

## 10.0 Water Supply



The Hauraki District Council owns and operates eight water supply systems that service the communities of Paeroa, Karangahake, Ohinemuri, Kaimanawa, Mackaytown, Waihi, Waikino, Ngatea, Kerepehi and Turua, and the rural communities of the Plains.

The reticulated water supplies range in size from a major supply with three sources supplying most of the Plains Ward, to a small supply servicing the Karangahake area.

The supplies have varying degrees of treatment and water quality.

The Hauraki District Council's goal in respect of the water supply activity is to ensure the collection, treatment and distribution of potable water to meet all reasonable requirements of the District's water consumers.

Focus	Emphasis	Achievements																										
<p><b>10.1</b> To operate the water supplies within the Hauraki District in compliance with requirements of the Resource Management Act, Council Bylaws and other relevant legislation.</p>	<p><b>10.1.1</b> To ensure compliance with volume controls of all current water take rights is achieved 100% of the time within the planning period.</p>	<p><b>10.1.1</b> <b>Not Achieved</b></p> <table border="1"> <thead> <tr> <th>Scheme</th> <th>Volume Compliance</th> </tr> </thead> <tbody> <tr> <td>Waihi</td> <td>Achieved: 100%</td> </tr> <tr> <td>Waikino</td> <td>Not Achieved: 75%</td> </tr> <tr> <td>Karangahake</td> <td>Not Achieved: 99%</td> </tr> <tr> <td>Mackaytown</td> <td>Not Achieved: 93%</td> </tr> <tr> <td>Ohinemuri</td> <td>Not Achieved: 94%</td> </tr> <tr> <td>Huirau</td> <td>Achieved: 100%</td> </tr> <tr> <td>Kaimanawa</td> <td>Achieved: 100%</td> </tr> <tr> <td>Paeroa</td> <td>Not Achieved: 98%</td> </tr> <tr> <td>Waihou</td> <td>Achieved: 100%</td> </tr> <tr> <td>Suicide</td> <td>Achieved: 100%</td> </tr> <tr> <td>Steen</td> <td>Not Achieved: 56%</td> </tr> <tr> <td>Bores</td> <td>Achieved: 100%</td> </tr> </tbody> </table> <p>Average: 93% district wide.</p>	Scheme	Volume Compliance	Waihi	Achieved: 100%	Waikino	Not Achieved: 75%	Karangahake	Not Achieved: 99%	Mackaytown	Not Achieved: 93%	Ohinemuri	Not Achieved: 94%	Huirau	Achieved: 100%	Kaimanawa	Achieved: 100%	Paeroa	Not Achieved: 98%	Waihou	Achieved: 100%	Suicide	Achieved: 100%	Steen	Not Achieved: 56%	Bores	Achieved: 100%
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<p><b>10.2</b> Renew all resource consents that expire within the planning period and preparing for the renewal of consents due to expire in the next 3 to 5 years.</p>	<p><b>10.2.1</b> To obtain resource consents for the long term water supply option for Waihi.</p> <p><b>10.2.2</b> To obtain consents, if required, to decommission the Ohinemuri Dam.</p>	<p><b>10.2.1</b> <b>Not Achieved</b> Awaiting report investigating source options.</p> <p><b>10.2.2</b> <b>Achieved</b> Discussions with Environment Waikato have concluded there is no need to obtain a consent for the removal of the dam.</p>																										
<p><b>10.3</b> To manage the water supply activity in accordance with the levels of service as agreed through the Asset Management Plan process.</p>	<p><b>10.3.1</b> To replace at least 4.0km of water mains within budget throughout the district.</p>	<p><b>10.3.1</b> <b>Not Achieved</b> Paeroa Freshlook was programmed, but community consultation resulted in project deferral.</p>																										

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	<p><b>10.3.2</b> In 90% of cases, Council will undertake sufficient repairs within 12 hours of receiving notification of a water break, to maintain a normal level of service.</p>	<p><b>10.3.2</b> <b>Achieved</b> 306 out of 307 (99.7%) breaks this year were repaired adequately within 12 hours.</p>																																																																		
	<p><b>10.3.3</b> To have no more than 450 breaks in water mains and services, district-wide, within the planning period.</p>	<p><b>10.3.3</b> <b>Achieved</b> 307 breaks for the 2003/04 year.</p>																																																																		
	<p><b>10.3.4</b> To ensure the following routine tests undertaken at the Water Treatment Plants meet the following parameters:</p> <p>E.coli: Not detected for 95% of tests.</p> <p>Regular Chlorine Tests: 0.3 - 5.0 mg/l for 95% of tests.</p> <p>Regular pH Tests: {6.5 - 8.0} for 90% of tests.</p>	<p><b>10.3.4</b> <b>Not Achieved:</b></p> <table border="1" data-bbox="954 846 1347 1249"> <thead> <tr> <th>Location</th> <th>E.coli</th> </tr> </thead> <tbody> <tr><td>Waitakaruru</td><td>Achieved: 98%</td></tr> <tr><td>Kerepehi</td><td>Achieved: 100%</td></tr> <tr><td>Huirau Road</td><td>Not achieved: 92%</td></tr> <tr><td>Kaimanawa</td><td>Not achieved: 91%</td></tr> <tr><td>Paeroa</td><td>Achieved: 100%</td></tr> <tr><td>Ohinemuri</td><td>Achieved: 100%</td></tr> <tr><td>Mackaytown</td><td>Not achieved: 82%</td></tr> <tr><td>Karangahake</td><td>Achieved: 100%</td></tr> <tr><td>Waikino</td><td>Achieved: 100%</td></tr> <tr><td>Waihi</td><td>Achieved: 100%</td></tr> </tbody> </table> <table border="1" data-bbox="954 1279 1347 1711"> <thead> <tr> <th>Location</th> <th>FAC</th> </tr> </thead> <tbody> <tr><td>Waitakaruru</td><td>Achieved: 99%</td></tr> <tr><td>Kerepehi</td><td>Achieved: 99%</td></tr> <tr><td>Huirau Road</td><td>Not achieved: 92%</td></tr> <tr><td>Kaimanawa</td><td>Not achieved: 92%</td></tr> <tr><td>Paeroa</td><td>Achieved: 95%</td></tr> <tr><td>Ohinemuri</td><td>Achieved: 97%</td></tr> <tr><td>Mackaytown</td><td>Not achieved: 93%</td></tr> <tr><td>Karangahake</td><td>Achieved: 99%</td></tr> <tr><td>Waikino</td><td>Not achieved: 94%</td></tr> <tr><td>Waihi</td><td>Achieved: 95%</td></tr> </tbody> </table> <table border="1" data-bbox="954 1740 1347 2051"> <thead> <tr> <th>Location</th> <th>pH</th> </tr> </thead> <tbody> <tr><td>Waitakaruru</td><td>Achieved: 94%</td></tr> <tr><td>Kerepehi</td><td>Achieved: 96%</td></tr> <tr><td>Huirau Road</td><td>Not measured</td></tr> <tr><td>Kaimanawa</td><td>Not measured</td></tr> <tr><td>Paeroa</td><td>Achieved: 100%</td></tr> <tr><td>Ohinemuri</td><td>Not measured</td></tr> <tr><td>Mackaytown</td><td>Not measured</td></tr> <tr><td>Karangahake</td><td>Achieved: 93%</td></tr> <tr><td>Waikino</td><td>Not measured</td></tr> <tr><td>Waihi</td><td>Achieved: 96%</td></tr> </tbody> </table>	Location	E.coli	Waitakaruru	Achieved: 98%	Kerepehi	Achieved: 100%	Huirau Road	Not achieved: 92%	Kaimanawa	Not achieved: 91%	Paeroa	Achieved: 100%	Ohinemuri	Achieved: 100%	Mackaytown	Not achieved: 82%	Karangahake	Achieved: 100%	Waikino	Achieved: 100%	Waihi	Achieved: 100%	Location	FAC	Waitakaruru	Achieved: 99%	Kerepehi	Achieved: 99%	Huirau Road	Not achieved: 92%	Kaimanawa	Not achieved: 92%	Paeroa	Achieved: 95%	Ohinemuri	Achieved: 97%	Mackaytown	Not achieved: 93%	Karangahake	Achieved: 99%	Waikino	Not achieved: 94%	Waihi	Achieved: 95%	Location	pH	Waitakaruru	Achieved: 94%	Kerepehi	Achieved: 96%	Huirau Road	Not measured	Kaimanawa	Not measured	Paeroa	Achieved: 100%	Ohinemuri	Not measured	Mackaytown	Not measured	Karangahake	Achieved: 93%	Waikino	Not measured	Waihi	Achieved: 96%
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	<b>10.3.5</b> To complete the repair works to the internal surface of the Kerepehi Raw Water Reservoir by 30 June 2004.	<b>10.3.5</b> <b>Not Achieved</b> Error in target. It was programmed to complete the repair works to the external surface of the Kerepehi Raw Water Reservoir by 30 June 2004. This was completed in March 2004.
	<b>10.3.6</b> To undertake the capital works provided for in the annual plan estimates.	<b>10.3.6</b> <b>Not Achieved</b> All capital works were undertaken excluding the Council approved deferral of Paeroa Freshlook works.

### Costs and Funding – Water Supply

<i>Actual</i> <b>2002-03</b> \$000's		<b>Actual</b> <b>2003-04</b> \$000's	<b>Budget</b> <b>2003-04</b> \$000's
	<b>Cost of Service</b>		
746	Treatment	742	680
347	Reticulation	303	314
230	Intakes and Headworks	152	218
135	Fixed Costs	101	79
272	Overheads	289	288
233	Major Maintenance	58	148
52	Other	67	56
230	Internal Interest	170	224
<u>888</u>	Decline in Service Potential	<u>874</u>	<u>888</u>
<b>3,133</b>	<b>Total Gross Cost Of Service</b>	<b>2,756</b>	<b>2,895</b>
	<b>Less Fees and Charges</b>		
<u>3,775</u>	Meter Charges	<u>3,679</u>	<u>3,677</u>
<b>3,775</b>	<b>Total Fees And Charges</b>	<b>3,679</b>	<b>3,677</b>
7	<b>Less Other Targeted Rates</b>	7	6
<b>(649)</b>	<b>NET COST OF SERVICE</b>	<b>(930)</b>	<b>(788)</b>