

**WORKS AND SERVICES COMMITTEE MEETING HELD ON
WEDNESDAY 21 SEPTEMBER 2016 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 7*

4. Minutes Action and Issues List Update

MEETING	ACTION REQUIRED	BY	ACTION
Works & Services 20/07/2016	Obtain a quote for helipads at the Airport if the quote is more than \$5k then the matter was to be returned to Council for consideration.	Asset Manager	In progress
Works & Services 17/08/2016	Provide a breakdown of costs associated with the global stormwater consent.	Finance Manager	In progress final costs no yet received from Environment Canterbury
Works & Services 17/08/2016	Write to Ecan regarding concerns with cost associated with obtaining stormwater consent and support for generic consent conditions as proposed by Water NZ.	Operations Manager / Chief Executive Officer	In progress
Works & Services 17/08/2016	Town Entrance Signs	Economic Development Committee	In progress

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.

In South Bay, streetlighting and works on private property is still ongoing. At least 5 properties have taken the opportunity to replace old water laterals to take advantage of the archaeological authority in place.

Wind on the 9th of September lifted a section of roofing iron from the Peninsula Reservoir.

The generator was required for Mackles during the power failure on 4th September. With the shifting of generators between water and sewerage the contractor is stretched to get around all sites before water is required or sewerage overflows. If there had been rain at the time, then Mackles would have been sacrificed in the interest of preventing sewer spills. It would be appropriate to have a permanent generator at Mackles.

Significant Work planned for 2016 includes:

- The further GNS test on Mackles Bore has been taken. Results are being compiled.
- A flowmeter on the Alternative Bore is to be installed to comply with consent conditions.

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 2010.

Water Demand (m³/day)				
	Min	Avg	Max	Total Demand
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
August 2015	1779	2412	3783	74,766
September 2015	1565	2335	3040	70,064
October 2015	2291	2880	3783	89,275

November 2015	2383	3297	4454	98,921
December 2015	2797	3898	5050	120,827
January 2016	2561	3596	4978	107,894
February 2016	3133	4073	4806	118,121
March 2016	2781	3417	4463	105,930
April 2016	2164	2737	3091	82,101
May 2016	2028	2622	3645	81,291
June 2016	1685	2274	3759	68,214
July 2016	1668	2156	2698	66,830
August 2016	1536	2188	2936	67,822

Table 1: Water Demand for reporting period

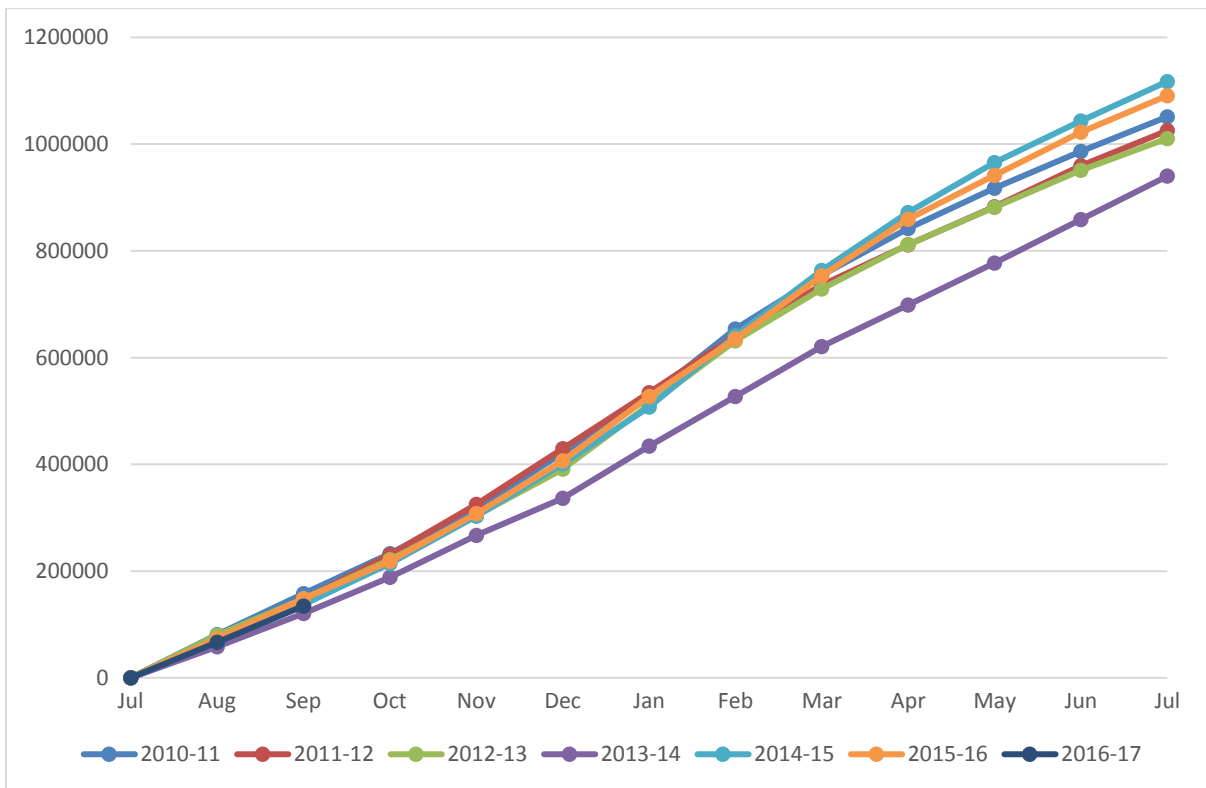


Figure 1: Cumulative Water Demand in cubic metres

The water usage for the month is down 9% down on the previous year.

The overall leakage and electricity results for Kaikoura have been received. Leakage is measured by minimum night flow.

Total leakage 2014-15	283,053.12	m3/yr	\$31,932.23	Electricity cost
TOTAL USAGE 2014-15	1,117,481.00	m3/yr	\$126,067	Electricity cost
% for Kaikoura 2014-15	25.33%		\$0.113	Electricity/m3
Total leakage 2015-16	421,180.80	m3/yr	\$48,433.95	Electricity cost
TOTAL USAGE 2015-16	1,090,911.00	m3/yr	\$125,450	Electricity cost
% for Kaikoura 2015-16	38.61%		\$0.115	Electricity/m3

Overall the measured minimum night flow is up however the yearly water use is down. Half off the flow and most of the increase is on the Mill Road main where the losses increased from 4 to 25 cubic metres per hour. It is not known whether the minimum nightflow is usage or leakage.

Additional measurements will be undertaken to confirm the result.

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

A survey of the East Coast Water Supply was undertaken by Operations and Innovative Waste Kaikoura staff together with Food and Health. Water Safety Plans are being updated. A report is awaited from Food and Health Limited on potential options relating to the East Coast Water Supply.

2.0 SEWER SYSTEM

Sewage flows (m3/day)			
	avg	Max*	Total Flow**
July 2014	857	2500	26,571
August 2014	677	860	20,975
September 2014	668	1233	20,052
October 2014	775	1321	24,025
November 2014	888	1537	26,641
December 2014	986	1266	30,557
January 2015	1029	1318	31,901
February 2015	981	1183	27,478
March 2015	892	1025	27,662
April 2015	945	1284	28,361
May 2015	776	909	24,046
June 2015	764	986	22,934
July 2015	871	1442	26,120
August 2015	784	919	24,307
September 2015	954	2500	28,630
October 2015	738	1116	22,865
November 2015	821	992	24,621
December 2015	953	1240	29,558
January 2016	1114	2020	33,418
February 2016	992	1487	28,769
March 2016	972	1227	30,136
April 2016	892	1238	26,825
May 2016	781	913	24,221
June 2016	769	962	23,081
July 2016	793	906	24,591
August 2016	846	1590	26,216

Table 2: 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 stormwater.

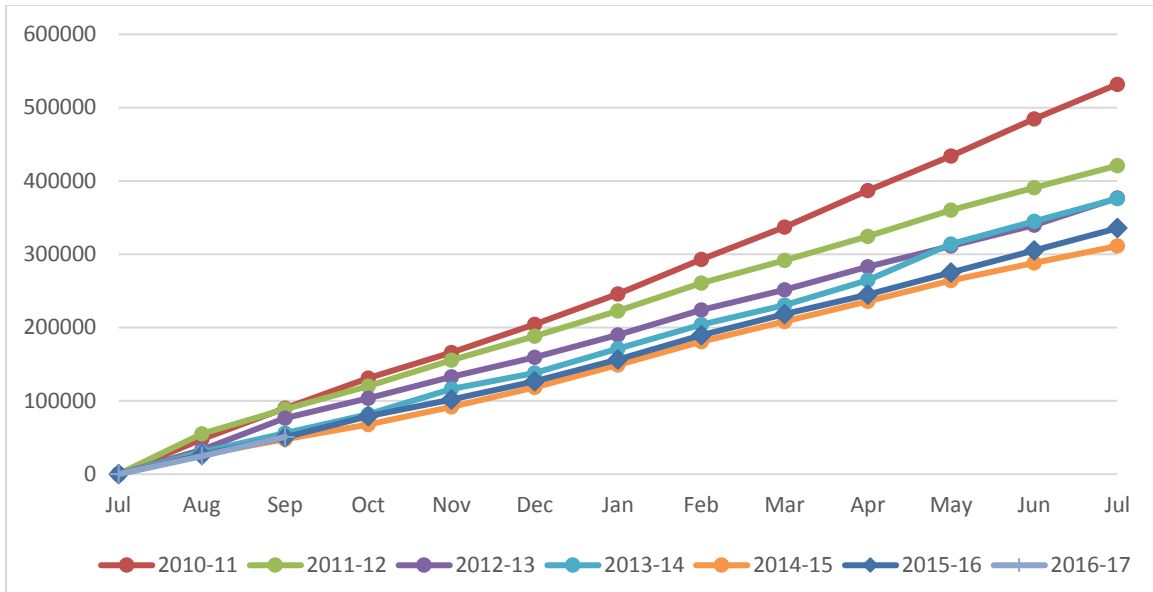


Figure 2: Cumulative Sewerage Discharge from Oxidation Ponds in cubic metres

The fan at the Mill Road pump station is to be replaced. The odour issues at Ocean Ridge are still being monitored.

The generator was required for The Esplanade, Lyell Creek, Hawthorne, Gillings Lane, Whakatu, Mill Road and South Bay during the power failure on 4th September.

3.0 STORMWATER

The final costs for the consent for the Kaikoura Urban Area have not yet been received from Environment Canterbury. There were no issues with this system during the reporting month.

4.0 PARKS AND RESERVES

The parks and reserves were satisfactorily maintained during the reporting month. Tenders close for the new contract on 30th September. The area in Deal Street and behind the Civic Building is still to be planted and fenced.

5.0 AIRPORT

The fencing and helipads are still to be constructed by Council. A price of \$3,700 has been approved for the fencing.

Significant Work planned for 2016 include:

- Building maintenance
- Taxiway resealing

6.0 BUILDINGS

Work completed:

- Replacement of emergency lighting in Memorial

Significant Work planned for 2016 includes:

- Replacement of existing main lights (to be held over to Memorial Hall upgrade)
- Repair, cleaning and fireproofing of curtains in Memorial Hall

7.0 SWIMMING POOL

Significant Work planned for 2016 includes:

- Replacement of the pool covers and vacuum
- New signage

8.0 PUBLIC TOILETS

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

9.0 ROADING

Maintenance to sealed and unsealed roads has occurred. A proposed resealing programme has been completed. A metalling programme is still to be completed.

10.0 FOOTPATHS

The lighting on Takahanga Terrace is still to be completed. The footpath works on Churchill Street will be completed following the removal of the poles. The Deal Street footpath is complete and the work on the emergency exit ramp at the rear of the Civic Building is underway.

The pavers in the West End have been cleaned. They now require a spot clean to remove hard stains and then they will be sealed.



A short section of chipseal (Condition Rating 3) has been swept on the Esplanade, Old Blue Pacific site.

As expected this shows significant areas that will require patching.

Approximately 11km of footpath require this level of intervention. Costs are yet to be confirmed.

Recommendation: That this report be received.

Prepared by	Gerry Essenberg, Operations and Maintenance Manager
Authorised by	Angela Oosthuizen, Chief Executive Officer

Works & Services Budget Report

