minimisation Fee' for each tonne of refuse accepted, at the rate fixed during the Annual Plan process. | • Receipt of amounts budgeted. | Financial |

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

| | 2002/2003 BUDGET | 2003/2004 BUDGET |
|--|-----------------------------|-----------------------------|
| | \$ | \$ |
| OUTPUT : WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REV] | | |
| DIRECT COSTS | | |
| Waste Minimisation Levy - Cleanfill Audit | 0 | 100,000 |
| | ----- | ----- |
| | 0 | 100,000 |
| ALLOCATED COSTS | | |
| | ----- | ----- |
| | 0 | 0 |
| TOTAL COSTS | 0 | 100,000 |
| REVENUE | | |
| External Revenue | 7,703,401 | 9,405,200 |
| Internal Revenue | 1,452,500 | 1,695,125 |
| | ----- | ----- |
| TOTAL REVENUE | 9,155,901 | 11,100,325 |
| TOTAL NET COST WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE R | (9,155,901) | (11,000,325) |
| | ===== | ===== |
| TOTAL NET COST SOLID WASTE | 1,501,498 | 191,914 |
| | ===== | ===== |

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

OUTPUTS

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

Description Water Supply

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

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

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

OUTPUTS

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

Description Wastewater

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

| Objectives for 2003/04 | Performance Indicators | TBL Category |
|---|---|---------------------|
| 1. To maintain the overall performance of the wastewater system by undertaking a programme of renewals and replacements, improvements and extensions as set out in the Council's Asset Management Plan. | The capital works programme as outlined in the Asset Management Plan is implemented to ensure the overall wastewater infrastructure will continue to perform, and to meet growth and development. Specifically completion within budget by 30 June 2003 of: (a) Stage 1 of Halswell area trunk main upgrade (b) Stage 1 of Bromley Treatment Plant upgrade (c) Annual reticulation renewal programme (d) On schedule to complete No.11 Pump Station upgrade by 30 June 2004 (e) Installation of No.11 Pump Station rising main by 30 June 2004. | Social Financial |

Description Solid Waste

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

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

9.2.48

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

| Description | 2003/2004 | 2004/2005 | 2005/2006 | 2006/2007 | 2007/2008 | 2008/2009 | 2009/2010 | 2010/2011 | 2011/2012 | 2012/2013 |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 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 | | | | | | | | | | |
| Project Management Mains - City Solutions, Geodata & CW&W | 92,717 | 156,000 | 178,000 | 178,000 | 178,000 | 222,000 | 222,000 | 222,000 | 267,000 | 267,000 |
| Replacement Mains | 1,247,000 | 1,247,000 | 1,425,000 | 1,425,000 | 1,425,000 | 1,782,000 | 1,782,000 | 1,782,000 | 2,138,000 | 2,138,000 |
| Project Management Sub-Mains - City Solutions, Geodata & CW&W | 10,402 | 59,000 | 59,000 | 59,000 | 59,000 | 40,000 | 40,000 | 40,000 | 40,000 | 20,000 |
| Replacement Submains | 692,000 | 692,000 | 692,000 | 692,000 | 692,000 | 461,000 | 461,000 | 461,000 | 461,000 | 230,000 |
| Replacement Meters | 151,000 | 151,000 | 151,000 | 151,000 | 151,000 | 151,000 | 151,000 | 151,000 | 151,000 | 151,000 |
| Sub Total | 2,193,119 | 2,305,000 | 2,505,000 | 2,505,000 | 2,505,000 | 2,656,000 | 2,656,000 | 2,656,000 | 3,057,000 | 2,806,000 |
| Note: above estimates include engineering & Geodata Services | | | | | | | | | | |
| Headworks | | | | | | | | | | |
| Replacement Wells | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 |
| Pump Replacements | 135,000 | 135,000 | 170,000 | 135,000 | 170,000 | 135,000 | 170,000 | 135,000 | 170,000 | 135,000 |
| Fuel Tanks | 18,000 | 18,000 | 18,000 | 18,000 | 18,000 | 18,000 | | | | |
| Fitzgerald P/S (Reprogrammed 03/04) | 510,000 | | | | | | | | | |
| Building Replacements | | | | | | 150,000 | 150,000 | | | 150,000 |
| Pipework Replacements | | | | | | | | 100,000 | 100,000 | |
| Primary Switchboard | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 |
| Secondary Switchboard | | 10,000 | | 10,000 | | 10,000 | | 10,000 | | 10,000 |
| Sarters and variable speed | 95,000 | 95,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Grassmere Switchboard | | | | | | | | | | |
| Metering | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| Diesel Replacements | | 130,000 | | | | 130,000 | | 130,000 | | |
| Westmoreland 2 Reservoir Replacement | | 270,000 | | | | | | | | |
| Cashmere Reservoir Replacement | | | 515,000 | 535,000 | | | | | | |
| Huntsbury Joint Replacement | | | | | 100,000 | | | | | |
| Control & Indication | 360,000 | 320,000 | 120,000 | 155,000 | 125,000 | 155,000 | 120,000 | 80,000 | 120,000 | 80,000 |
| Other Renewals / Replacements | | | | | 100,000 | 50,000 | 50,000 | 100,000 | 100,000 | 100,000 |
| Geodata Services | 4,100 | | | | | | | | | |
| Project Management | 51,395 | 67,000 | 61,000 | 63,000 | 51,000 | 44,000 | 44,000 | 47,000 | 44,000 | 43,000 |
| Sub Total | 1,428,495 | 1,300,000 | 1,189,000 | 1,221,000 | 999,000 | 867,000 | 839,000 | 907,000 | 839,000 | 823,000 |
| TOTAL - WATER SUPPLY | 3,621,614 | 3,605,000 | 3,694,000 | 3,726,000 | 3,504,000 | 3,523,000 | 3,495,000 | 3,563,000 | 3,896,000 | 3,629,000 |

9.2.49

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Wastewater | | | | | | | | | | |
| Reticulation | | | | | | | | | | |
| Project Management | 41,608 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 |
| Ex City Solutions - Contract Supervision | 19,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| Ex City Solutions - Data Collection | 23,000 | 23,000 | 23,000 | 23,000 | 23,000 | 23,000 | 23,000 | 23,000 | 23,000 | 23,000 |
| Sewer Renewal - City Wide | 1,610,000 | 1,760,000 | 1,760,000 | 1,760,000 | 1,760,000 | 1,760,000 | 1,760,000 | 1,760,000 | 1,760,000 | 1,760,000 |
| Flow Monitoring | | | | | | | | | | |
| Sewer Grouting Contract | 662,000 | | | | | | | | | |
| Lifelines, Brickbarrel Renewals | | 580,000 | 1,080,000 | 1,080,000 | | | | | | |
| Pumping | | | | | | | | | | |
| Project Management | 20,804 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| P/stn Wiring & Switchgear Renewal | 54,000 | 54,000 | 54,000 | 54,000 | 54,000 | 54,000 | 54,000 | 54,000 | 54,000 | 54,000 |
| P/Stn Upgrades | 80,000 | 100,000 | 162,000 | 162,000 | 162,000 | 162,000 | 162,000 | 162,000 | 162,000 | 162,000 |
| Treatment | | | | | | | | | | |
| Project Management | | 15,300 | 15,300 | 15,300 | 15,300 | 15,300 | 15,300 | 15,300 | 15,300 | |
| Channel Control Gates Replacement | | | | | | 76,500 | | | 102,000 | |
| D Panel Replacement | | | | 120,000 | | | | | 102,000 | |
| Estuary Front Stabilisation | | 55,000 | | | | | 53,040 | | | |
| North Gallery Rewire | | | | | | | | | | 10,000 |
| Sludge Pipe Replacement | | 5,500 | | 5,500 | | 5,508 | 5,500 | | 5,500 | |
| Water pipe replacement | 4,300 | | 4,300 | | 4,300 | | | 106,000 | | |
| Dall Flow Measurement Meters | 56,000 | | | | | | | 54,000 | | |
| Density Meters (2) | 56,000 | | | | | | | | | 80,000 |
| Chanel Wall Repairs | | 100,000 | 100,000 | | | | | | | |
| Pre-aeration Tank Covers | | | | | | | | | | 600,000 |
| Unallocated | | | | | | | 108,000 | 108,000 | 108,000 | 120,000 |
| TOTAL - WASTEWATER | 2,626,712 | 2,773,800 | 3,279,600 | 3,300,800 | 2,176,100 | 2,100,808 | 2,261,840 | 2,363,300 | 2,412,800 | 2,890,000 |
| TOTAL INFRASTRUCTURAL ASSETS | 6,248,326 | 6,378,800 | 6,973,600 | 7,026,800 | 5,680,100 | 5,623,808 | 5,756,840 | 5,926,300 | 6,308,800 | 6,519,000 |

9.2.50

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

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

9.2.52

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Laboratory | | | | | | | | | | |
| Airconditioner Replacements | | | | | | | | | | |
| Atomic Absorbtion Spectrophotometer ICP (Inductively Coupled Plasma) | 150,000 | | | | | | | | | |
| Gas Chromotograph HP5700 &HP5890 | | | 40,800 | 40,800 | | | | | | |
| Graphite Furnace AA | | | | | 170,000 | | | | | |
| Buchi Distiller | | | | | | | | | | 30,000 |
| Kjeldahl Digester | | | 45,900 | | | | 30,000 | | | |
| Microscope | | | | | | | | | | |
| Laboratory Testing & Measuring Equipment | 35,700 | 35,000 | 20,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 |
| Solid Waste | | | | | | | | | | |
| Minor Replacements | 10,000 | 10,000 | 10,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Seal in Compost Plant | 15,800 | | | | | | | | | |
| Support | | | | | | | | | | |
| Equipment & Computer Software | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 |
| TOTAL FIXED ASSETS | 501,200 | 335,304 | 1,435,100 | 1,158,800 | 976,300 | 658,000 | 3,642,700 | 1,836,760 | 2,788,600 | 1,185,000 |
| TOTAL RENEWALS & REPLACEMENTS | 6,749,526 | 6,714,104 | 8,408,700 | 8,185,600 | 6,656,400 | 6,281,808 | 9,399,540 | 7,763,060 | 9,097,400 | 7,704,000 |

9.2.53

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| ASSET IMPROVEMENTS | | | | | | | | | | |
| Infrastructural Assets | | | | | | | | | | |
| Water Supply | | | | | | | | | | |
| Minor Improvements | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | | | | | |
| Control & Indication | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | | | | | |
| Life Lines Mitigating Measure | 50,000 | 62,000 | 50,000 | 11,000 | 80,000 | | | | | |
| Noise Control (diesel running) | 18,000 | 18,000 | 18,000 | 18,000 | 18,000 | | | | | |
| Other Improvements | 30,000 | 18,000 | 30,000 | 69,000 | | | | | | |
| Energy Efficiency Measures | 100,000 | 100,000 | | | | | | | | |
| Security | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | | | | | |
| Control System Improvement | | 30,000 | 30,000 | 30,000 | 30,000 | | | | | |
| Project Management | 51,135 | 51,000 | 51,000 | 51,000 | 51,000 | | | | | |
| Unallocated | | | | | | 209,000 | 209,000 | 209,000 | 209,000 | 209,000 |
| TOTAL - WATER SUPPLY | 369,135 | 399,000 | 299,000 | 299,000 | 299,000 | 209,000 | 209,000 | 209,000 | 209,000 | 209,000 |

9.2.54

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Wastewater | | | | | | | | | | |
| Reticulation | | | | | | | | | | |
| Project Management | 33,486 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 |
| Contract Supervision (Ex City Solutions) | 5,500 | 5,508 | 5,508 | 5,508 | 5,508 | 5,508 | 5,508 | 5,508 | 12,240 | 12,240 |
| Data Collection (Ex City Solutions) | 13,500 | 13,566 | 13,566 | 13,566 | 13,566 | 13,566 | 13,566 | 13,566 | 13,260 | 13,260 |
| P/stn No. 11 Pressure Main Upgrading | 2,300,000 | 1,200,000 | | | | | | | | |
| Lifelines - Ferry Road & Pages Road Bridge Inv. (Rep | 116,700 | | | | | | | | | |
| Fisher Ave to PS20 Trunk | 100,000 | 1,400,000 | | | | | | | | |
| Northern Relief | | | | | | | 800,000 | | | |
| Grassmere storage | | | | | | | 1,000,000 | 500,000 | | |
| Maidstone Storage | | | | | | | | | 1,960,000 | |
| Wigram Augmentation | | | | | | | 720,000 | 1,780,000 | | |
| Riccarton Interceptor | | | | | | | | 800,000 | 1,125,000 | |
| Southern relief improvement | 200,000 | 300,000 | 3,137,520 | 3,084,480 | 3,084,480 | 3,084,480 | 500,000 | | | 3,084,480 |
| Major Trunk Expansion (Inc. SW Sector Expansion | | | | | | | | | | |
| Unallocated | | | | 52,020 | 52,020 | 52,020 | 52,020 | 52,020 | 52,020 | 52,020 |
| Pumping | | | | | | | | | | |
| Project Management - Alloc O/Head - Cost Centre | 20,804 | | | | | | | | | |
| P/stn Paperless Recorders | | | | | | | | | | |
| P/stn 11 Major Upgrade (Reprogrammed 03/04) | 2,200,000 | 2,000,000 | | | | | | | | |
| Treatment Works | | | | | | | | | | |
| Belfast WWTP Upgrade | | | | | 1,623,840 | 1,623,840 | | | | |
| Pump Station B | | | | | | | | | 51,000 | 51,000 |
| Project Management - Alloc O/Head - Cost Centre | 87,400 | | | | | | | | | |
| Expansion of Christchurch Wastewater Treatment Plai | 4,250,000 | | | | | | | | | |
| Waste Water Treatment Plant UV Sterilisation | | | | | | | | | | |
| CWTP Pond Modifications - (Green Edge) | | | | 51,000 | 51,000 | 3,000,000 | 3,000,000 | 3,000,000 | | |
| Header Manifold - Modifications | 50,000 | 500,000 | | | | | | | | |
| Cover Sludge Lagoons/Replacement | 1,085,000 | | | | | | | | | |
| Liquid - Stage 2b Investigation | | | | | | | | | | |
| Filter Pump Switchgear | | | | | | | | 106,000 | 106,000 | |
| Motor Distribution Centre (Above Ground) | | | | | | | 445,000 | | | 150,000 |
| TOTAL - WASTEWATER | 10,462,390 | 5,480,274 | 3,217,794 | 3,267,774 | 4,891,614 | 7,840,614 | 6,597,294 | 6,318,294 | 3,380,720 | 3,424,200 |
| TOTAL INFRASTRUCTURAL | 10,831,526 | 5,879,274 | 3,516,794 | 3,566,774 | 5,190,614 | 8,049,614 | 6,806,294 | 6,527,294 | 3,589,720 | 3,633,200 |

9.2.55

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Fixed Assets | | | | | | | | | | |
| Water Supply | | | | | | | | | | |
| Wastewater | | | | | | | | | | |
| Pumping | | | | | | | | | | |
| Treatment Works | | | | | | | | | | |
| Software (Scada) | 5,400 | | | | | | | 10,600 | | |
| Trickling Filter - Cover Painting | | 21,400 | | | | 54,000 | | | | |
| Trade Waste | | | | | | | | | | |
| Laboratory | | | | | | | | | | |
| Solid Waste | | | | | | | | | | |
| Resource Recovery Centres Upgrade (RMF Managed) | 10,600 | | | | | | | | | |
| Refuse Stations Modifications to accommodate new vehicle | 1,117,700 | 3,530,848 | | | | | | | | |
| Project Management | 20,804 | 17,900 | | | | | | | | |
| Minor Improvements | 20,400 | 20,400 | 20,400 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 | 51,000 |
| Support | | | | | | | | | | |
| Equipment & Computer Software | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 |
| TOTAL FIXED ASSETS | 1,199,904 | 3,615,548 | 45,400 | 76,000 | 76,000 | 76,000 | 130,000 | 86,600 | 76,000 | 76,000 |
| TOTAL ASSET IMPROVEMENTS | 12,031,430 | 9,494,822 | 3,562,194 | 3,642,774 | 5,266,614 | 8,125,614 | 6,936,294 | 6,613,894 | 3,665,720 | 3,709,200 |

9.2.56

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| NEW ASSETS | | | | | | | | | | |
| Infrastructural Assets | | | | | | | | | | |
| Water Supply | | | | | | | | | | |
| Reticulation | | | | | | | | | | |
| Submains | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 |
| Additional infrastructure required for developments | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 |
| New Mains Programme | 309,151 | 326,000 | 326,000 | 226,000 | 726,000 | 126,000 | 126,000 | 626,000 | 626,000 | 126,000 |
| Mt Pleasant New Mains | | | | | | | | | | |
| Ellesmere Trunk Main | | | | | | | | | | |
| Unallocated | | | | | | | | | | |
| Sub Total | 383,151 | 400,000 | 400,000 | 300,000 | 800,000 | 200,000 | 200,000 | 700,000 | 700,000 | 200,000 |
| Note: figures include Geodata Services and Project Management | | | | | | | | | | |
| Headworks | | | | | | | | | | |
| Standby Diesels | | | | | | | | | | |
| Land Purchase for Pump Station | | | | 200,000 | | | | 200,000 | | |
| Bottle Lake Pump Station | | | | | | | | | | |
| New wells for growth | | 200,000 | 200,000 | | 200,000 | | | | 200,000 | |
| Mt Pleasant New Reservoir & Pumps | 132,000 | | | | | | | | | |
| New secondary station (growth) | | | | 200,000 | | | | | | |
| Ellesmere Pump Station | | | | | | | | | | |
| West Zone Reservoir | | | | | | | | | | |
| Other Works - growth and development | | | | | | | | | | |
| New Pump Station Northern Area | | | | | | 700,000 | 700,000 | | | 700,000 |
| New reservoirs (growth) | | | | 270,000 | | | | | | |
| contribution to developer provided headwoRks | 200,000 | | | | | | | | 100,000 | |
| Project Management-Design & Supervision | 31,025 | 16,000 | 16,000 | 54,000 | 16,000 | 56,000 | 56,000 | 16,000 | 24,000 | 56,000 |
| Unallocated | | | | | | | | | | |
| Sub Total | 363,025 | 216,000 | 216,000 | 724,000 | 216,000 | 756,000 | 756,000 | 216,000 | 324,000 | 756,000 |
| New Assets (Recoverable) | | | | | | | | | | |
| New C/Ns (Schedule) - 13mm | 385,000 | 374,000 | 363,000 | 351,000 | 338,000 | | | | | |
| New C/Ns (Schedule) - 19mm | | | | | | | | | | |
| Invoiced Connections | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | | | | | |
| Rural Restricted C/ns | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | | | | | |
| Mains | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | | | | | |

9.2.57

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Submains | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | | | | |
| Geodata Services | 11,535 | 42,000 | 42,000 | 42,000 | 42,000 | | | | | |
| New Connection Administration - Geodata | 58,880 | 76,500 | 76,500 | 76,500 | 76,500 | | | | | |
| Unallocated | | 114,000 | 111,000 | 108,000 | 106,000 | 572,000 | 557,000 | 542,000 | 528,000 | 513,000 |
| Sub Total | 565,415 | 716,500 | 702,500 | 687,500 | 672,500 | 572,000 | 557,000 | 542,000 | 528,000 | 513,000 |
| TOTAL - WATER SUPPLY | 1,311,591 | 1,332,500 | 1,318,500 | 1,711,500 | 1,688,500 | 1,528,000 | 1,513,000 | 1,458,000 | 1,552,000 | 1,469,000 |
| Wastewater | | | | | | | | | | |
| Reticulation | | | | | | | | | | |
| Project Management | 20,804 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Contract Supervision (Ex City Solutions) | 110,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 |
| Data Collection (Ex City Solutions) | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 |
| McSaveney's Road | | | | | | | | | | |
| Chaney's Rural Industrial Zone | | 106,000 | 297,000 | | | | | | | |
| Islington | | | | | | | | | | |
| Reticulation Odour Control | 51,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| New Mains Programme | 108,000 | 106,000 | 106,000 | 106,000 | 106,000 | 106,000 | 106,000 | 106,000 | 106,000 | 106,000 |
| Subdivisions Sewer Cost Share Contributions | 53,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 | 52,000 |
| Pumping | | | | | | | | | | |
| Treatment Works | | | | | | | | | | |
| Project Management - Alloc O/Head - Cost Centre | 114,159 | | | | | | | | | |
| Composting Rag & Grit | 185,600 | | | | | | | | | |
| Lifelines equipment | 35,000 | | | | | | | | | |
| Sludge Dewatering - 2nd press | | | | | | | | | 100,000 | |
| 5th & 6th Digester | 1,000,000 | 3,000,000 | 2,000,000 | | | | | | | |
| Minor Plant | | 30,000 | 30,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 | 53,000 |
| Lifelines Equipment | | | | | | | | | | |
| Ocean Pipeline consent and investigations | 600,000 | 600,000 | 400,000 | 400,000 | | | | | | |
| Ocean Pipeline | | | | 20,000,000 | 25,000,000 | | | | | |
| UV Sterilisation | | | | | | | | | | |
| TOTAL - WASTEWATER | 2,283,563 | 4,052,000 | 3,043,000 | 20,769,000 | 25,369,000 | 369,000 | 369,000 | 369,000 | 469,000 | 369,000 |
| TOTAL INFRASTRUCTURAL ASSETS | 3,595,154 | 5,384,500 | 4,361,500 | 22,480,500 | 27,057,500 | 1,897,000 | 1,882,000 | 1,827,000 | 2,021,000 | 1,838,000 |

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Fixed Assets | | | | | | | | | | |
| Water Supply | | | | | | | | | | |
| Water Supply - Network Model (Project Management) | | | | | 40,000 | | | | 40,000 | |
| Water Supply - Network Model (PAMs Interaction) | | | | | | | | | | |
| Wastewater | | | | | | | | | | |
| 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 | | |
| Thickened Sludge Transfer Pump | | | | | | | | | 80,000 | |
| Unallocated | | | | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Trade Waste | | | | | | | | | | |
| Flow Recording Data Logger | | 15,600 | | | | | 15,600 | | | |
| Isco sampling Machine (Additional) | | | | | | | | | | |
| Trade Waste Samplers | | | | 30,000 | | | | | | |
| Laboratory | | | | | | | | | | |
| Solid Waste | | | | | | | | | | |
| New Canterbury Regional Landfill | 400,000 | | | | | | | | | |
| Closed Landfills Aftercare | 176,476 | 176,476 | 176,476 | 176,476 | 176,476 | 176,476 | 176,476 | 176,476 | 176,476 | 176,476 |
| Closed Landfill Aftercare - Burwood (Stages 2C, 2D, 2E) | | 702,500 | 537,500 | 87,500 | 437,500 | 57,500 | 57,500 | 57,500 | 57,500 | 57,500 |
| Recovered Materials Foundation (RMF) | 604,000 | | | | | | | | | |
| Kerbside Recycling (Bins for population growth - note 1) | 13,900 | 13,900 | 13,900 | 13,900 | 13,900 | 13,900 | 13,900 | 13,900 | 13,900 | 13,900 |
| New Initiatives (eg MRF) | 30,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 |
| Start up Invesel Compost Plant | 2,893,500 | 2,893,500 | 500,000 | | | | | | | |
| Strategic Land Purchase Reserve | | | | | | | | | | |
| Project Management - Invesel Compost Plant | | | | | | | | | | |
| Support | | | | | | | | | | |
| Equipment & Computer Software | 26,000 | 26,000 | 26,000 | 26,000 | 26,000 | 26,000 | 26,000 | 26,000 | 26,000 | 26,000 |
| TOTAL FIXED ASSETS | 4,143,876 | 4,077,976 | 1,503,876 | 613,876 | 973,876 | 553,876 | 711,276 | 987,376 | 673,876 | 553,476 |
| TOTAL NEW ASSETS | 7,739,031 | 9,462,476 | 5,865,376 | 23,094,376 | 28,031,376 | 2,450,876 | 2,593,276 | 2,814,376 | 2,694,876 | 2,391,476 |

9.2.59

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

| Description | 2003/2004 Year 1 | 2004/2005 Year 2 | 2005/2006 Year 3 | 2006/2007 Year 4 | 2007/2008 Year 5 | 2008/2009 Year 6 | 2009/2010 Year 7 | 2010/2011 Year 8 | 2011/2012 Year 9 | 2012/2013 Year 10 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| SUMMARY | | | | | | | | | | |
| RENEWALS & REPLACEMENTS | 6,749,526 | 6,714,104 | 8,408,700 | 8,185,600 | 6,656,400 | 6,281,808 | 9,399,540 | 7,763,060 | 9,097,400 | 7,704,000 |
| ASSET IMPROVEMENTS | 12,031,430 | 9,494,822 | 3,562,194 | 3,642,774 | 5,266,614 | 8,125,614 | 6,936,294 | 6,613,894 | 3,665,720 | 3,709,200 |
| NEW ASSETS | 7,739,031 | 9,462,476 | 5,865,376 | 23,094,376 | 28,031,376 | 2,450,876 | 2,593,276 | 2,814,376 | 2,694,876 | 2,391,476 |
| TOTAL CITY WATER & WASTE | 26,519,987 | 25,671,402 | 17,836,270 | 34,922,750 | 39,954,390 | 16,858,298 | 18,929,110 | 17,191,330 | 15,457,996 | 13,804,676 |
| Annual Plan 2002/2003 | 22,830,753 | 31,479,605 | 26,953,206 | 22,016,906 | 20,584,986 | 14,999,586 | 14,532,686 | 16,572,885 | 16,526,985 | 23,326,946 |
| Annual Plan 2002/2003 Plus 2% | 32,109,198 | 27,492,270 | 22,457,244 | 20,996,686 | 15,299,578 | 14,823,340 | 16,904,342 | 16,857,524 | 23,793,485 | |
| <i>Variance</i> | -5,589,211 | -1,820,867 | -4,620,973 | 13,926,065 | 24,654,813 | 2,034,959 | 2,024,768 | 333,806 | -8,335,488 | |
| <i>Cumulative Variance</i> | -5,589,211 | -7,410,078 | -12,031,052 | 1,895,013 | 26,549,826 | 28,584,785 | 30,609,553 | 30,943,359 | 22,607,871 | |
| SUMMARY - INFRASTRUCTURAL ASSETS / FIXED ASSETS | | | | | | | | | | |
| Water Supply | | | | | | | | | | |
| RENEWALS & REPLACEMENTS | 3,621,614 | 3,605,000 | 3,694,000 | 3,726,000 | 3,504,000 | 3,523,000 | 3,495,000 | 3,563,000 | 3,896,000 | 3,629,000 |
| ASSET IMPROVEMENTS | 369,135 | 399,000 | 299,000 | 299,000 | 299,000 | 209,000 | 209,000 | 209,000 | 209,000 | 209,000 |
| NEW ASSETS | 1,311,591 | 1,332,500 | 1,318,500 | 1,711,500 | 1,688,500 | 1,528,000 | 1,513,000 | 1,458,000 | 1,552,000 | 1,469,000 |
| Total - Water Supply | 5,302,341 | 5,336,500 | 5,311,500 | 5,736,500 | 5,491,500 | 5,260,000 | 5,217,000 | 5,230,000 | 5,657,000 | 5,307,000 |
| Wastewater | | | | | | | | | | |
| RENEWALS & REPLACEMENTS | 2,626,712 | 2,773,800 | 3,279,600 | 3,300,800 | 2,176,100 | 2,100,808 | 2,261,840 | 2,363,300 | 2,412,800 | 2,890,000 |
| ASSET IMPROVEMENTS | 10,462,390 | 5,480,274 | 3,217,794 | 3,267,774 | 4,891,614 | 7,840,614 | 6,597,294 | 6,318,294 | 3,380,720 | 3,424,200 |
| NEW ASSETS | 2,283,563 | 4,052,000 | 3,043,000 | 20,769,000 | 25,369,000 | 369,000 | 369,000 | 369,000 | 469,000 | 369,000 |
| Total - Wastewater | 15,372,665 | 12,306,074 | 9,540,394 | 27,337,574 | 32,436,714 | 10,310,422 | 9,228,134 | 9,050,594 | 6,262,520 | 6,683,200 |
| TOTAL INFRASTRUCTURAL ASSETS | 20,675,006 | 17,642,574 | 14,851,894 | 33,074,074 | 37,928,214 | 15,570,422 | 14,445,134 | 14,280,594 | 11,919,520 | 11,990,200 |
| TOTAL FIXED ASSETS | 5,844,980 | 8,028,828 | 2,984,376 | 1,848,676 | 2,026,176 | 1,287,876 | 4,483,976 | 2,910,736 | 3,538,476 | 1,814,476 |
| TOTAL CITY WATER & WASTE | 26,519,987 | 25,671,402 | 17,836,270 | 34,922,750 | 39,954,390 | 16,858,298 | 18,929,110 | 17,191,330 | 15,457,996 | 13,804,676 |

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

| RESPONSIBLE COMMITTEE: | | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE | | | | |
|--|--|--|--|---|--|-------|
| BUSINESS UNIT: | | CITY WATER AND WASTE | | | | |
| ACTIVITY: | | FEES SCHEDULE | | | | |
| Fees Description | 2002/2003 Present Charge (Inc. GST) | 2002/2003 Ext Revenue From Present Charge (Excl GST) | 2003/2004 Proposed Charge (Incl GST) | 2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST) | 2003/2004 Projected Ext Revenue as a percentage of Total Cost | Notes |
| WASTEWATER | | | | | | |
| Trade Wastes | | | | | | |
| Annual Charges - for flow rate up to 5m ³ / day | Varies from \$135.00 p.a. to \$397.13 p.a. | | Varies from \$135.00 p.a. to \$397.13 p.a. | | | |
| Quarterly Charges - for flow rate over 5m ³ / day | | \$1,800,000 | | \$2,300,000 | | |
| Volume | \$0.36113/m ³ | | \$0.40399/m ³ | | | |
| Suspended Solids | \$0.21431/kg | | \$0.28384/kg | | 100.00% | |
| BOD | \$0.17910/kg | | \$0.21082/kg | | | |
| Tanker Registrations | | | | | 100.00% | |
| | \$18.00/m ³ | \$85,000 | \$18.00/m ³ | \$70,000 | 100.00% | |
| Application Fees | actual costs | \$10,000 | actual costs | \$5,000 | 100.00% | |
| Trade Waste Discharge Analysis | actual costs | \$10,000 | actual costs | \$10,000 | 100.00% | |
| Other Charges | | | | | | |
| Sale of Energy | Varies according to tariff | \$132,000 | Varies according to tariff | \$150,000 | 100.00% | |
| Miscellaneous Sales (Scrap etc) | varies | \$5,600 | varies | \$6,000 | N/A | |
| Sewer Lateral Recoveries | | \$10,000 | | \$10,000 | 100.00% | |
| Acceptance of Airport Sewage | | \$120,000 | | \$100,000 | 100.00% | |
| Acceptance of Selwyn District Sewage | | \$96,000 | | \$105,000 | | |
| CWTP Capacity Upgrade Fee | \$607.50 per connection | \$650,000 | \$607.50 per new lot or new additional dwelling unit | \$738,000 | 100.00% | |
| Cost Sharing Contributions | | \$20,000 | | \$20,000 | 100.00% | |
| Reticulation Capacity Upgrade Fee | | | \$477.00 per new lot or new additional dwelling unit | \$500,000 | 100.00% | |
| Laboratory Services | Varies | \$41,008 | Varies | \$43,581 | 100.00% | |
| Hire of Equipment | | \$0 | | \$0 | 100.00% | |
| Stormwater Inflow Recoveries | | \$2,000 | | \$2,000 | | |
| Geodata - Sale of Plans | \$10.00/ A4 sheet | \$20,000 | \$10.00/ A4 sheet | \$20,000 | 100.00% | |
| TOTAL WASTEWATER | | \$3,001,608 | | \$4,079,581 | | |

| RESPONSIBLE COMMITTEE: | | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE | | | | |
|---|--|--|---|---|--|-------|
| BUSINESS UNIT: | | CITY WATER AND WASTE | | | | |
| ACTIVITY: | | FEES SCHEDULE | | | | |
| Fees Description | 2002/2003 Present Charge (Inc. GST) | 2002/2003 Ext Revenue From Present Charge (Excl GST) | 2003/2004 Proposed Charge (Incl GST) | 2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST) | 2003/2004 Projected Ext Revenue as a percentage of Total Cost | Notes |
| SOLID WASTE | | | | | | |
| Refuse Bag & Other Charges | | | | | | |
| Plastic Bags | \$1.00 | \$665,050 | \$1.00 | \$665,000 | 100.00% | |
| Trailer Nets and Other | varies | \$3,000 | varies | \$3,000 | | |
| Resource Resue Centres | | | | \$0 | 100.00% | |
| Refuse Stations | | | | | | |
| General Refuse - See note (3) | | | | | | |
| All vehicles(both private & commercial) charged by weight at the same rate and classified as "General Refuse" | | | | | | |
| General Refuse (Refuse Stations and Landfill) | \$87.50/tonne | \$11,356,782 | \$97.00/tonne | \$9,668,932 | 100.00% | |
| Private vehicles -Rubble (charged by weight) | \$35.80/tonne | \$159,109 | \$35.80/tonne | \$159,109 | 100.00% | |
| All vehicles minimum charge | \$5.00/load | | \$5.00/load | | | |
| Landfill Direct | | | | | | |
| Hardfill | \$35.80/tonne | \$222,753 | \$35.80/tonne | \$413,684 | 100.00% | |
| General Refuse | \$87.50/tonne | \$1,052,484 | \$97.00/tonne | \$1,272,228 | | |
| Special and Treated Hazardous Waste (01/02 included in General Waste) s | \$110.00/tonne | \$573,999 | \$119.50/tonne | \$334,446 | | |
| Large loads direct to Burwood | | | \$65.00/tonne | \$2,888,907 | | |
| All vehicles minimum charge | \$5.00/load | | \$5.00/load | | | |
| Regional (Waimakariri DC) | \$33.90/tonne | \$391,726 | \$33.90/tonne | \$391,726 | 100.00% | |
| Regional (Ashburton DC) | \$33.90/tonne | \$195,863 | \$33.90/tonne | \$195,863 | 100.00% | |
| Regional (Banks Peninsula DC) | \$33.90/tonne | \$15,066 | \$33.90/tonne | \$15,066 | | |
| Regional (Hurunui DC) | \$33.90/tonne | \$60,266 | \$33.90/tonne | \$54,221 | | |
| Regional (Selwyn DC) | \$33.90/tonne | \$45,199 | \$33.90/tonne | \$45,199 | | |
| Clean Fills | | | | | | |
| Waste Minimisation Levy - Clean Fills | | | \$3.00/tonne | \$680,000 | 100.00% | |
| All vehicles Minimum Charge | \$5.00/load | | \$5.00/load | | | |

| RESPONSIBLE COMMITTEE: | | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE | | | | |
|---|--|--|---|---|--|-------|
| BUSINESS UNIT: | | CITY WATER AND WASTE | | | | |
| ACTIVITY: | | FEES SCHEDULE | | | | |
| Fees Description | 2002/2003 Present Charge (Inc. GST) | 2002/2003 Ext Revenue From Present Charge (Excl GST) | 2003/2004 Proposed Charge (Incl GST) | 2003/2004 Projected Ext Revenue From Proposed Charge (Excl GST) | 2003/2004 Projected Ext Revenue as a percentage of Total Cost | Notes |
| Green Waste - See note (4) | | | | | | |
| Organic Waste | \$52.50/tonne | | \$58.20/tonne | | | |
| Minimum Charge - cars/station wagons | \$3.00/load | | \$3.00/load | | | |
| - all other vehicles (including trailers) | \$4.00/load | | \$4.00/load | | | |
| Mixed Load green / refuse (more than 50% green) | \$71.50/tonne | \$1,589,293 | \$79/tonne | \$1,730,241 | | |
| Mixed Load green / rubble (more than 50% green) | \$55.00/tonne | | \$62.50/tonne | | | |
| Minimum charge (mixed load) | \$5.00/load | | \$5.00/load | | | |
| Compost Sales | | \$50,000 | | \$10,000 | 75.60% | |
| Recycling | | | | | | |
| Commercial Waste Reduction | | \$100 | | \$0 | | |
| Domestic Composting | | \$500 | | \$500 | | |
| Kerbside Recycling Crate Sales | \$8.50/crate | \$500 | \$8.50/crate | \$100 | 100.00% | |
| RMF % return on Kerbside Recyclables | | \$0 | | \$238,500 | | |
| TOTAL SOLID WASTE | | \$16,381,690 | | \$18,766,722 | | |
| | | | | | | |
| TOTAL CITY WATER & WASTE | | \$22,174,298 | | \$25,753,553 | | |

Note (1) A unit is an amount of water flowing through a restrictor that allows a flow of up to 1 cubic metre per day.

Note (2) Excludes internal revenue from water sales to Parks & Waterways and City Streets units.

Note (3) In 2000 the Council resolved to increase the general refuse rate in 3 equal steps over the years 2001/02, 2002/03 and 2003/04 up to the level required when the new Canterbury Regional Landfill opens. The 2002/03 general refuse rate is the third of these three steps. At the same time that the Council resolved to increase the refuse fees it also resolved to fix the greenwaste rate at 60% of the general refuse rate to strike a balance between the need to offer an incentive to the public to recycle greenwaste and the need to (partially) cover the greenwaste processing cost.

Note (4) All greenwaste vehicles (both private & Commercial) now charged by weight at the same rate and classified as "Organic Waste" (rate = 60% of refuse).

9.2.funding

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT AND UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| ACTIVITY: | FUNDING POLICY |

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

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

OUTPUT: WATER BILLING AND MONITORING

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

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

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

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

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

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

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

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

Direct Benefits

Direct Benefits shall be funded from user charges

Control Negative Effects

9.2.funding.7

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

OUTPUT : WATER BILLING AND MONITORING

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|------------------|--------------------|-------------------|----------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 20.00% General Benefits | - | 90,696 | 21,854 | 1,097 | 7,357 | | 121,004 CapValWater |
| 80.00% Direct Benefits | 484,018 | - | - | - | - | | 484,018 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 484,018 | 90,696 | 21,854 | 1,097 | 7,357 | - | 605,022 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 1,185,982 | (888,930) | (214,196) | (10,748) | (72,108) | | - CapValWater |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | 1,185,982 | (888,930) | (214,196) | (10,748) | (72,108) | - | - |
| Total Costs and Modifications | 1,670,000 | (798,234) | (192,342) | (9,652) | (64,751) | - | 605,022 |

Funded By

| | | | | | | | |
|-------------------------------|------------------|------------------|------------------|----------------|-----------------|----------|----------------|
| 276.02% User Charges | 1,670,000 | | | | | | 1,670,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| -176.02% Capital Value Rating | - | (798,234) | (192,342) | (9,652) | (64,751) | - | (1,064,978) |
| 0.00% Uniform Annual Charge | | - | - | - | - | | - |
| Total Funded By | 1,670,000 | (798,234) | (192,342) | (9,652) | (64,751) | - | 605,022 |

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

OUTPUT: INFORMATION AND ADVICE

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

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

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

These accrue from the services to the consumers of water.

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

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

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

General Benefits shall be funded from Water Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.8

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

OUTPUT : INFORMATION AND ADVICE

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|------------------|--------------------|-------------------|--------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 80.00% General Benefits | - | 422,846 | 101,889 | 5,113 | 34,300 | | 564,148 CapValWater |
| 20.00% Direct Benefits | 141,037 | - | - | - | - | | 141,037 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - TableC |
| Total Costs | 141,037 | 422,846 | 101,889 | 5,113 | 34,300 | - | 705,185 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (141,037) | 105,712 | 25,472 | 1,278 | 8,575 | | - CapValWater |
| Non-Rateable | - | - | - | - | - | | - 0 |
| Total Modifications | (141,037) | 105,712 | 25,472 | 1,278 | 8,575 | - | - |
| Total Costs and Modifications | - | 528,558 | 127,361 | 6,391 | 42,875 | - | 705,185 |

Funded By

| | | | | | | | |
|------------------------------|----------|----------------|----------------|--------------|---------------|----------|----------------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 528,558 | 127,361 | 6,391 | 42,875 | - | 705,185 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 528,558 | 127,361 | 6,391 | 42,875 | - | 705,185 |

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

OUTPUT: PLANNING

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

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

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

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

General Benefits (Section 112F(b))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

These accrue from the services to the consumers of water.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

General Benefits shall be funded from Water Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.9

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

OUTPUT : 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> | | | | | | | |
| 80.00% General Benefits | - | 644,107 | 155,203 | 7,788 | 52,249 | | 859,347 CapValWater |
| 20.00% Direct Benefits | 214,837 | - | - | - | - | | 214,837 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 214,837 | 644,107 | 155,203 | 7,788 | 52,249 | - | 1,074,184 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (214,837) | 161,027 | 38,801 | 1,947 | 13,062 | | - CapValWater |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | (214,837) | 161,027 | 38,801 | 1,947 | 13,062 | - | - |
| Total Costs and Modifications | - | 805,134 | 194,004 | 9,735 | 65,311 | - | 1,074,184 |

Funded By

| | | | | | | | |
|------------------------------|---|---------|---------|-------|--------|---|-----------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 805,134 | 194,004 | 9,735 | 65,311 | - | 1,074,184 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 805,134 | 194,004 | 9,735 | 65,311 | - | 1,074,184 |

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

OUTPUT: HEADWORKS

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

Benefits Plentiful potable water for domestic and commercial users.

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

These accrue from the services to the consumers of water.

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

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

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

General Benefits shall be funded from Water Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.10

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

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 | - | 703,277 | 169,461 | 8,504 | 57,048 | | 938,290 CapValWater |
| 80.00% Direct Benefits | 3,753,160 | - | - | - | - | | 3,753,160 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 3,753,160 | 703,277 | 169,461 | 8,504 | 57,048 | - | 4,691,449 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (3,753,160) | 2,813,108 | 677,844 | 34,015 | 228,193 | | - CapValWater |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | (3,753,160) | 2,813,108 | 677,844 | 34,015 | 228,193 | - | - |
| Total Costs and Modifications | - | 3,516,385 | 847,305 | 42,518 | 285,242 | - | 4,691,449 |

Funded By

| | | | | | | | |
|------------------------------|---|-----------|---------|--------|---------|---|-----------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 3,516,385 | 847,305 | 42,518 | 285,242 | - | 4,691,449 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 3,516,385 | 847,305 | 42,518 | 285,242 | - | 4,691,449 |

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

OUTPUT: RETICULATION

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

Benefits Property owners enjoy a plentiful potable water supply

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

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

General Benefits (Section 112F(b))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

These accrue from the services to the consumers of water.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

General Benefits shall be funded from Water Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.11

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

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 | - | 1,036,886 | 249,847 | 12,537 | 84,110 | | 1,383,380 CapValWater |
| 80.00% Direct Benefits | 5,533,521 | - | - | - | - | | 5,533,521 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 5,533,521 | 1,036,886 | 249,847 | 12,537 | 84,110 | - | 6,916,902 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (5,405,521) | 4,051,603 | 976,271 | 48,990 | 328,657 | | - CapValWater |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | (5,405,521) | 4,051,603 | 976,271 | 48,990 | 328,657 | - | - |
| Total Costs and Modifications | 128,000 | 5,088,489 | 1,226,118 | 61,527 | 412,767 | - | 6,916,902 |

Funded By

| | | | | | | | |
|------------------------------|----------------|------------------|------------------|---------------|----------------|----------|------------------|
| 1.85% User Charges | 128,000 | | | | | | 128,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 98.15% Capital Value Rating | - | 5,088,489 | 1,226,118 | 61,527 | 412,767 | - | 6,788,902 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 128,000 | 5,088,489 | 1,226,118 | 61,527 | 412,767 | - | 6,916,902 |

9.2.funding.text.12

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE - WATER SUPPLY |

OUTPUT: CAPITAL WORKS REVENUE

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

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

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

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

General Benefits (Section 112F(b))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

These accrue from the services to the consumers of water.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

General Benefits shall be funded from Water Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.12

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE - WATER SUPPLY |

OUTPUT : CAPITAL WORKS REVENUE

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|------------------|--------------------|-------------------|-----------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 0.00% General Benefits | - | - | - | - | - | - | - CapValWater |
| 0.00% Direct Benefits | - | - | - | - | - | - | - TableC |
| 0.00% Negative Effects | - | - | - | - | - | - | - 0 |
| <i>Total Costs</i> | - | - | - | - | - | - | - |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 1,361,250 | (1,020,298) | (245,850) | (12,337) | (82,764) | - | - CapValWater |
| Non-Rateable | - | - | - | - | - | - | - 0 |
| <i>Total Modifications</i> | 1,361,250 | (1,020,298) | (245,850) | (12,337) | (82,764) | - | - |
| Total Costs and Modifications | 1,361,250 | (1,020,298) | (245,850) | (12,337) | (82,764) | - | - |

Funded By

| | | | | | | | |
|------------------------------|------------------|--------------------|------------------|-----------------|-----------------|----------|-------------|
| 0.00% User Charges | 1,361,250 | | | | | | 1,361,250 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 0.00% Capital Value Rating | - | (1,020,298) | (245,850) | (12,337) | (82,764) | - | (1,361,250) |
| 0.00% Uniform Annual Charge | | - | - | - | - | | - |
| Total Funded By | 1,361,250 | (1,020,298) | (245,850) | (12,337) | (82,764) | - | - |

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

OUTPUT: TRADEWASTE

Description Metering and charging for Industrial liquid waste.

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

Strategic Objectives A3, B2, C1, C3, 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.16

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

OUTPUT : TRADEWASTE

| | <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 | - | - | - | - | - | - | - 0 |
| 100.00% Direct Benefits | 290,390 | - | - | - | - | - | 290,390 TableC |
| 0.00% Negative Effects | - | - | - | - | - | - | - 0 |
| <i>Total Costs</i> | 290,390 | - | - | - | - | - | 290,390 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 2,229,610 | (1,658,518) | (420,459) | (11,474) | (139,160) | - | - CapValSewer |
| Non-Rateable | - | - | - | - | - | - | - 0 |
| <i>Total Modifications</i> | 2,229,610 | (1,658,518) | (420,459) | (11,474) | (139,160) | - | - |
| Total Costs and Modifications | 2,520,000 | (1,658,518) | (420,459) | (11,474) | (139,160) | - | 290,390 |

Funded By

| | | | | | | | |
|-------------------------------|------------------|--------------------|------------------|-----------------|------------------|----------|----------------|
| 867.80% User Charges | 2,520,000 | | | | | | 2,520,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| -767.80% Capital Value Rating | - | (1,658,518) | (420,459) | (11,474) | (139,160) | - | (2,229,610) |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 2,520,000 | (1,658,518) | (420,459) | (11,474) | (139,160) | - | 290,390 |

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

OUTPUT: INFORMATION AND ADVICE

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

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

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

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

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

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

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

General Benefits shall be funded from WasteWater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.17

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

OUTPUT : INFORMATION AND ADVICE

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|-----------------|--------------------|-------------------|--------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 80.00% General Benefits | - | 114,565 | 30,762 | 4,196 | 9,583 | | 159,106 CapValAll |
| 20.00% Direct Benefits | 39,777 | - | - | - | - | | 39,777 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | <u>39,777</u> | <u>114,565</u> | <u>30,762</u> | <u>4,196</u> | <u>9,583</u> | <u>-</u> | <u>198,883</u> |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (19,777) | 14,711 | 3,729 | 102 | 1,234 | | - CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | <u>(19,777)</u> | <u>14,711</u> | <u>3,729</u> | <u>102</u> | <u>1,234</u> | <u>-</u> | <u>-</u> |
| Total Costs and Modifications | <u>20,000</u> | <u>129,276</u> | <u>34,492</u> | <u>4,298</u> | <u>10,817</u> | <u>-</u> | <u>198,883</u> |

Funded By

| | | | | | | | |
|------------------------------|---------------|----------------|---------------|--------------|---------------|----------|----------------|
| 10.06% User Charges | 20,000 | | | | | | 20,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 89.94% Capital Value Rating | - | 129,276 | 34,492 | 4,298 | 10,817 | - | 178,883 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | <u>20,000</u> | <u>129,276</u> | <u>34,492</u> | <u>4,298</u> | <u>10,817</u> | <u>-</u> | <u>198,883</u> |

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

OUTPUT: PLANNING

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

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

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

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

General Benefits (Section 112F(b))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

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

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

General Benefits shall be funded from Wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.18

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

OUTPUT : 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> | | | | | | | |
| 80.00% General Benefits | - | 592,197 | 150,131 | 4,097 | 49,689 | | 796,113 CapValSewer |
| 20.00% Direct Benefits | 199,028 | - | - | - | - | | 199,028 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| Total Costs | 199,028 | 592,197 | 150,131 | 4,097 | 49,689 | - | 995,141 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (199,028) | 148,049 | 37,533 | 1,024 | 12,422 | | - CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| Total Modifications | (199,028) | 148,049 | 37,533 | 1,024 | 12,422 | - | - |
| Total Costs and Modifications | - | 740,246 | 187,663 | 5,121 | 62,111 | - | 995,141 |

Funded By

| | | | | | | | |
|------------------------------|----------|----------------|----------------|--------------|---------------|----------|----------------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 740,246 | 187,663 | 5,121 | 62,111 | - | 995,141 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 740,246 | 187,663 | 5,121 | 62,111 | - | 995,141 |

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

OUTPUT: PUMPING

Description Wastewater is collected and on pumped to the treatment plant

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

Strategic Objectives A3, B2, C1, C3, 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))***

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

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

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

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

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

General Benefits shall be funded from wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.19

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

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 | - | 386,707 | 98,036 | 2,675 | 32,447 | | 519,866 CapValSewer |
| 80.00% Direct Benefits | 2,079,463 | - | - | - | - | | 2,079,463 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 2,079,463 | 386,707 | 98,036 | 2,675 | 32,447 | - | 2,599,328 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (2,079,463) | 1,546,829 | 392,144 | 10,701 | 129,788 | | - CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | (2,079,463) | 1,546,829 | 392,144 | 10,701 | 129,788 | - | - |
| Total Costs and Modifications | - | 1,933,537 | 490,180 | 13,376 | 162,235 | - | 2,599,328 |

Funded By

| | | | | | | | |
|------------------------------|---|-----------|---------|--------|---------|---|-----------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 1,933,537 | 490,180 | 13,376 | 162,235 | - | 2,599,328 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 1,933,537 | 490,180 | 13,376 | 162,235 | - | 2,599,328 |

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

OUTPUT: RETICULATION

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

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

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Direct benefits accrue to those connected to the system

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

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

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

General Benefits shall be funded from Wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.20

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

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 | - | 1,770,682 | 448,894 | 12,250 | 148,571 | | 2,380,396 CapValSewer |
| 80.00% Direct Benefits | 9,521,584 | - | - | - | - | | 9,521,584 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 9,521,584 | 1,770,682 | 448,894 | 12,250 | 148,571 | - | 11,901,980 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (9,474,584) | 7,047,765 | 1,786,712 | 48,757 | 591,350 | | - CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | (9,474,584) | 7,047,765 | 1,786,712 | 48,757 | 591,350 | - | - |
| Total Costs and Modifications | 47,000 | 8,818,447 | 2,235,605 | 61,006 | 739,921 | - | 11,901,980 |

Funded By

| | | | | | | | |
|------------------------------|---------------|------------------|------------------|---------------|----------------|----------|-------------------|
| 0.39% User Charges | 47,000 | | | | | | 47,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 99.61% Capital Value Rating | - | 8,818,447 | 2,235,605 | 61,006 | 739,921 | - | 11,854,980 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 47,000 | 8,818,447 | 2,235,605 | 61,006 | 739,921 | - | 11,901,980 |

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

OUTPUT: BELFAST OPERATIONS & MAINTENANCE

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

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

Strategic Objectives A3, B2, C1, C3, 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))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Direct benefits accrue to those connected to the system.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

General Benefits shall be funded from Wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.21

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

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 | - | 14,871 | 3,770 | 103 | 1,248 | | 19,992 CapValSewer |
| 80.00% Direct Benefits | 79,966 | - | - | - | - | | 79,966 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| Total Costs | 79,966 | 14,871 | 3,770 | 103 | 1,248 | - | 99,958 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (79,966) | 59,484 | 15,080 | 412 | 4,991 | | - CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| Total Modifications | (79,966) | 59,484 | 15,080 | 412 | 4,991 | - | - |
| Total Costs and Modifications | - | 74,355 | 18,850 | 514 | 6,239 | - | 99,958 |

Funded By

| | | | | | | | |
|------------------------------|----------|---------------|---------------|------------|--------------|----------|---------------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 74,355 | 18,850 | 514 | 6,239 | - | 99,958 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 74,355 | 18,850 | 514 | 6,239 | - | 99,958 |

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

OUTPUT: TEMPLETON OPERATIONS & MAINTENANCE

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

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

Strategic Objectives A3, B2, C1, C3, 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))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Direct benefits accrue to those connected to the system.

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

General Benefits shall be funded from Wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.21

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

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 | - | 5,184 | 1,314 | 36 | 435 | | 6,969 CapValSewer |
| 80.00% Direct Benefits | 27,877 | - | - | - | - | | 27,877 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| Total Costs | 27,877 | 5,184 | 1,314 | 36 | 435 | - | 34,847 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (27,877) | 20,737 | 5,257 | 143 | 1,740 | | (0) CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| Total Modifications | (27,877) | 20,737 | 5,257 | 143 | 1,740 | - | (0) |
| Total Costs and Modifications | - | 25,921 | 6,571 | 179 | 2,175 | - | 34,847 |

Funded By

| | | | | | | | |
|------------------------------|----------|---------------|--------------|------------|--------------|----------|---------------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 25,921 | 6,571 | 179 | 2,175 | - | 34,847 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 25,921 | 6,571 | 179 | 2,175 | - | 34,847 |

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

OUTPUT: CHRISTCHURCH WASTE WATER TREATMENT PLANT

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

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

Strategic Objectives A3, B2, C1, C3, 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))**

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Direct benefits accrue to those connected to the system.

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

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

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

General Benefits shall be funded from Wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.22

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

OUTPUT : CHRISTCHURCH WASTE WATER TREATMENT PLANT

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|-----------------|--------------------|-------------------|---------------|---------------------|---------------|-----------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 20.00% General Benefits | - | 1,224,772 | 310,498 | 8,473 | 102,766 | | 1,646,509 CapValSewer |
| 80.00% Direct Benefits | 6,586,036 | - | - | - | - | | 6,586,036 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 6,586,036 | 1,224,772 | 310,498 | 8,473 | 102,766 | - | 8,232,545 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (6,365,036) | 4,734,696 | 1,200,315 | 32,755 | 397,270 | | (0) CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | (6,365,036) | 4,734,696 | 1,200,315 | 32,755 | 397,270 | - | (0) |
| Total Costs and Modifications | 221,000 | 5,959,469 | 1,510,813 | 41,228 | 500,036 | - | 8,232,545 |
| Funded By | | | | | | | |
| 2.68% User Charges | 221,000 | | | | | | 221,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 97.32% Capital Value Rating | - | 5,959,469 | 1,510,813 | 41,228 | 500,036 | - | 8,011,545 |
| 0.00% Uniform Annual Charge | | - | - | - | - | | - |
| Total Funded By | 221,000 | 5,959,469 | 1,510,813 | 41,228 | 500,036 | - | 8,232,545 |

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

OUTPUT: LABORATORY SERVICES

Description Undertakes analysis of waste water and other samples

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

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Direct benefits accrue to those connected to the system

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

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

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

General Benefits shall be funded from Wastewater Rates by Capital Value

Direct Benefits

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

Control Negative Effects

9.2.funding.23

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

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> | | | | | | | |
| 20.00% General Benefits | - | 23,424 | 5,938 | 162 | 1,965 | | 31,490 CapValSewer |
| 80.00% Direct Benefits | 125,958 | - | - | - | - | | 125,958 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 125,958 | 23,424 | 5,938 | 162 | 1,965 | - | 157,448 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 6,490 | (4,827) | (1,224) | (33) | (405) | | 0 CapValSewer |
| Non-Rateable | - | - | - | - | - | | - 0 |
| <i>Total Modifications</i> | 6,490 | (4,827) | (1,224) | (33) | (405) | - | 0 |
| Total Costs and Modifications | 132,448 | 18,597 | 4,714 | 129 | 1,560 | - | 157,448 |

Funded By

| | | | | | | | |
|------------------------------|----------------|---------------|--------------|------------|--------------|----------|----------------|
| 84.12% User Charges | 132,448 | | | | | | 132,448 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 15.88% Capital Value Rating | - | 18,597 | 4,714 | 129 | 1,560 | - | 25,000 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 132,448 | 18,597 | 4,714 | 129 | 1,560 | - | 157,448 |

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE - WASTEWATER |

OUTPUT: CAPITAL WORKS REVENUE

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

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

Strategic Objectives A3, B2, C1, C3, 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**

9.2.funding.24

| | |
|------------------------|--|
| RESPONSIBLE COMMITTEE: | SUSTAINABLE TRANSPORT & UTILITIES COMMITTEE |
| BUSINESS UNIT: | CITY WATER AND WASTE |
| OUTPUT CLASS: | CAPITAL WORKS REVENUE - WASTEWATER |

OUTPUT : CAPITAL WORKS REVENUE

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|------------------|--------------------|-------------------|----------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 0.00% General Benefits | - | - | - | - | - | - | - CapValSewer |
| 0.00% Direct Benefits | - | - | - | - | - | - | - 0 |
| 0.00% Negative Effects | - | - | - | - | - | - | - 0 |
| <i>Total Costs</i> | - | - | - | - | - | - | - |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 1,258,000 | (935,776) | (237,233) | (6,474) | (78,517) | - | - CapValSewer |
| Non-Rateable | - | - | - | - | - | - | - 0 |
| <i>Total Modifications</i> | 1,258,000 | (935,776) | (237,233) | (6,474) | (78,517) | - | - |
| Total Costs and Modifications | 1,258,000 | (935,776) | (237,233) | (6,474) | (78,517) | - | - |

Funded By

| | | | | | | | |
|------------------------------|------------------|------------------|------------------|----------------|-----------------|----------|-------------|
| 0.00% User Charges | 1,258,000 | | | | | | 1,258,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 0.00% Capital Value Rating | - | (935,776) | (237,233) | (6,474) | (78,517) | - | (1,258,000) |
| 0.00% Uniform Annual Charge | | - | - | - | - | | - |
| Total Funded By | 1,258,000 | (935,776) | (237,233) | (6,474) | (78,517) | - | - |

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

OUTPUT: INFORMATION AND ADVICE

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

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

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

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

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

Nature and Distribution of General Benefits

General benefits accrue to all ratepayers.

Direct Benefits (Section 112F(c))

Waste collection services are a direct benefit to serviced properties.

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

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

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

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

Direct Benefits

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

Control Negative Effects

9.2.funding.33

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

OUTPUT : INFORMATION AND ADVICE

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|-----------------|--------------------|-------------------|--------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 80.00% General Benefits | - | 154,754 | 41,554 | 5,668 | 12,945 | | 214,920 CapValAll |
| 20.00% Direct Benefits | 53,730 | - | - | - | - | | 53,730 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| Total Costs | 53,730 | 154,754 | 41,554 | 5,668 | 12,945 | - | 268,651 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (53,730) | 38,689 | 10,388 | 1,417 | 3,236 | | - CapValAll |
| Non-Rateable | - | 12,398 | 3,329 | 454 | (16,181) | | - CapValGen |
| Total Modifications | (53,730) | 51,086 | 13,717 | 1,871 | (12,945) | - | - |
| Total Costs and Modifications | - | 205,840 | 55,271 | 7,539 | - | - | 268,651 |

Funded By

| | | | | | | | |
|------------------------------|----------|----------------|---------------|--------------|----------|----------|----------------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 205,840 | 55,271 | 7,539 | - | - | 268,651 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 205,840 | 55,271 | 7,539 | - | - | 268,651 |

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

OUTPUT: ADVANCED PLANNING

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

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

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

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

General Benefits (Section 112F(b))

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

General Benefits

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

Direct Benefits

Control Negative Effects

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

OUTPUT : ADVANCED PLANNING

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------------|-----------------|--------------------|-------------------|--------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 100.00% General Benefits | - | 229,920 | 61,737 | 8,421 | 19,232 | | 319,310 CapValAll |
| 0.00% Direct Benefits | - | - | - | - | - | | - 0 |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | - | 229,920 | 61,737 | 8,421 | 19,232 | - | 319,310 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | - | - | - | - | - | | - 0 |
| Non-Rateable | - | 14,736 | 3,957 | 540 | (19,232) | | - CapValGen |
| <i>Total Modifications</i> | - | 14,736 | 3,957 | 540 | (19,232) | - | - |
| Total Costs and Modifications | - | 244,656 | 65,693 | 8,961 | - | - | 319,310 |

Funded By

| | | | | | | | |
|------------------------------|---|---------|--------|-------|---|---|---------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 244,656 | 65,693 | 8,961 | - | - | 319,310 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 244,656 | 65,693 | 8,961 | - | - | 319,310 |

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

OUTPUT: COMMERCIAL WASTE REDUCTION

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

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

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

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

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

Nature and Distribution of General Benefits

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

Direct Benefits (Section 112F(c))

Direct benefits accrue to businesses which participate in the programme.

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

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

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

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

Control Negative Effects

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

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 | - | 146,326 | 39,291 | 5,359 | 12,240 | | 203,216 CapValAll |
| 50.00% Direct Benefits | 203,216 | - | - | - | - | | 203,216 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 203,216 | 146,326 | 39,291 | 5,359 | 12,240 | - | 406,432 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (203,216) | 146,326 | 39,291 | 5,359 | 12,240 | | - CapValAll |
| Non-Rateable | - | 18,756 | 5,036 | 687 | (24,479) | | - CapValGen |
| <i>Total Modifications</i> | (203,216) | 165,082 | 44,327 | 6,046 | (12,240) | - | - |
| Total Costs and Modifications | - | 311,409 | 83,617 | 11,406 | - | - | 406,432 |

Funded By

| | | | | | | | |
|------------------------------|----------|----------------|---------------|---------------|----------|----------|----------------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 311,409 | 83,617 | 11,406 | - | - | 406,432 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 311,409 | 83,617 | 11,406 | - | - | 406,432 |

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

OUTPUT: RESOURCE REUSE CENTRES

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

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

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

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

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

Nature and Distribution of General Benefits

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

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

None necessary.

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

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

Direct Benefits

These shall be funded by sales of materials.

Control Negative Effects

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

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 | - | 4,735 | 1,272 | 173 | 396 | | 6,577 CapValAll |
| 0.00% Direct Benefits | - | - | - | - | - | | - 0 |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | - | 4,735 | 1,272 | 173 | 396 | - | 6,577 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | - | - | - | - | - | | - CapValAll |
| Non-Rateable | - | 303 | 81 | 11 | (396) | | - CapValGen |
| <i>Total Modifications</i> | - | 303 | 81 | 11 | (396) | - | - |
| Total Costs and Modifications | - | 5,039 | 1,353 | 185 | - | - | 6,577 |

Funded By

| | | | | | | | |
|------------------------------|---|-------|-------|-----|---|---|-------|
| 0.00% User Charges | - | | | | | | - |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 100.00% Capital Value Rating | - | 5,039 | 1,353 | 185 | - | - | 6,577 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | - | 5,039 | 1,353 | 185 | - | - | 6,577 |

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

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.39

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

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 | - | 1,361,650 | 365,621 | 49,873 | 113,898 | | 1,891,042 CapValAll |
| 50.00% Direct Benefits | 1,891,042 | - | - | - | - | | 1,891,042 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| Total Costs | 1,891,042 | 1,361,650 | 365,621 | 49,873 | 113,898 | - | 3,782,083 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (1,133,442) | 816,138 | 219,144 | 29,893 | 68,267 | | - CapValAll |
| Non-Rateable | - | 139,575 | 37,478 | 5,112 | (182,165) | | - CapValGen |
| Total Modifications | (1,133,442) | 955,713 | 256,622 | 35,005 | (113,898) | - | - |
| Total Costs and Modifications | 757,600 | 2,317,362 | 622,243 | 84,878 | - | - | 3,782,083 |

Funded By

| | | | | | | | |
|------------------------------|----------------|------------------|----------------|---------------|----------|----------|------------------|
| 20.03% User Charges | 757,600 | | | | | | 757,600 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 79.97% Capital Value Rating | - | 2,317,362 | 622,243 | 84,878 | - | - | 3,024,483 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 757,600 | 2,317,362 | 622,243 | 84,878 | - | - | 3,782,083 |

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

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.40

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

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 | - | 648,012 | 174,000 | 23,735 | 54,204 | | 899,951 CapValAll |
| 50.00% Direct Benefits | 899,951 | - | - | - | - | | 899,951 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| Total Costs | 899,951 | 648,012 | 174,000 | 23,735 | 54,204 | - | 1,799,902 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 856,654 | (616,836) | (165,629) | (22,593) | (51,596) | | - CapValAll |
| Non-Rateable | - | 1,998 | 537 | 73 | (2,608) | | - CapValGen |
| Total Modifications | 856,654 | (614,838) | (165,092) | (22,520) | (54,204) | - | - |
| Total Costs and Modifications | 1,756,605 | 33,174 | 8,908 | 1,215 | - | - | 1,799,902 |

Funded By

| | | | | | | | |
|------------------------------|------------------|---------------|--------------|--------------|----------|----------|------------------|
| 97.59% User Charges | 1,756,605 | | | | | | 1,756,605 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 2.41% Capital Value Rating | - | 33,174 | 8,908 | 1,215 | - | - | 43,297 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 1,756,605 | 33,174 | 8,908 | 1,215 | - | - | 1,799,902 |

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

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.41

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

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 | - | 901,673 | 242,111 | 33,025 | 75,422 | | 1,252,232 CapValAll |
| 80.00% Direct Benefits | 2,504,465 | 2,208,938 | 252,951 | 42,576 | - | | 5,008,929 TableGC32 |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 2,504,465 | 3,110,611 | 495,062 | 75,601 | 75,422 | - | 6,261,162 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (1,839,465) | 1,656,213 | 135,548 | 23,258 | 24,445 | | 0 NrProps |
| Non-Rateable | - | 76,518 | 20,546 | 2,803 | (99,867) | | - CapValGen |
| <i>Total Modifications</i> | (1,839,465) | 1,732,731 | 156,095 | 26,061 | (75,422) | - | 0 |
| Total Costs and Modifications | 665,000 | 4,843,342 | 651,157 | 101,662 | - | - | 6,261,162 |

Funded By

| | | | | | | | |
|------------------------------|----------------|------------------|----------------|----------------|----------|----------|------------------|
| 10.62% User Charges | 665,000 | | | | | | 665,000 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 89.38% Capital Value Rating | - | 4,843,342 | 651,157 | 101,662 | - | - | 5,596,162 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 665,000 | 4,843,342 | 651,157 | 101,662 | - | - | 6,261,162 |

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

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, 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))***

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.44

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

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 | - | - | - | - | - | - | - 0 |
| 100.00% Direct Benefits | 5,871,720 | - | - | - | - | - | 5,871,720 TableC |
| 0.00% Negative Effects | - | - | - | - | - | - | - 0 |
| <i>Total Costs</i> | 5,871,720 | - | - | - | - | - | 5,871,720 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | (1,064,315) | 766,363 | 205,779 | 28,069 | 64,104 | - | - CapValAll |
| Non-Rateable | - | 49,116 | 13,188 | 1,799 | (64,104) | - | - CapValGen |
| <i>Total Modifications</i> | (1,064,315) | 815,479 | 218,967 | 29,868 | - | - | - |
| Total Costs and Modifications | 4,807,405 | 815,479 | 218,967 | 29,868 | - | - | 5,871,720 |

Funded By

| | | | | | | | |
|------------------------------|------------------|----------------|----------------|---------------|----------|----------|------------------|
| 81.87% User Charges | 4,807,405 | | | | | | 4,807,405 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 18.13% Capital Value Rating | - | 815,479 | 218,967 | 29,868 | - | - | 1,064,315 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 4,807,405 | 815,479 | 218,967 | 29,868 | - | - | 5,871,720 |

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

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.46

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

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 | - | 930,332 | 249,807 | 34,075 | 77,819 | | 1,292,033 CapValAll |
| 72.00% Direct Benefits | 3,322,371 | - | - | - | - | | 3,322,371 TableC |
| 0.00% Negative Effects | - | - | - | - | - | | - 0 |
| <i>Total Costs</i> | 3,322,371 | 930,332 | 249,807 | 34,075 | 77,819 | - | 4,614,404 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 829,019 | (596,938) | (160,286) | (21,864) | (49,932) | | (0) CapValAll |
| Non-Rateable | - | 21,367 | 5,737 | 783 | (27,887) | | - CapValGen |
| <i>Total Modifications</i> | 829,019 | (575,570) | (154,548) | (21,081) | (77,819) | - | (0) |
| Total Costs and Modifications | 4,151,390 | 354,762 | 95,258 | 12,994 | - | - | 4,614,404 |

Funded By

| | | | | | | | |
|------------------------------|------------------|----------------|---------------|---------------|----------|----------|------------------|
| 89.97% User Charges | 4,151,390 | | | | | | 4,151,390 |
| 0.00% Grants and Subsidies | | - | - | - | - | | - 0 |
| 0.00% Net Corporate Revenues | | - | - | - | - | | - 0 |
| 10.03% Capital Value Rating | - | 354,762 | 95,258 | 12,994 | - | - | 463,014 |
| 0.00% Uniform Annual Charge | | - | - | - | | | - |
| Total Funded By | 4,151,390 | 354,762 | 95,258 | 12,994 | - | - | 4,614,404 |

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

OUTPUT: WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVENUE

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

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

Strategic Objectives A3, B2, C1, C3, 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))

Nature and Distribution of General Benefits

Direct Benefits (Section 112F(c))

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

Control Negative Effects (Section 112F(d))

Modifications Pursuant to Section 12

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

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

General Benefits

Direct Benefits

Control Negative Effects

9.2.funding.47

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

OUTPUT : WASTE MINIMISATION LEVY AND KATE VALLEY EQUALISATION FEE REVENUE

| | <i>Customer</i> | <i>Residential</i> | <i>Commercial</i> | <i>Rural</i> | <i>Institutions</i> | <i>Grants</i> | <i>Total Method</i> |
|--------------------------------|-----------------|--------------------|-------------------|--------------|---------------------|---------------|---------------------|
| Costs and Modifications | | | | | | | |
| <i>Costs</i> | | | | | | | |
| 0.00% General Benefits | - | - | - | - | - | - | - 0 |
| 100.00% Direct Benefits | 100,000 | - | - | - | - | - | 100,000 TableC |
| 0.00% Negative Effects | - | - | - | - | - | - | - 0 |
| <i>Total Costs</i> | 100,000 | - | - | - | - | - | 100,000 |
| <i>Modifications</i> | | | | | | | |
| Transfer User Costs to Rating | 11,000,325 | (7,920,814) | (2,126,846) | (290,114) | (662,551) | - | - CapValAll |
| Non-Rateable | - | (507,647) | (136,310) | (18,594) | 662,551 | - | - CapValGen |
| <i>Total Modifications</i> | 11,000,325 | (8,428,461) | (2,263,156) | (308,708) | - | - | - |
| Total Costs and Modifications | 11,100,325 | (8,428,461) | (2,263,156) | (308,708) | - | - | 100,000 |
| Funded By | | | | | | | |
| 11100.33% User Charges | 11,100,325 | - | - | - | - | - | 11,100,325 |
| 0.00% Grants and Subsidies | - | - | - | - | - | - | - 0 |
| 0.00% Net Corporate Revenues | - | - | - | - | - | - | - 0 |
| - Capital Value Rating | - | (8,428,461) | (2,263,156) | (308,708) | - | - | - (11,000,325) |
| 0.00% Uniform Annual Charge | - | - | - | - | - | - | - |
| Total Funded By | 11,100,325 | (8,428,461) | (2,263,156) | (308,708) | - | - | 100,000 |