

**WORKS AND SERVICES COMMITTEE MEETING HELD ON
WEDNESDAY 21 MAY 2014 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**
- **Budget Report**

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4. Urgent Business

OPERATIONS AND MAINTENANCE MANAGER'S REPORT

1.0 WATER SUPPLY

1.1 Urban Water

Operations – Kaikoura Urban Supply

This facility operated satisfactorily during the reporting month. A section of pipe along Mt Fyffe Road was scoured by the rain event of 17-18 April.

Operations – Suburban Supply

This facility operated satisfactorily during the reporting month.

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.

<i>Water Demand (m³/day)</i>				
	<i>Min</i>	<i>Avg</i>	<i>Max</i>	<i>Total Demand</i>
<i>July 2013</i>	1157	1826	2626	58,416
<i>August 2013</i>	1710	2001	2668	62,021
<i>September 2013</i>	1380	2272	2668	68,151
<i>October 2013</i>	2093	2607	3426	78,199
<i>November 2013</i>	1585	2332	2976	69,961
<i>December 2013</i>	2633	3149	4064	97,630
<i>January 2014</i>	1928	3002	3667	93,052
<i>February 2014</i>	2712	3339	3968	93,494
<i>March 2014</i>	1534	2510	3671	77,796
<i>April 2014</i>	1436	2609	3723	78,257

Table 1: Water Demand for reporting period

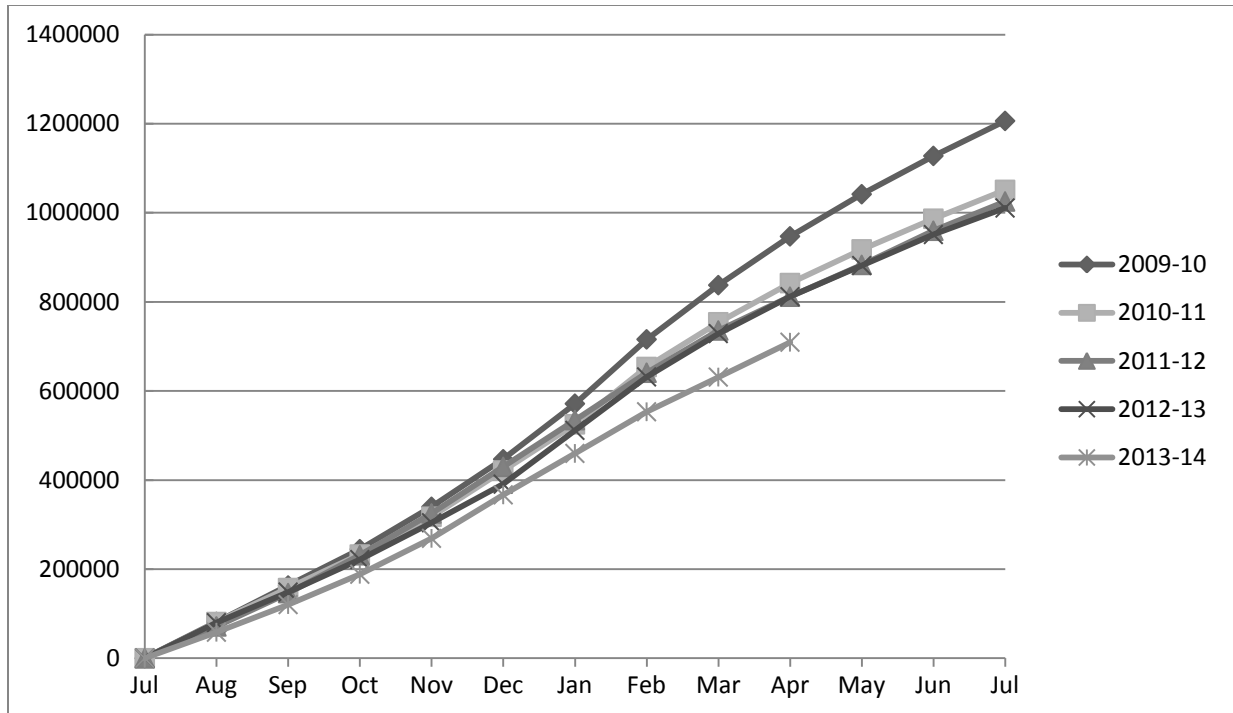


Figure 2: Cumulative Water Demand in cubic metres

1.2 Kincaid Water Supply

There were no issues with this system during the reporting month. The scheme turned itself off under high turbidity during the rain event of 17-18 April.

1.3 Oaro Water Supply

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

1.4 Fernleigh Water Supply

The Fernleigh Scheme had elevated E-Coli readings and was issued with a "Boil Water Notice" on 30 April. The high levels were probably as a result of the heavy rain over the previous weeks. The Notice has now been lifted.

2.0 SEWER SYSTEM

Table 2 below shows the sewage flows for the reporting month. A manhole along Lyell Creek has shown evidence of overflow and the sewer pump station on the Esplanade overflowed during the rain event of 17-18 April.

The sewer main that is piped along the Toms Track reserve suffered scour and movement due to debris and was repaired.

Sewage flows (m3/day)			
	avg	Max*	Total Flow**
July 2013	967	2012	30,255
August 2013	857	1771	25,723
September 2013	857	2005	25,710
October 2013	1149	2931	34,484
November 2013	733	1093	22,000
December 2013	775	2238	32,928
January 2014	868	1839	32,823
February 2014	957	1139	26,802
March 2014	1095	2357	33,938
April 2014	1642	2516	49,247

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.

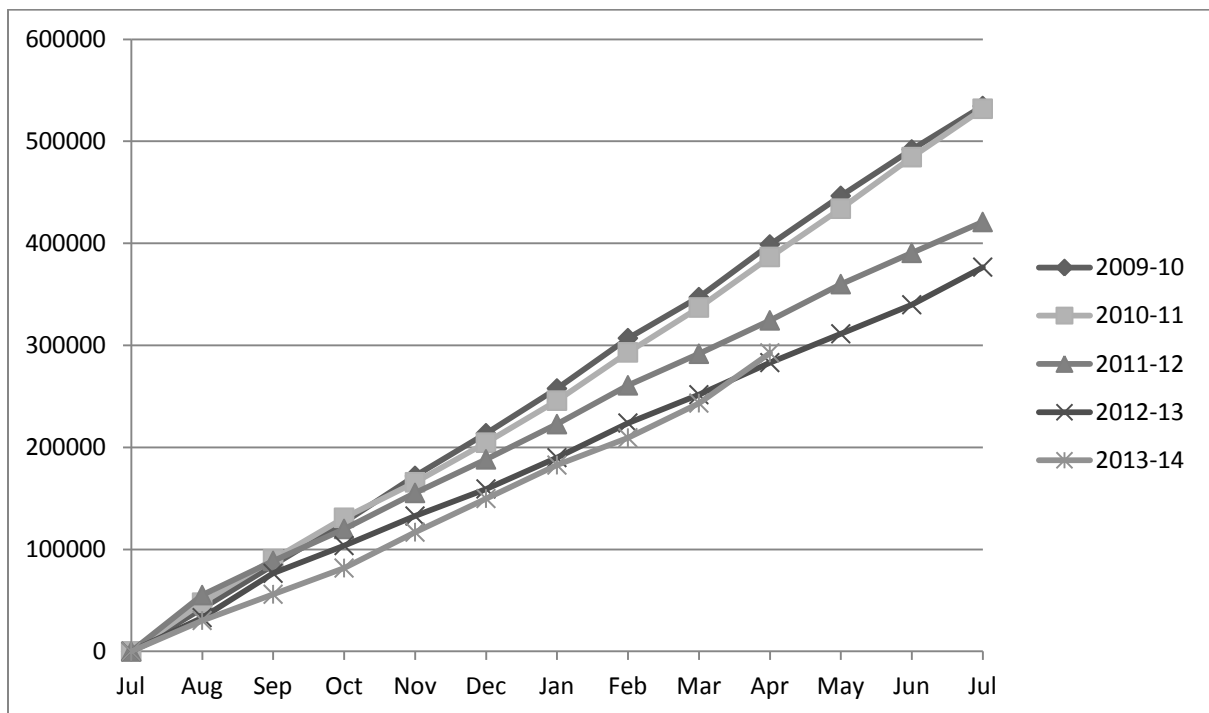


Figure 2: Cumulative Sewerage Discharge from Oxidation Ponds in cubic metres

There were significant flows into the system due to rainfall.

Anaerobic Pond Desludging

The Contractor commenced work but found that material in the pond was unsuitable for his equipment. Alternative means of accomplishing the desludging are being investigated.

3.0 STORMWATER

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

Two properties along Torquay Street suffered water damage due to excess stormwater and slips during the rain event of 17-18 April. A new section of pipe along the Council owned access between 120 and 122 Torquay is being installed to remove the flooding risk in this area.

4.0 PARKS AND RESERVES

The parks and reserves were satisfactorily maintained during the reporting month.

A ceremony to mark the end of the existing hospital; and the commencement of the building of the new complex has been approved to occur on Churchill Park at dawn on the 23rd of May.

5.0 BUILDINGS

Significant Work planned for 2014 include:

- Obtain structural assessment on Memorial Hall.

6.0 AIRPORT

An airport committee meeting was held on 17 April 2014. The minutes are included in the Council Agenda.

7.0 PUBLIC TOILETS

From inspections carried out, the toilets were found to be in a fair condition. The mural painting on the West End Toilets is complete.

Significant Work completed in April 2014 includes:

- New sewer lateral to the West End Toilets

8.0 ROADING

Heavy rain on the night of 17-18 April caused significant damage to the roading network. Roads closed included Dairy Farm, Puhi Puhi, Kekerengu Valley and Clarence Valley.

The damage included the following:

- Slips onto the road
- Slips below the road reducing the integrity of the road
- Culverts and water tables blocking and causing water to drain along or across the road
- Scour of inlets and outlet channels
- Scour of inlet and outlet headwalls
- Overtopping of inadequately sized culverts and water tables
- Debris deposited on roads and in water channels
- General scour of roads and bridges

Summary of Flood Damage 17-18 April	
Northern	\$107,700
Inland Road	\$111,115
The Flats	\$95,585
Puhi Puhi	\$153,275
Blue Duck	\$75,730
Re-metalling	\$206,587
	\$749,992

These works range from pure reinstatement to preventative maintenance. Not all of these works will be classed as Emergency Work. The Council will be requesting that the works be included in the New Zealand Transport Agency (NZTA) Roading Programme. This will then ensure that the work classified as Emergency Works is funded at the higher rate.

The Council still has to find the local share albeit at a reduced rate for Emergency Work. At this stage some previously planned work both subsidised and unsubsidised have been placed on hold. These include some kerb and channel, streetlighting, bridging and footpath work.

The repair work is being completed as resources allow. Given the damage that has occurred elsewhere in the same event and that other centres have a significant call on the Canterbury contractors not all repairs will be able to be completed immediately.



Figure 1: Greens Slip Kekerengu Valley Road

The following more significant projects were completed in April:

- Initial repairs to reinstate access following flooding

Significant work planned for 2014:

- Further storm damage repairs
- Drainage work on Kekerengu Valley Road
- Replacement of mercury vapour lights
- Kerb and Channel on Ramsgate and Margate Street and to the entrance to the Top 10 Holiday Park, this project will now occur in the latter part of 2014.

9.0 FOOTPATHS

Significant work planned for 2014

- New footpath on Deal Street
- Asphalt footpaths on the east side of Churchill Street south of Churchill Park.

Recommendation: That this report be received.

Author: Manager Operations and Services
Endorsed by the Chief Executive Officer

Works and Services Budget Report

