

SEWERAGE

Provide liquid waste transport, treatment and refuse services in a manner that will enhance the health, safety and convenience of the Christchurch community, and meet the needs of a growing city in conformity with the intentions of district and regional plans.

The sewage collection system serves all of the Christchurch City urban area and comprises 1,353 km of sewer mains, 79 pumping stations, approximately 20,000 manholes, 1,600 flush tanks, and 100,000 sewer laterals. Treatment works are at Bromley, Belfast and Templeton.

STATEMENT OF OBJECTIVES AND SERVICE PERFORMANCE

Objectives for 1999/00	Performance Indicators	Actual	Target
1. To develop a comprehensive Liquid Waste Management Plan which conforms to the requirements of the Local Government Amendment Act No 3. The objectives below will form elements of this plan.	1.1 Liquid Waste Management Plan completed and special consultative procedure started.	Draft completed. Consultation suspended until ChCh Treatment Plant discharge consent lodged	30 June 2000
2. Preserve the value of the public reticulation system by adopting an asset management strategy.	2.1 Full implementation of the 1999/00 sewer capital works programme, and the Asset Management Plan (AMP).	Capital Work of \$9,873,062 completed by 30 June 2000. Implementation of AMP is in progress	Capital Work of \$9,737,283 completed by 30 June 2000
3. To ensure adequate system capacity to cater for present and future urban growth by continuing the flow monitoring programme and eliminating stormwater entry.	3.1 Continue inflow and infiltration remedial works as recommended in the AWT Strategy Report plus inspection and remedial works on a further	Negotiating with City Care Ltd to carry out grouting programme. Draft AWT Stage II report completed 18,614 Properties	15,000 Properties
4. Minimise sewerage outflows to private property, public roads and waterways.	4.1 Record and report all overflows of sewerage resulting from failure of Council pumping equipment, with a target of	Nil Failures	Nil Failures
5. Provide response and control to pollution and hazardous substance spillage incidents.	5.1 Record number of responses and response time against a target	100%	98% within 15 minutes
6. To minimise energy costs for all operating plant, by maximising biogas used for energy production.	6.1 Maximise engine generator use on load over	7914	8000 hours
7. To comply with water right effluent discharge standards as required through achievement of target treatment levels.	7.1 Measure discharge pollutant levels with a target of an average reduction in BOD and suspended solids, at least	65% / 59%	70% / 65%
	7.2 Reduction in faecal coliforms across the whole Christchurch Wastewater Treatment Plant and Oxidation pond with a final average effluent as measured in the final pond prior to discharge, less than	99.9% 8200	99.7% 10,000/100ml
8. To minimise sewage treatment costs.	8.1 Achieve annual cost per year maximum of	\$13.14 per person \$34.82 per ratepayer \$0.08/m ³	\$10.60 per person \$28.00 per ratepayer \$0.07 /m ³

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STATEMENT OF COST OF SERVICES FOR THE YEAR ENDED 30 JUNE 2000

	2000 COSTS (After Internal Recoveries) \$000's	2000 INCOME \$000's	2000 NET COST \$000's	2000 ESTIMATE NET COST \$000's	1999 ACTUAL NET COST \$000's
OPERATIONAL OUTPUTS					
Plans and Policy Statements	131	0	131	104	99
Information and Advice	179	20	159	128	68
Consents and Applications	228	0	228	335	139
Liquid Waste Collection	9,230	789	8,441	8,546	11,428
Liquid Waste Treatment and Disposal.	5,539	2,660	2,879	3,823	3,395
COST OF SERVICE	<u>\$15,307</u>	<u>\$3,469</u>	<u>\$11,838</u>	<u>\$12,936</u>	<u>\$15,129</u>

Notes (\$000's)

External Revenue included in Income is: Actual 2000 \$3,469, Estimate 2000 \$2,830, Actual 1999 \$2,353.

Depreciation included is: Actual 2000 \$5,064, Estimate 2000 \$5,261, Actual 1999 \$8,329.

Refer Note 22.



Testing of samples at the Christchurch Wastewater Treatment Plant Laboratory.