

# Community Assets

The main focus for the Community Assets group is the provision of water, wastewater services, stormwater, refuse collection, parks and reserves and library services in the district.

## Strategic Links

The key activities within this group, and the community and strategic outcomes they contribute to are:

### Community Outcomes

### Strategic Goals

|   |  |
|---|--|
| <input type="checkbox"/> <b>Water Supply</b><br>Vibrant Local Communities<br>Thriving Economy                           | Facilitating Community Development<br>Developing Our Economy       |
| <input type="checkbox"/> <b>Wastewater</b><br>Vibrant Local Communities<br>Thriving Economy                             | Facilitating Community Development<br>Developing Our Economy       |
| <input type="checkbox"/> <b>Stormwater</b><br>Vibrant Local Communities<br>Thriving Economy                             | Facilitating Community Development<br>Developing Our Economy       |
| <input type="checkbox"/> <b>Refuse Transfer Stations</b><br>Vibrant Local Communities<br>Sustainable Living Environment | Facilitating Community Development<br>Safeguarding Our Environment |
| <input type="checkbox"/> <b>Refuse</b><br>Vibrant Local Communities<br>Sustainable Living Environment                   | Facilitating Community Development<br>Safeguarding Our Environment |
| <input type="checkbox"/> <b>Landfills</b><br>Vibrant Local Communities<br>Sustainable Living Environment                | Facilitating Community Development<br>Safeguarding Our Environment |
| <input type="checkbox"/> <b>Parks and Reserves</b><br>Vibrant Local Communities<br>Sustainable Living Environment       | Facilitating Community Development<br>Safeguarding Our Environment |
| <input type="checkbox"/> <b>Libraries</b><br>Vibrant Local Communities  | Facilitating Community Development                                 |

## Key Projects

The key operating and capital projects for the group over the life of this plan are as follows:

### Southern Districts water supply extension

- The water supply service area will be extended in the Tamahere, Eureka, Newstead, Puketaha and Gordonton areas.

### Ngaruawahia library extension

- The current library will be extended into the adjacent premises in 2005/06.

### Raglan wastewater treatment upgrade

- The Raglan wastewater treatment plant will be upgraded to treat to 'shellfish quality'.

### Taupiri wastewater system

- The installation of a reticulated wastewater system is planned subject to receipt of a 50% Ministry of Health subsidy.

### Rangiriri wastewater system

- The installation of a reticulated system is planned in 2005/06, subject to a Ministry of Health subsidy.

### Te Kauwhata wastewater upgrade

- The wastewater treatment system will be upgraded to receive and treat wastewater from the proposed corrections facility in 2005/06.

### Public access to west coast beaches

- Beach access will be developed on the west coast with the provision of vehicular access to within 500 metres and walking access on to the beach.

### Raglan Recreation Centre

- The design for this project will be finalised in 2004/05 and a consultation process will be undertaken in 2004/05.

### North Waikato water treatment plant

- An upgrade will be undertaken in 2005/06 to provide additional capacity and to supply water to the proposed corrections facility.

## Negative Effects

At this stage there are no known significant negative effects surrounding most of Council's proposed activities in this area. However, there is an inability to provide affordable recycling opportunities to all areas of the district.

## Key Assets

The key community assets for this activity group include:

### Water

Water supply services are provided to 8242 properties using water supply assets worth \$31,108,000.

|                     |      |
|---------------------|------|
| Treatment Plants    | 6    |
| Storage Reservoirs  | 20   |
| Service Connections | 8242 |
| Water pipes (km)    | 443  |
| Fire hydrants       | 887  |
| Valves              | 1537 |

### Wastewater

Wastewater collection services are provided to 6344 properties utilising wastewater assets worth \$22,875,000.

|                        |      |
|------------------------|------|
| Treatment Plants       | 8    |
| Pumping Stations       | 62   |
| Pumps                  | 119  |
| Wastewater Pipes (km)  | 149  |
| Manholes               | 2217 |
| Wastewater connections | 6344 |

### Urban Stormwater

Council maintains an urban drainage network worth \$4,541,000 in Ngaruawahia, Huntly, Raglan and Te Kauwhata urban centres, to protect communities from flood damage.

|                       |     |
|-----------------------|-----|
| Stormwater pipes (km) | 33  |
| Open drains (km)      | 78  |
| Manholes              | 646 |
| Pump Stations         | 5   |

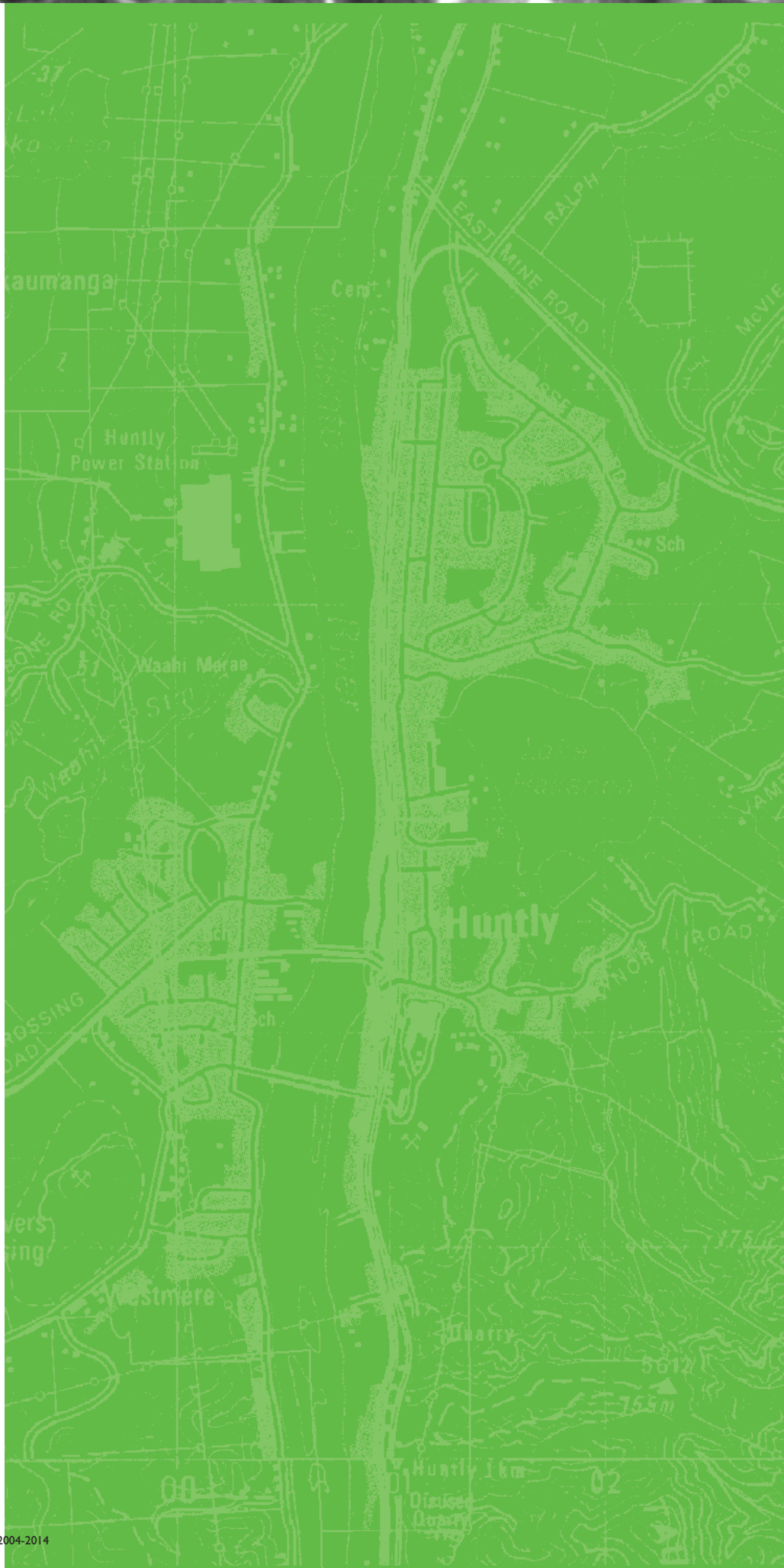
### Rural Drainage

Council maintains a rural drainage reticulation network worth \$9,353,000 over 45 rural drainage areas to provide adequate drainage to farmlands and properties.

|                     |     |
|---------------------|-----|
| Flood Pump Stations | 21  |
| Pumps               | 31  |
| Open Drains (km)    | 267 |

### Refuse

Council operates three refuse transfer stations at Huntly, Te Kauwhata and Raglan. They are valued at \$579,000. These transfer stations were established after the closure of landfills at Huntly, Te Kauwhata and Raglan.



# Water Supply

The provision of high quality, affordable drinking water contributes to the community outcomes of Vibrant Local Communities and a Thriving Economy by encouraging industrial, commercial and residential developments.

Council provides a high quality sustainable water supply to the community for domestic, commercial and farm use. Water from the Waikato River is treated at Council treatment plants at Ngaruawahia, Hopuhopu, Huntly and Te Kauwhata, and distributed to communities around these townships. Council purchases bulk water from Hamilton City and distributes it to communities at Gordonton, Puketaha, Newstead, Eureka, Matangi and Tamahere in the south eastern parts of the district, and Ruffell Road and Stonebridge in the south western parts of the District. The community at Raglan receives its drinking water from a spring, and Te Akau receives water drawn from a bore.

Council ensures that a high standard of production is maintained and monitors water quality to ensure compliance with New Zealand Drinking Water Standards. The Council is required to maintain water services under Section 130 of the Local Government Act 2002. Council also recognises the need to meet the community's expectation of an essential service delivered at an affordable price.

## How we know we are on track

Within the framework of applicable legislation we aim to provide consistent service levels in the following areas.

### Service level

- To provide high quality water treatment and distribution to both urban and rural communities.
- To provide an adequate supply of good quality water, except when the supply may be interrupted during emergencies or scheduled works.
- To ensure availability and reliability of the supply at all times and to ensure speedy response to all customer complaints and requests for service.
- To minimise water losses within the distribution system.

### Checking progress

To sample and monitor water to achieve compliance with the Drinking Water Standards for New Zealand 2000, in accordance with the prescribed schedules in the standard.

To maintain current water supply gradings for treatment and distribution.

Complete all water supply capital and renewal projects for each year by 30 June of that year.

To maintain reservoir levels above 40% full.

To limit the duration of planned shutdowns to a maximum of eight hours per day.

To give customers at least 24 hours' notice before any planned shutdown of the water reticulation system.

To resolve all complaints concerning lack of water supply within three hours of notice.

To reconcile bulk and individual meter readings for metered water supplies to assess system losses and to plan for loss reduction works.

## What we plan to do

### Operating Projects

Includes operation and maintenance of water supply treatment, and distribution of drinking water.

| Water Supply Projects | 2004/05 | 2005/06 | 2006/07 |
|-----------------------|---------|---------|---------|
|                       | \$      | \$      | \$      |
| General District      | 60,500  | 64,000  | 65,000  |
| Hopuhopu              | 60,000  | 61,000  | 61,500  |
| Huntly                | 537,500 | 545,500 | 554,500 |
| Ngaruawahia           | 353,000 | 376,500 | 437,500 |
| Raglan                | 215,500 | 216,500 | 223,500 |
| Taupiri               | 52,500  | 52,500  | 53,000  |
| Northern Waikato      | 363,000 | 389,000 | 436,000 |
| Te Akau               | 6,000   | 6,000   | 6,500   |
| Southern Districts    | 571,500 | 746,500 | 915,000 |
| Western Districts     | 30,000  | 30,000  | 31,000  |

### Mains Renewal Programme

Allows for the renewal of water supply assets.

| Projects   | 2004/05 | 2005/06 | 2006/07 |
|--|---------|---------|---------|
|  | \$      | \$      | \$      |
| Replace asbestos cement and cast iron pipes at Whatawhata Road, State Highway 1 and Durham Street at Ngaruawahia | 97,000  |         |         |
| <i>Replace asbestos cement pipes at:</i>   |         |         |         |
| Bailey Street and Russell Road at Huntly   | 107,000 |         |         |
| Wallis Street, Bayview Road/Cambrae Road Intersection at Raglan  | 55,500  |         |         |
| Main Street and State Highway 1 at Huntly  |         | 108,000 |         |
| Ellery Street and Havelock Road at Ngaruawahia   |         | 97,500  |         |
| Bow Street at Raglan   |         | 55,500  |         |
| Kohekohe Street at Meremere  |         | 25,000  |         |
| State Highway 1 at Huntly South  |         |         | 108,500 |
| Galileo Street at Ngaruawahia  |         |         | 98,000  |
| Upper Cross Street/Snowden Place at Raglan   |         |         | 57,500  |
| Kohekohe Street at Meremere  |         |         | 25,000  |

### Improving Services

Expanding system capacity, or improving quality of service delivery.

| Projects   | 2004/05   | 2005/06   | 2006/07   |
|--|-----------|-----------|-----------|
|  | \$        | \$        | \$        |
| Install powdered carbon activated plant at Huntly  | 50,000    |           |           |
| Replace under-reading water meters at Huntly   | 10,500    | 10,500    | 10,500    |
| Treatment plant capacity upgrade investigations at Ngaruawahia   | 50,000    |           |           |
| Water supply extensions associated with subdivisional development at Ngaruawahia, Horotiu and River Road | 104,500   | 104,500   | 108,000   |
| Replace under-reading water meters at Ngaruawahia  | 11,000    | 11,000    | 11,000    |
| Investigate for supplementary water source at Raglan   | 20,000    |           |           |
| Water treatment plant capacity upgrade works at North Waikato  | 50,000    | 997,500   |           |
| Southern Districts water supply upgrade  | 2,000,000 | 2,000,000 | 2,145,000 |
| Replace under-reading water meters in Southern Districts   | 40,000    | 25,500    | 26,000    |
| Install a chlorine disinfection system at Te Akau  |           | 10,000    |           |
| Upgrade treatment plant capacity at Ngaruawahia  |           |           | 750,000   |

## Major Projects

### Southern Districts Water Supply

Council plans to extend the Southern Districts water supply area over the next three years. The \$6.145 million project will service the increasing number of lifestyle blocks in this area. The expansion costs will be funded from the financial contributions paid by subdividers to join the scheme. The water is currently sourced from Hamilton City. However, a new water treatment plant is being considered.

### North Waikato Water Supply

The water treatment plant will be upgraded and the capacity improved in 2005/06. This will supply water to the proposed corrections facility and provide additional treatment capacity for the future. The majority of the upgrade costs are being funded by the Department of Corrections.

### Carbon Dosing

A powdered activated carbon (PAC) plant will be constructed at Huntly to supply PAC for the Ngaruawahia, Huntly, Hopuhopu and North Waikato supplies. The PAC treatment is an additional level of treatment required to treat the blue-green algae that occurs in the Waikato River from time to time.

### Horsham Downs

An investigation into the expansion of the water supply network in the Horsham Downs area will be undertaken in 2004/05.

## Where we want to go

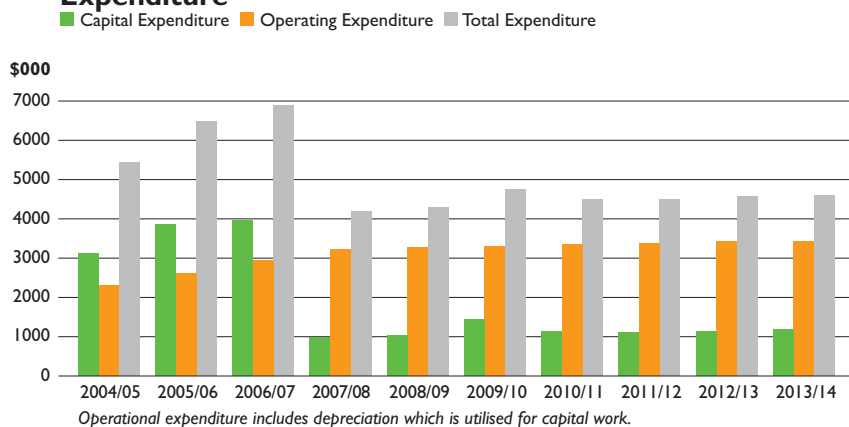
To meet the community's aspirations our focus over the next 10 years will be to:

- operate and maintain water supplies to ensure a high level of water quality production and distribution that complies with New Zealand Drinking Water Standards
- continue with the replacement and rehabilitation of water supply assets to deliver the required level of service
- plan, expand and extend current water treatment facilities and the distribution network to meet future water supply needs
- provide a high quality, cost effective water supply
- undertake a major expansion of the Southern Districts water reticulation over three years at an estimated cost of \$6.145 million.

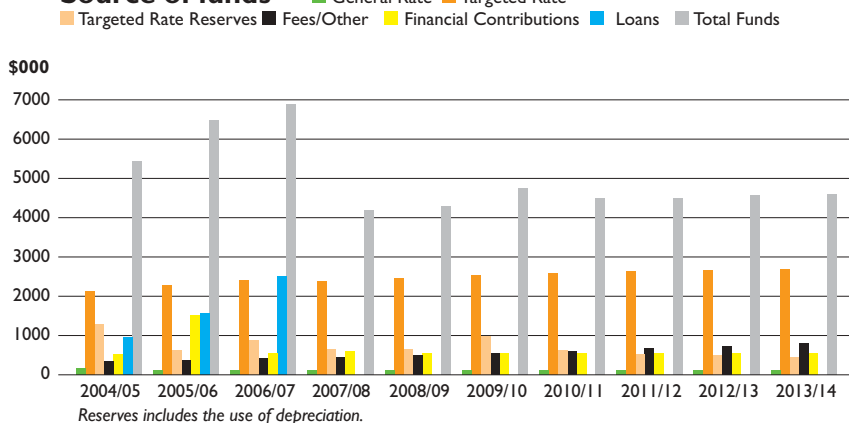
Our long-term focus is to extend water supply facilities to communities that do not have adequate and safe drinking water.

## What we plan to spend

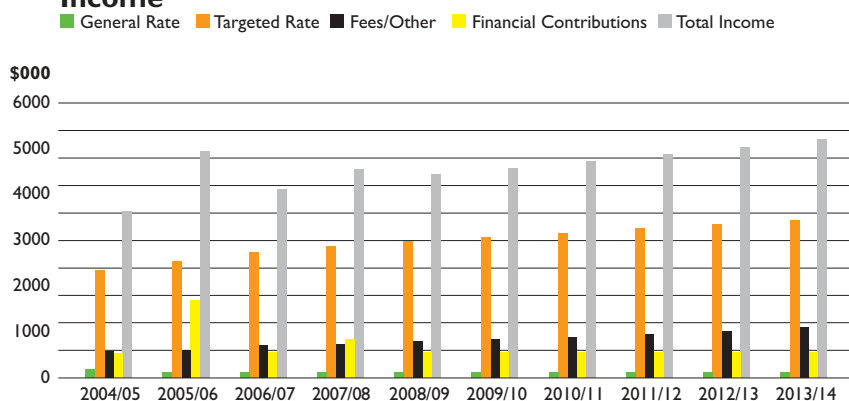
### Expenditure



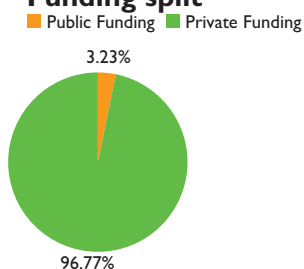
### Source of funds



### Income



### Funding split



## How we know we are on track

### Service level

- To provide a high quality wastewater treatment and disposal service to protect public health while minimising effects on the environment.
- To ensure a speedy response to all customer complaints and requests for service.
- To plan and implement adequate maintenance programmes.

### Checking progress

To sample and monitor treated effluent as required by the resource consent conditions set by Environment Waikato.

Complete all wastewater capital and renewal projects by 30 June for the year in which they relate, subject to a timely receipt of any necessary resource consents.

To action all complaints or requests for service within 12 hours of notice.

To inspect all wastewater treatment plants at least fortnightly.

To inspect all wastewater pump stations once in every three weeks.

# Wastewater

The provision of highly effective and efficient wastewater services contribute to the community outcomes of Vibrant Local Communities and a Thriving Economy.

The Council provides wastewater collection, treatment and disposal for residents in Huntly, Ngaruawahia, Te Kauwhata, Meremere, Raglan, Hopuhopu, Horotiu, with smaller facilities serving some of the residents in Te Kowhai, Matangi and Maramarua. Council aims to provide this service efficiently and effectively to minimise effects on the environment.

Council staff carry out day-to-day operations while the Council manages physical capital works (including upgrading and extending) through the use of external contractors.

## Where we want to go

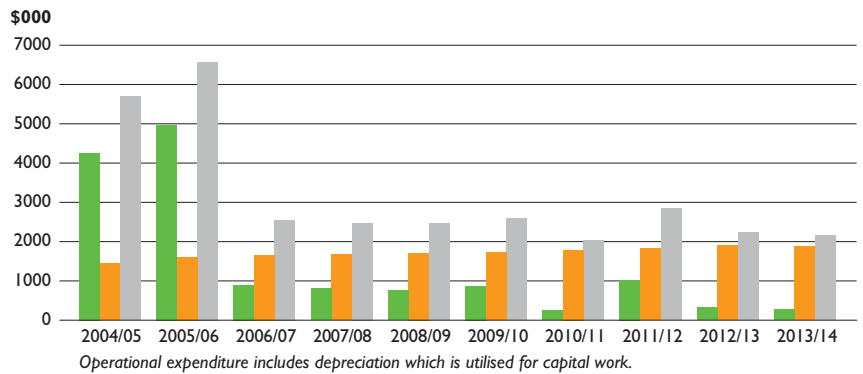
To meet the community's aspirations our focus over the next 10 years will be to:

- operate and maintain wastewater collection, treatment and disposal systems to protect the physical environment and the health of the community
- continue with rehabilitation and replacement of wastewater assets to deliver the required level of service
- expand and improve treatment facilities and the distribution network to meet future needs
- provide wastewater collection, treatment and disposal services at an affordable price
- continue to improve service levels to meet community expectations, and strive to achieve compliance with Environment Waikato discharge consent conditions.

## What we plan to spend

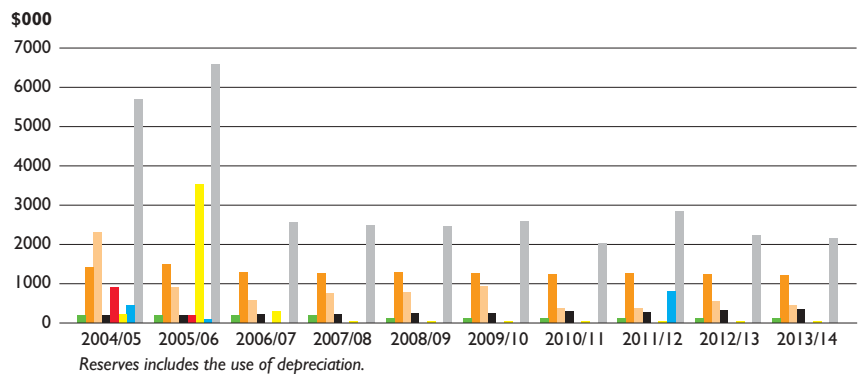
### Expenditure

■ Capital Expenditure ■ Operating Expenditure ■ Total Expenditure



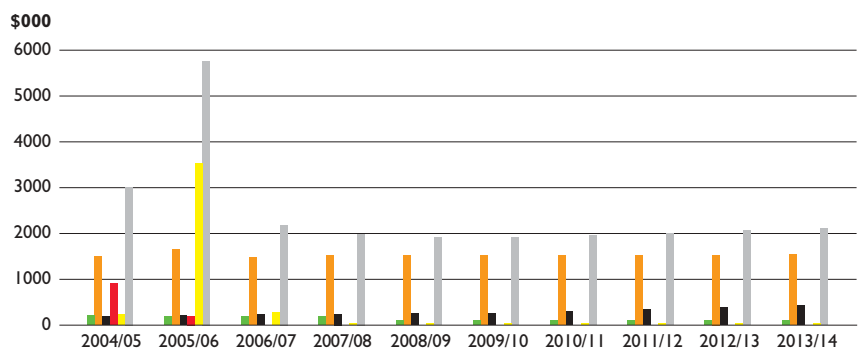
### Source of funds

■ General Rate ■ Targeted Rate ■ Targeted Rate Reserves ■ Fees/Other ■ Grants/Subsidies ■ Financial Contributions ■ Loans ■ Total Funds



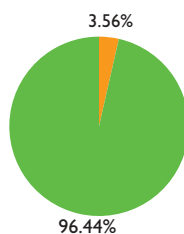
### Income

■ General Rate ■ Targeted Rate ■ Fees/Other ■ Grants/Subsidies ■ Financial Contributions ■ Total Income



### Funding split

■ Public Funding ■ Private Funding





## What we plan to do

### Operating Projects

Includes operation and maintenance of wastewater collection, treatment and disposal.

| Wastewater Projects | 2004/05 | 2005/06 | 2006/07 |
|---------------------|---------|---------|---------|
|                     | \$      | \$      | \$      |
| General District    | 50,000  | 51,000  | 50,500  |
| Hopuhopu            | 20,500  | 21,000  | 21,000  |
| Huntly              | 489,000 | 497,000 | 501,000 |
| Maramarua           | 10,500  | 8,500   | 8,500   |
| Matangi             | 30,000  | 30,500  | 38,500  |
| Meremere            | 44,500  | 43,000  | 43,500  |
| Ngaruawahia         | 290,500 | 293,500 | 296,000 |
| Raglan              | 349,000 | 378,500 | 402,500 |
| Taupiri             | 42,000  | 91,500  | 42,000  |
| Te Kauwhata         | 116,000 | 200,500 | 213,500 |
| Te Kowhai           | 10,000  | 15,000  | 10,500  |

### Asset Renewal Programme

Allows for the renewal of wastewater assets.

| Projects   | 2004/05 | 2005/06 | 2006/07 |
|--|---------|---------|---------|
|  | \$      | \$      | \$      |
| <i>Replace asbestos cement pipes at:</i>                             |         |         |         |
| Simple Street at Huntly  | 70,500  |         |         |
| Thomas Street area at Ngaruawahia                                    | 90,500  |         |         |
| From Taniwha Pump Station to Hall at Meremere                        | 30,000  |         |         |
| Smith Street at Huntly   |         | 71,000  |         |
| Thomas Street area at Ngaruawahia                                    |         | 90,500  |         |
| Repair wavebands at Ngaruawahia treatment plant                      |         | 20,000  |         |
| Replace asbestos cement pipes at Harris Street, Huntly               |         |         | 71,000  |
| Replace asbestos cement pipes at Thomas Street area, Ngaruawahia     |         |         | 90,500  |
| Renew resource consent for wastewater treatment plant at Te Kauwhata |         |         | 33,000  |

### Improving Services (Asset Upgrades and New Assets)

| Projects  | 2004/05   | 2005/06   | 2006/07 |
|---|-----------|-----------|---------|
|   | \$        | \$        | \$      |
| Relocate Matangi Road pump station                      | 34,500    |           |         |
| Upgrade treatment plant at Raglan                       | 1,889,000 | 648,000   | 210,500 |
| Scheme landscaping at Raglan wastewater treatment plant |           | 40,000    |         |
| Infiltration elimination programme at Raglan            | 40,500    | 40,500    | 40,500  |
| Greenslade Road rising main at Raglan                   | 200,000   |           |         |
| Wastewater collection and disposal system at Taupiri    | 1,800,000 |           |         |
| Upgrade wastewater treatment plant at Te Kauwhata       | 62,500    | 3,480,000 |         |
| Infiltration elimination programme at Te Kauwhata       | 40,500    | 20,500    | 11,000  |
| Wastewater collection and disposal system at Rangiriri  |           | 409,000   |         |

### Major Projects

#### Raglan Wastewater Treatment

The consent appeals for this project were heard in the Environment Court in February 2004. The court approved the 15 year resource consent as sought by Council. The upgrade of the wastewater treatment plant will occur in 2004/05 and 2005/06.

The estimated project cost is \$3.5 million.

#### Taupiri Wastewater

Council plans to install a reticulated wastewater system in Taupiri, subject to receiving a 50% Ministry of Health subsidy. The survey of owners showed that of the 40% that responded, 77% were in favour of the scheme.

#### Rangiriri Wastewater

Council plans to install a wastewater reticulation system in Rangiriri and pipe the effluent to Te Kauwhata for treatment and disposal, subject to receiving Ministry of Health subsidy. A public consultation process is scheduled for 2005/06.

#### Te Kauwhata Wastewater Treatment

In order to receive and treat wastewater from the proposed corrections facility, Council intends to upgrade the treatment system, with the majority of the work funded by the Department of Corrections.

#### Whale Bay Wastewater

Council has allocated \$15,000 to investigate the wastewater disposal issues and identify possible solutions at Whale Bay.

# Stormwater

This activity contributes to the community outcome of Thriving Economy through the provision of essential infrastructure.

The Council provides drainage systems to manage surface water run-off from urban and rural catchments in a way that achieves an optimum balance between the level of protection and minimum cost to the community.

Council staff carry out day-to-day operations of urban drainage network, while the Council manages physical capital works (including upgrading and extending) through the use of external contractors.

The rural drainage network is operated and maintained by 45 rural drainage district committees.

Council is required under the provisions of the Resource Management Act to provide drainage services in an environmentally responsible manner. Council recognises the need to meet public expectation of an essential service at an affordable price.

## How we know we are on track

Within the framework of applicable legislation we aim to provide consistent service levels in the following areas.

### Service level

- To minimise effects of stormwater discharges to receiving waters.
- To minimise or eliminate damage to property due to flooding.
- To plan and implement adequate maintenance renewal programmes.

### Checking progress

To sample, monitor and report on compliance with stormwater discharge resource consent conditions.

To complete all stormwater capital and renewal projects for each year by 30 June of each financial year.

To ensure that maintenance programmes for urban drains are completed by 30 April each year.

To ensure that contract works for minor maintenance and inspection of 23 pumping stations is completed by 1 October every year and that all drainage committees are notified of work required and receive financial reports by 1 December every year.

To ensure that the contract for minor maintenance and inspection of the five urban pumping stations in Huntly is completed by 1 October every year.

Review the capital improvement programmes with the Huntly, Ngaruawahia and Raglan Community Boards and the Te Kauwhata Community Committee.

## What we plan to do

### Operating Projects

Provides for the operation and maintenance of stormwater collection, and disposal

| Stormwater Projects | 2004/05 | 2005/06 | 2006/07 |
|---------------------|---------|---------|---------|
|                     | \$      | \$      | \$      |
| General District    | 51,500  | 50,500  | 46,000  |
| Huntly              | 137,000 | 140,000 | 142,500 |
| Ngaruawahia         | 52,000  | 54,500  | 57,000  |
| Raglan              | 51,500  | 49,500  | 50,500  |
| Te Kauwhata         | 14,000  | 14,500  | 15,000  |

### Maintaining Services

#### Minor Works

Allows for minor works that require immediate attention.

| Projects  | 2004/05 | 2005/06 | 2006/07 |
|---|---------|---------|---------|
|   | \$      | \$      | \$      |
| <i>Miscellaneous pipes and manhole replacements in:</i>                             |         |         |         |
| Huntly  | 21,000  | 26,000  | 26,500  |
| Ngaruawahia   | 29,500  | 28,000  | 28,000  |
| Raglan  | 72,000  | 32,000  | 32,000  |
| Te Kauwhata   | 4,500   | 4,500   | 4,500   |
| Miscellaneous stormwater upgrade works at Rangiriri, Horotiu, Taupiri, and Meremere | 10,000  | 10,000  | 10,000  |
| Minor stormwater extensions at Te Kauwhata  |         | 8,000   | 8,000   |

### Asset Renewal Programme

Allows for the renewal of stormwater assets.

| Projects  | 2004/05 | 2005/06 | 2006/07   |
|---|---------|---------|-----------|
|   | \$      | \$      | \$        |
| Renewal of stormwater manholes and pipes at Mary Street, Huntly |         |         | \$114,000 |

## Improving Services

### Raglan Stormwater

Raglan's stormwater system is substandard in many areas, and requires upgrading. The current targeted rate of \$100.00 provides limited funds for upgrades and this will need to increase in future years.

| Projects  | 2004/05 | 2005/06 | 2006/07 |
|---|---------|---------|---------|
|   | \$      | \$      | \$      |
| Stormwater improvements and extensions at Eccles Ave, Te Kauwhata   | 8,000   |         |         |
| <i>Stormwater upgrade works at:</i>                                 |         |         |         |
| Simple Street, Huntly - Stage III                                   | 56,000  |         |         |
| Queen Street/Regent Street, Ngaruawahia                             | 118,500 |         |         |
| Simple Street, Huntly - Stage IV                                    |         | 49,000  |         |
| Patterson Park, Ngaruawahia   | 93,000  |         |         |
| Bankart Street, Raglan  |         | 59,500  |         |
| Stormwater improvement works at River Road/Kent Street, Ngaruawahia |         |         | 81,000  |
| Stormwater improvement at Lazarus Village, Raglan                   |         |         | 65,500  |

## Where we want to go

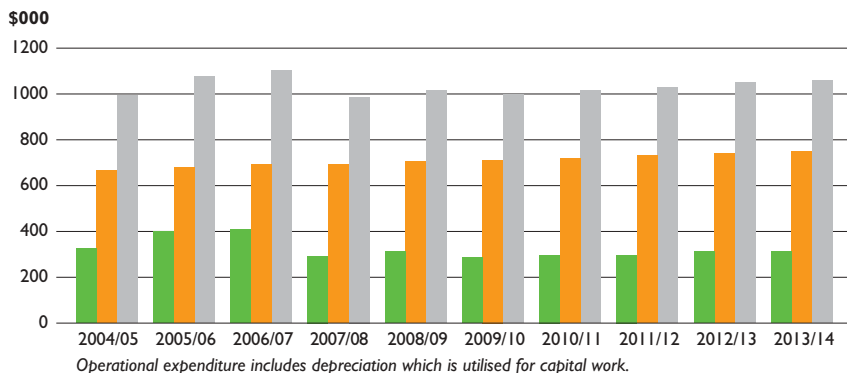
To meet the community's aspirations our focus over the next 10 years will be to:

- contribute to the safety of the community by minimising the incidence of flooding
- minimise property damage from flooding and support economic life of the district
- provide a cost-effective stormwater system which supports development of the district
- improve service levels to meet community expectations, and strive to achieve compliance with Environment Waikato discharge consent conditions.
- obtain from Environment Waikato comprehensive urban storm water discharge consents for urban areas.

## What we plan to spend

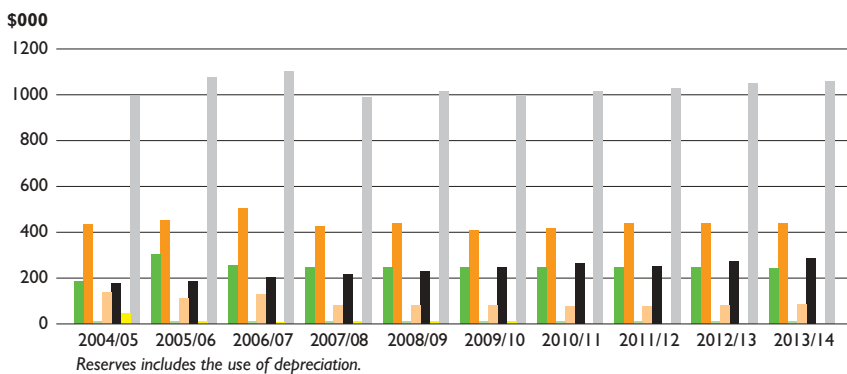
### Expenditure

Capital Expenditure Operating Expenditure Total Expenditure



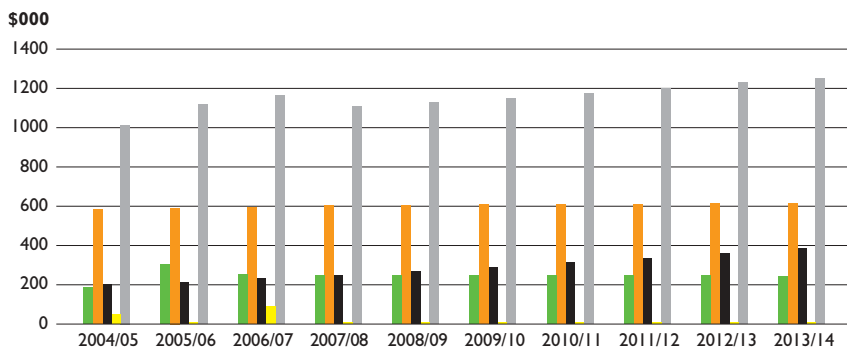
### Source of funds

General Rate Targeted Rate General Rate Reserves  
Targeted Rate Reserves Fees/Other Financial Contributions Total Funds



### Income

General Rate Targeted Rate Fees/Others Financial Contributions Total Income



### Funding split

Public Funding Private Funding

