

Water supply

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 is rated 'a' and water treatment is 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 Upper Hutt City Council's responsibility.

The Council owns 16 reservoirs, 8 pump stations, 272km of water mains, 12,233 service connections, 1,516 hydrants and 3,536 valves with a total replacement value of \$99.8 million. For more information refer to the Water Supply Asset Management Plan 2008, the Telemetry Asset Management Plan 2009 and the Water Supply Disaster Recovery Plan 2007.

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 the environment, 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; and
- 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.

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Level of service objectives and performance measures

Indicator	Performance measure	Target 2010/11
Objective:	Council will maintain a high quality water supply with minimal interruptions.	
1 QUALITY	NZ Drinking Water Standard	Maintenance of our existing Aa grading ²
2 SATISFACTION	Community satisfaction with the reticulated water supply service	95% of survey respondents are satisfied or very satisfied ¹
3 CONTINUITY OF SUPPLY	Interruptions to the water supply	95% of individual consumers who experience water disruptions have the service restored within two hours ³ Fewer than four supply cuts per 100 connections ³
4 SYSTEM INTEGRITY	Monitor minimum night flow between 1.00am and 4.30am	Annual average minimum night flow not to exceed 65 litres per second ⁴
5 CONSUMPTION	Overall reduction in residential consumption	Reduce residential consumption to 250m ³ per year or below
Objective:	Council will provide a water supply that meets the requirements for fire fighting.	
6 FIRE STANDARDS	Meet fire fighting requirements for water supply	95% 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	Completion of capital works	Works completed within budget (refer to works programme)

¹ Annual Community Survey

² Ministry of Health Rating

³ In-house monitoring of maintenance contract

⁴ In-house monitoring using bulk and area meters

⁵ Monitoring of data supplied by New Zealand Fire Service

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WORKS PROGRAMME	Forecast LTCCP Year 2 2010/11 (\$000)	Forecast Annual Plan Year 2 2010/11 (\$000)	Forecast Variation Year 2 2010/11 (\$000)	Source of Funding 2010/11
	Asset management			
Pipeline renewal	915	1,315	400	Targeted Rates
Miscellaneous works	25	25	0	Targeted Rates
Total works programme expenditure	940	1,340	400	

COST OF SERVICE STATEMENT	Forecast Annual Plan Year 1 2009/10 (\$ 000)	Forecast LTCCP Year 2 2010/11 (\$ 000)	Forecast Annual Plan Year 2 2010/11 (\$ 000)	Forecast Variation Year 2 2010/11 (\$ 000)
	Operating Statement			
Rates	3,994	3,902	3,884	(18)
Operating Income	1,495	1,538	1,532	(6)
Total Operating Revenue	5,489	5,440	5,416	(24)
Operating Costs	4,076	4,259	4,206	(53)
Interest	48	40	49	9
Depreciation	1,113	1,110	1,267	157
Total Operating Costs	5,237	5,409	5,522	113
Operating Surplus/(Deficit)	252	31	(106)	(137)
Capital and Reserves Funding Statement				
Capital Expenditure	1,169	940	1,340	400
Loans Repayments	74	74	74	0
Operating (Surplus)/Deficit	(252)	(31)	106	137
Transfer to Funds	0	0	0	0
Total Funding Required	991	983	1,520	537
Funding from Non-Cash Expenses	819	811	948	137
Loans Raised	0	0	0	0
Transfer from Funds	172	172	172	0
Accumulated Funds	0	0	400	400
Transfer from Funds Applied	991	983	1,520	537