

**WORKS AND SERVICES COMMITTEE MEETING HELD ON  
WEDNESDAY 16 DECEMBER 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*

**4. Minutes Action and Issues List Update**

<b>MEETING</b>	<b>ACTION REQUIRED</b>	<b>BY</b>	<b>DATE ACTIONED</b>
Works & Services	Arrange for a representative of NZTA to meet with Council regarding further plans for State Highway 1 through Kaikoura.	Operations Manager	In progress
Works & Services	Include a report on incorporating a cycle lane on the footpath on Beach Road in the footpath report.	Operations Manager	A report will be provided at the February meeting.

**5. 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.

The first stage of works on the new water main on South Bay Parade and Kotuku Road have been completed. All the ducts for placing the high voltage cable underground have been installed. Items of archaeological interest were uncovered. Limestone rock was located where anticipated and was able to be excavated for trenches in the vicinity of the South Bay Parade and Tui Street intersection. Given the above constraints the project did proceed efficiently.

Expenditure to date is \$103,000 out of a budget of \$300,000. Additional minor works on repairs and replacement of old stormwater sumps and roading defects have occurred and been charged appropriately.

Almost every house to date on Kotuku Road and South Bay Parade has been identified as requiring an upgrade to the internal reticulation.

Work will recommence after Waitangi weekend with final tidying after Easter.

An additional archaeological authority to complete works inside properties is still to be obtained.

Significant Work planned for 2015 includes:

- The further Water Age test by GNS on Mackles Bore has been taken. Results are due mid-2016.

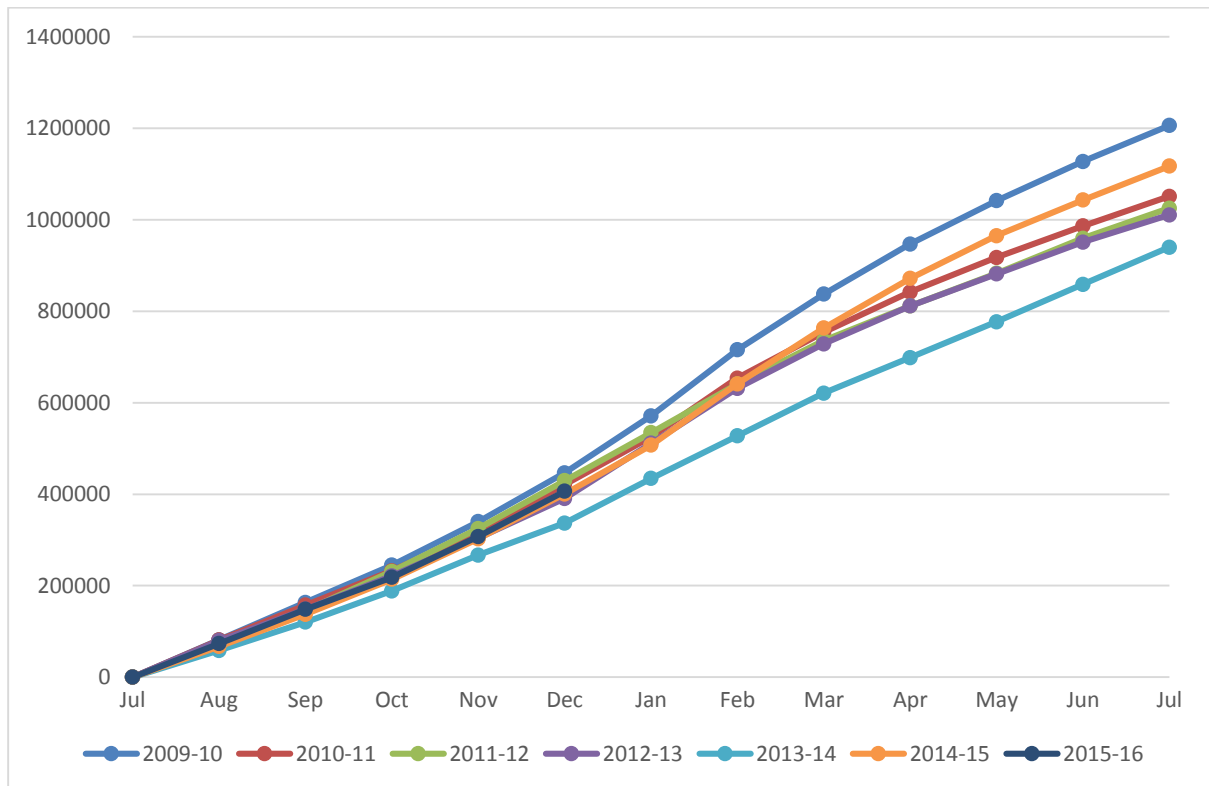
#### Water Demand

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.

<b>Water Demand (m<sup>3</sup>/day)</b>				
	<b>Min</b>	<b>Avg</b>	<b>Max</b>	<b>Total Demand</b>
<b>January 2014</b>	1928	3002	3667	93,052
<b>February 2014</b>	2712	3339	3968	93,494
<b>March 2014</b>	1534	2510	3671	77,796
<b>April 2014</b>	1436	2609	3723	78,257
<b>May 2014</b>	1316	2639	3874	81,834
<b>June 2014</b>	2072	2710	3403	81,305
<b>July 2014</b>	1629	2166	2681	67,158
<b>August 2014</b>	1791	2271	2989	70,415
<b>September 2014</b>	1686	2546	3374	76,395
<b>October 2014</b>	1686	2252	3582	88,708
<b>November 2014</b>	2246	3259	4670	97,780

<b>December 2014</b>	2403	3444	4556	106,765
<b>January 2015</b>	3169	4327	5296	134,124
<b>February 2015</b>	3325	4353	5185	121,886
<b>March 2015</b>	2808	3500	4493	108,502
<b>April 2015</b>	2398	3119	4321	93,557
<b>May 2015</b>	1691	2519	3088	78,095
<b>June 2015</b>	1997	2470	3217	74,096
<b>July 2015</b>	1917	2450	3033	73,507
<b>August 2015</b>	1779	2412	3783	74,766
<b>September 2015</b>	1565	2335	3040	70,064
<b>October 2015</b>	2291	2880	3783	89,275
<b>November 2015</b>	2383	3297	4454	98,921

**Table 1: Water Demand for reporting period**



**Figure 2: Cumulative Water Demand in cubic metres**

The water usage for the month was similar to last year.

## 1.2 Suburban Water Supply

The draft conditions allowing irrigation from the Waimangarara intake has been received and agreed with Environment Canterbury.

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

### 1.3 Kincaid Water Supply

The intake requires works to improve infiltration into the gallery.

### 1.4 Oaro Water Supply

There were no issues with this system during the reporting month. The riser from the bore is still to be replaced with stainless steel. Water restrictions will be issued before Christmas.

### 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. Minor engineering works have been identified by Food and Health that will improve the security of the supply.

## 2.0 SEWER SYSTEM

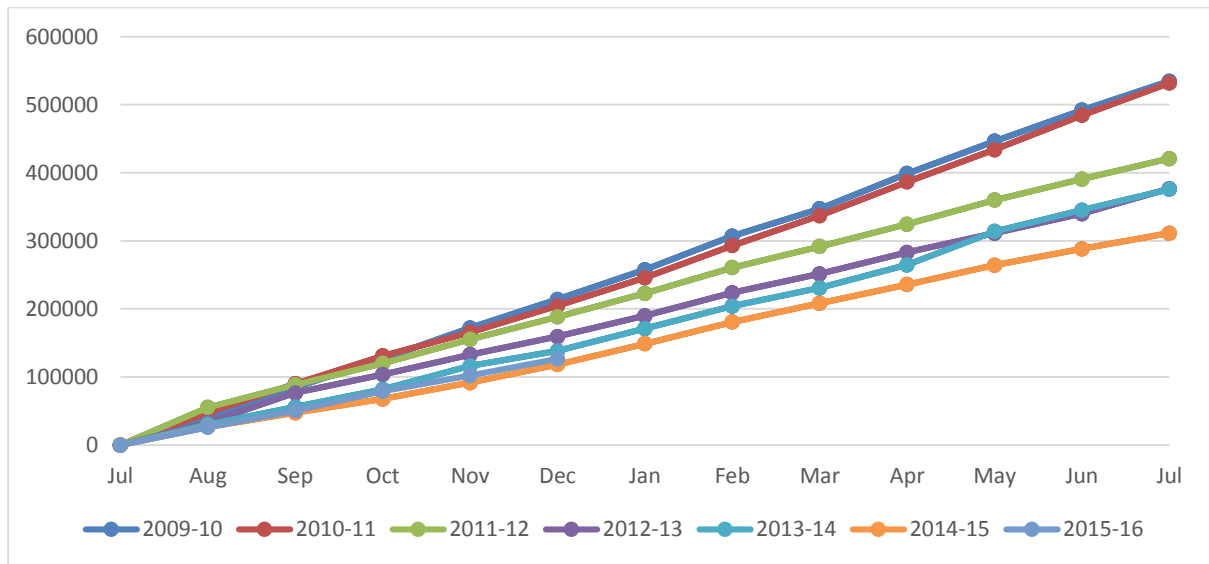
<b>Sewage flows (m3/day)</b>			
	<b>avg</b>	<b>Max*</b>	<b>Total Flow**</b>
<b>January 2014</b>	868	1839	32,823
<b>February 2014</b>	957	1139	26,802
<b>March 2014</b>	1095	2357	33,938
<b>April 2014</b>	1642	2516	49,247
<b>May 2014</b>	1004	1927	31,141
<b>June 2014</b>	1028	2500	30,830
<b>July 2014</b>	857	2500	26,571
<b>August 2014</b>	677	860	20,975
<b>September 2014</b>	668	1233	20,052
<b>October 2014</b>	775	1321	24,025
<b>November 2014</b>	888	1537	26,641
<b>December 2014</b>	986	1266	30,557
<b>January 2015</b>	1029	1318	31,901
<b>February 2015</b>	981	1183	27,478
<b>March 2015</b>	892	1025	27,662
<b>April 2015</b>	945	1284	28,361
<b>May 2015</b>	776	909	24,046
<b>June 2015</b>	764	986	22,934

<b>July 2015</b>	871	1442	26,120
<b>August 2015</b>	784	919	24,307
<b>September 2015</b>	954	2500	28,630
<b>October 2015</b>	738	1116	22,865
<b>November 2015</b>	821	992	24,621

**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**

Lid seals on Hawthorne Road are still to be completed, if this is successful the fan will not require replacement.

Odours are still occurring at Gillings Lane, some additional works have been initiated.

### 3.0 STORMWATER

The consent for the Kaikoura Urban Area is still being processed by Environment Canterbury. Draft conditions have been proposed.

### 4.0 PARKS AND RESERVES

The parks and reserves were maintained during the reporting month, some areas have been identified as requiring attention.

### 5.0 BUILDINGS

Significant Work planned for 2016 include:

- Replacement of existing light bulbs and miscellaneous fittings.

### 6.0 AIRPORT

The levelled area has been grassed and mown.

## **7.0 SWIMMING POOL**

The new diesel tank for the pool heating system is still to be commissioned.

Other minor works are still to occur.

## **8.0 PUBLIC TOILETS**

There were no issues with the toilets during the reporting month.

## **9.0 ROADING**

Significant work planned for 2015:

- Kerb and Channel on Margate, Ramsgate and Torquay scheduled to occur in February.

Minor maintenance works have occurred on roads. HEB Contracting are progressing with development of the Contractor's plan for Kaikoura.

A meeting was of the Regional Land Transport Committee was held in Christchurch. The opportunity was taken to reiterate the preference for work on projects looking at South Island Freight and the State Highway 1 Picton to Christchurch route be timed so that projects could make the Regional Land Transport Plan.

## **10.0 FOOTPATHS**

Significant work to be completed:

- Footpath programme and policy to be developed.

## **11.0 COASTAL**

As allowed by Council's resource consent the Council will remove 5,000 cubic metres of material from South Bay and place it to provide protection to the Esplanade. This will allow for approximately 5 metres per metre of frontage. This consent expires in November 2016.

It is intended that this consent will be replaced with a Kaikoura Urban consent that allows for differing types of protection for a five year period. A long-term consent, once the overall concept for coastal protection is understood, would be applied for at the end of this consent.

***Recommendation: That this report be received.***

Author: Operations and Maintenance Manager  
Endorsed by the Acting Chief Executive Officer