

Overview

The water supply activity covers the provision of a safe, reliable and potable supply of water for domestic, business and fire fighting purposes to urban Upper Hutt and parts of the rural areas.

Bulk water is purchased from the Greater Wellington Regional Council and stored in the city council's reservoirs prior to distribution to householders and businesses within the supply area.

For a number of years now the water supply system has consistently achieved an Aa grading from the Ministry of Health. This is the highest possible standard, and means that there is the lowest possible risk of contamination to the water supply and distribution systems. In terms of the most recent assessment our network - we were rated 'a' and water treatment was rated 'A'.

Part of the regional water supply system is located in Upper Hutt, including the water catchment areas, treatment station, bulk water mains and bulk water storage lakes at Kaitoke. These are not part of the City Council's responsibility.

The council owns 16 reservoirs, 8 pump stations, 276km of water mains, 12,204 service connections, 1518 hydrants, and 3302 valves with a total replacement value of \$101 million. For more information refer to the Water Supply Asset Management Plan 2010, the Telemetry Asset Management Plan 2010, and the Water Supply Disaster Recovery Plan 2009.

The Assessment of Water and Sanitary Services 2005 discusses the provision of water supply services in Upper Hutt City. The key focus of the Assessment is the protection of public health in the city.

The water supply activity directly supports the achievement of a number of strategic objectives and community outcomes. By providing a safe and reliable potable water supply the council aims to safeguard public health and safety, protect our environment from pollution, encourage sustainability through water conservation, as well as support the economic growth of the city.

Legislative requirements include:

- section 130 of the Local Government Act 2002 requires council to provide water services and maintain the capacity to do so
- sections 23 and 29 of the Health Act 1956 requires council to "*improve, promote and protect public health*" within the district as necessary. Section 29 defines what constitutes a nuisance for the purposes of the Act. The term nuisance includes situations that may arise if no water supply services are provided. Section 30 states that it is an offence to let a nuisance continue.

Proposed project:

Emerald Hill Pressure Management Project

The purpose of this project is to integrate the Emerald Hill water supply area into the Timberlea water reservoirs reticulation and use the capacity of Emerald Hill reservoir more effectively.

\$102,000 has been set aside for the work that will be carried out this year.

Water supply

Level of service objectives and performance measures

Objective

Council will maintain a high quality water supply with minimal interruptions.

1. Quality

Indicator	
Performance Measure	NZ Drinking Water Standard
Target 2011-12	Maintenance of our existing Aa grading ²

2. Satisfaction

Indicator	
Performance Measure	Community satisfaction with the reticulated water supply service
Target 2011-12	95 percent of survey respondents are satisfied or very satisfied ¹

3. Continuity of supply

Indicator	
Performance Measure	Interruptions to the water supply
Target 2011-12	<ul style="list-style-type: none">95 percent of individual consumers who experience water disruptions have the service restored within two hours³Fewer than four supply cuts per 100 connections³

4. System integrity

Indicator	
Performance Measure	Monitor minimum night flow between 1:00am and 4:30am
Target 2011-12	Annual average minimum night flow not to exceed 65 litres per second ⁴

5. Consumption

Indicator	
Performance Measure	Overall reduction in residential consumption
Target 2011-12	Reduce residential consumption to 250m ³ per year or below

Water supply

Objective

Council will provide a water supply that meets the requirements for fire fighting.

6. Fire standards

Indicator	
Performance Measure	Meet fire fighting requirements for water supply
Target 2011-12	95 percent of fire hydrants tested meet pressure and flow requirements specified in the Code of Practice for Fire Fighting Water Supplies ⁵

Objective

Council will undertake capital and asset management works in a cost effective manner.

7. Works

Indicator	
Performance Measure	Completion of Capital Works
Target 2011-12	Works completed within budget (Refer to Work Programme)

¹Annual Community Survey

²Ministry of Health Rating

³In-house monitoring of maintenance contract

⁴In-house monitoring using bulk and area meters

⁵Monitoring of data supplied by New Zealand Fire Service

Works programme	Forecast LTCCP Year 3 2011-12 (\$000)	Forecast Annual Plan Year 3 2011-12 (\$000)	Forecast Variation Year 3 2011-12 (\$000)	Source of Funding 2011-12
Asset management				
Pipeline renewal	1,287	1,120	(167)	Targeted rates
Miscellaneous works	15	18	3	Targeted rates
Capital works				
Pressure management	106	102	(4)	Loans
Total capital works expenditure	1,408	1,240	(168)	

Water supply

Cost of service statement	Forecast Annual Plan Year 2 2010-11 (\$ 000)	Forecast LTCCP Year 3 2011-12 (\$ 000)	Forecast Annual Plan Year 3 2011-12 (\$ 000)	Forecast Variation Year 3 2011-12 (\$ 000)
Operating statement				
General rates	3,884	4,337	4,358	21
Operating income	1,532	1,577	1,445	(132)
Total operating revenue	5,416	5,914	5,803	(111)
Operating costs				
Operating costs	4,206	4,370	4,403	33
Interest	49	39	39	0
Depreciation	1,267	1,102	1,208	106
Total operating costs	5,522	5,511	5,650	139
Operating surplus/(deficit)	(106)	403	153	(250)
Capital and reserves funding statement				
Capital expenditure	1,340	1,408	1,240	(168)
Loans repayments	74	63	63	0
Operating (surplus)/deficit	106	(403)	(153)	250
Transfer to funds	0	0	0	0
Total funding required	1,520	1,068	1,150	82
Funding from non-cash expenses				
Funding from non-cash expenses	948	790	876	86
Loans raised	0	106	102	(4)
Transfer from funds	172	172	172	0
Accumulated funds	400	0	0	0
Transfer from funds applied	1,520	1,068	1,150	82