

**WORKS AND SERVICES COMMITTEE MEETING HELD ON
WEDNESDAY 19 AUGUST 2015 AT MEMORIAL HALL SUPPER
ROOM, ESPLANADE, KAIKOURA.**

AGENDA

1. Apologies

2. Matters of Importance to be raised as Urgent Business.

3. Reports:

- **Operations and Maintenance Manager's Report** *page 1*
- **Budget Report** *page 6*

4. Minutes Action and Issues List Update

MEETING	ACTION REQUIRED	BY	ACTION
Works & Services	Arrange for culverts to be inspected	Operations Manger	Culverts in the northern end of the district have been inspected.

5. Urgent Business

WORKS AND SERVICES REPORT

1.0 WATER SUPPLY

1.1 Urban Water

Operations – Kaikoura Urban Supply

This facility operated satisfactorily during the reporting month.

Significant Work planned for 2015 includes:

- South Bay pipe replacement (this project has received the archaeological consent and the cultural impact report).
- Upgrade of SCADA system.

Water Demand

Table 1 below shows the water demand for the reporting month measured from the Mackle's bore while Figure 1 shows the yearly cumulative water demand since 2009.

Water Demand (m³/day)				
	Min	Avg	Max	Total Demand
January 2014	1928	3002	3667	93,052
February 2014	2712	3339	3968	93,494
March 2014	1534	2510	3671	77,796
April 2014	1436	2609	3723	78,257
May 2014	1316	2639	3874	81,834
June 2014	2072	2710	3403	81,305
July 2014	1629	2166	2681	67,158
August 2014	1791	2271	2989	70,415
September 2014	1686	2546	3374	76,395
October 2014	1686	2252	3582	88,708
November 2014	2246	3259	4670	97,780
December 2014	2403	3444	4556	106,765
January 2015	3169	4327	5296	134,124
February 2015	3325	4353	5185	121,886
March 2015	2808	3500	4493	108,502
April 2015	2398	3119	4321	93,557
May 2015	1691	2519	3088	78,095
June 2015	1997	2470	3217	74,096
July 2015	1917	2450	3033	73,507

Table 1: Water Demand for reporting period

There was an increase in water use compared to the same time last year. The overall usage is 9% above 2014/15. This is 486m³ per day or 5.6litres/second above 2013/14.

Five significant leaks totalling about 150m³/day have been located.

Night Flow testing has been undertaken.

Some areas have not yet had the results entered.

Night Flow		l/hour	l/hr/property	
Zone	Connections	Aug-15		
Kaikoura	1942	32312	16.64	Summary
Rural	164	940	5.73	
Mill Road	476	4230	8.89	
Peninsula 1	442	2000	4.52	
Peninsula 2	98	3000	30.61	
South Bay	299	5000	16.72	
Fords 3	463	17142	37.02	
Oaro at Shed	67	26	0.39	Summary
Oaro North	13	0	0.00	
Oaro South	54	26	0.48	
Ocean Ridge	152	1540	10.13	Over 17.5 hr
Waimangarara	258	0	0.00	Summary
Kincaid	204			
Suburban	54			
Peketa	18			
Fernleigh	60			
East Coast	33			
TOTAL	2788	33878	12.15	
TOTAL		564.63333	l/min	
TOTAL		813.07	m3/day	
TOTAL		296,771.28	m3/yr	

One of the major leaks discovered was responsible for half of the peninsula 2 leakage.

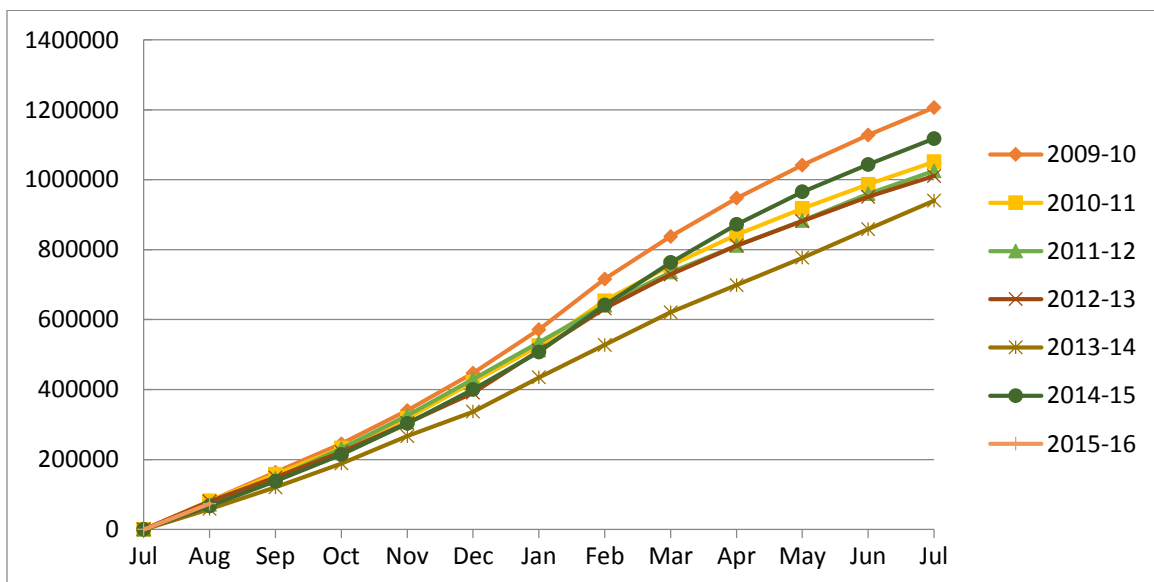


Figure 2: Cumulative Water Demand in cubic metres

1.2 Suburban Water Supply

There were no issues with this system during the reporting month.

1.3 Kincaid Water Supply

There were no issues with this system during the reporting month.

1.4 Oaro Water Supply

There were no issues with this system during the reporting month.

1.5 Fernleigh Water Supply

There were no issues with this system during the reporting month.

1.6 Ocean Ridge Water Supply

There were no issues with this system during the reporting month.

1.7 Peketa Water Supply

There were no issues with this system during the reporting month.

1.8 East Coast Water Supply

There were no issues with this system during the reporting month.

2.0 SEWER SYSTEM

<i>Sewage flows (m3/day)</i>			
	<i>avg</i>	<i>Max*</i>	<i>Total Flow**</i>
<i>February 2014</i>	957	1139	26,802
<i>March 2014</i>	1095	2357	33,938
<i>April 2014</i>	1642	2516	49,247
<i>May 2014</i>	1004	1927	31,141
<i>June 2014</i>	1028	2500	30,830
<i>July 2014</i>	857	2500	26,571
<i>August 2014</i>	677	860	20,975
<i>September 2014</i>	668	1233	20,052
<i>October 2014</i>	775	1321	24,025
<i>November 2014</i>	888	1537	26,641
<i>December 2014</i>	986	1266	30,557
<i>January 2015</i>	1029	1318	31,901
<i>February 2015</i>	981	1183	27,478
<i>March 2015</i>	892	1025	27,662
<i>April 2015</i>	945	1284	28,361
<i>May 2015</i>	776	909	24,046
<i>June 2015</i>	764	986	22,934
<i>July 2015</i>	703	1442	26,120

Table 3 : Sewage generated for reporting period

*The asterisk figure represents daily flows during heavy rainfall events.

**The double asterisk figure has not been adjusted to reflect inflows from storm-water.

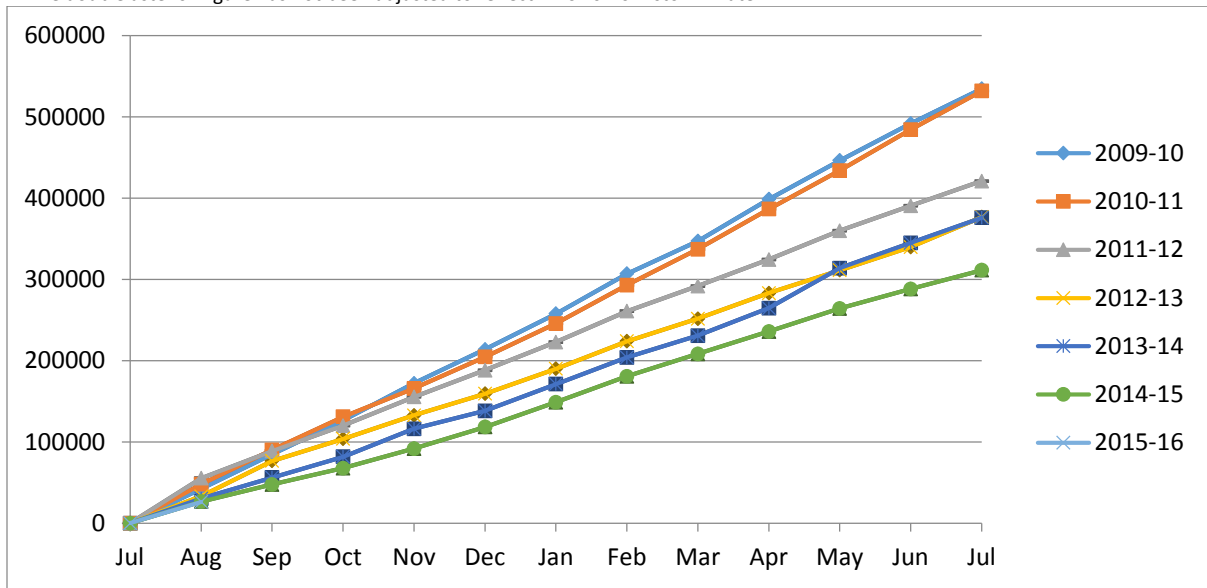


Figure 2: Cumulative Sewerage Discharge from Oxidation Ponds in cubic metres

There is an overall reduction in sewerage of 2% compared to the previous year. The fans on Gillings Lane and Hawthorne Road are still to be completed.

3.0 STORMWATER

The consent for the Kaikoura Urban Area is still being processed by Environment Canterbury.

4.0 PARKS AND RESERVES

The parks and reserves were satisfactorily maintained during the reporting month. Significant work has occurred on Tom's track.

5.0 BUILDINGS

Significant Work planned for 2015 include:

- Replacement of existing light bulbs and miscellaneous fittings.

6.0 AIRPORT

The floor tiles are being replaced.

7.0 SWIMMING POOL

The swimming pool is now closed for the winter with minor works to occur.

8.0 PUBLIC TOILETS

From inspections carried out, the toilets were found to be in very good condition. The West End toilets are to have the urinals reconnected to prevent further blockages.

9.0 ROADING

Significant work underway:

- Metalling programme of roads.
- Rehabilitation of road to Coastguard in South Bay

Significant work planned for 2015:

- The lights have been ordered for South Bay,
- Kerb and Channel on Margate, Ramsgate and Torquay.

The new roading contract is still being written.

The Draft South Island freight Plan has been received. Freight on State Highway One between Picton and Christchurch is covered by “Port Marlborough at Picton is the main link between the South Island and the North Island with scheduled ferry services across Cook Strait carrying both passengers and freight” and a number in a table of tonnage showing 290,444 vehicle movements through Picton. There is also a map with the following annotation

- Hundalees very windy
- Potential issues along the Kaikoura Coast
- Inland Kaikoura route (old SH 70)
- Kaikoura Coast road (SH1) is unreliable, and tunnels are problematic for trucks.

There are no cost evaluations on alternative modes of transport or the requirements for existing modes.

Feedback is accepted until August 28th.

10.0 FOOTPATHS

Significant work completed:

- New footpath along Beach Road north of New World.

Recommendation: That this report be received.

Author: Operations & Maintenance Manager
Endorsed by the Chief Executive Officer

Works & Services Budget Report

