Report No:	RESC12-08-10
File No:	
Date:	14 August 2012
Information Only – no decision required	

Report to: Engineering Services Committee
Meeting Date: 30 August 2012
Report Author Jeff Cuthbertson, Utilities Asset Manager
Subject: **Utilities Report**

EXECUTIVE SUMMARY

This report provides a summary of the Utilities activities for July 2012 and in general for the July 2011- June 2012 operational period.

Downer have maintained their level of performance with all proactive, routine and non-routine maintenance on the water and wastewater treatment plants, pump stations, reservoir sites and stormwater assets as scheduled.

In solid waste operations contractors are generally performing very well. Volumes to landfill have finished above budget but operational expenditure has also tracked above budget, due to cost fluctuations and unanticipated events.

RECOMMENDATION

That the report be received.

DRAFT RESOLUTION

THAT the Engineering Services Committee receives the Utilities Report, RESC12-08-10.

REPORT SUMMARY

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1. Utilities General

1.1 Utilities maintenance contractor Downer undertook all proactive, routine and non-routine network maintenance on the water and wastewater treatment plants, pump stations, reservoir sites and stormwater assets as scheduled and required within their programme during July.

1.2 Downer has now successfully completed 24 months of the second operations period of Contract 688, the Water Utilities Operations and Maintenance Contract. They have pro-actively maintained and operated the networks well over the past 12 months resulting in minimal service disruption to the customer.

1.3 Downer has also completed a portion of additional project work. These additional projects have been adequately resourced and managed.

1.4 Regular storm events over the winter period caused problems with the wastewater networks which are known to suffer from high levels of inflow and infiltration resulting in high flow volumes into the WWTP's. These storm events have impacted portions of the stormwater network, however, regular proactive pre and post storm maintenance and management of the network has kept issues to an acceptable level.

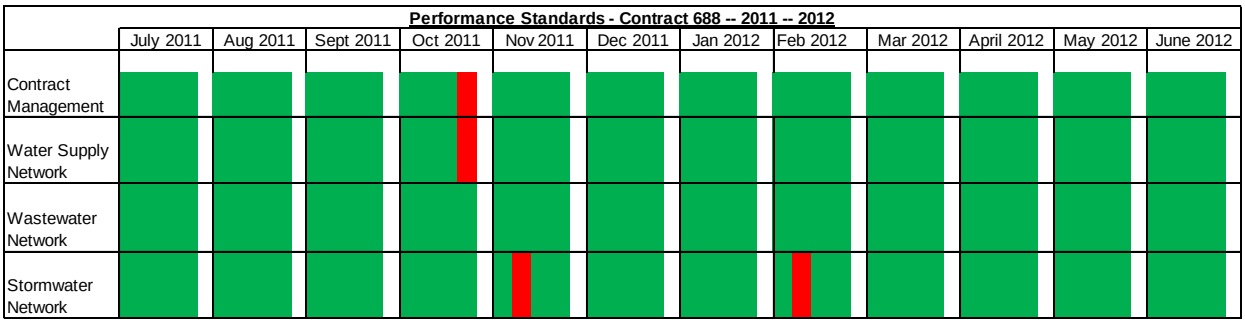
1.5 Initial planning work is underway in looking forward to the implementation of the next and final operational phase of contract 688 by July 2013.

1.6 Contractor Performance and Performance Standard Measurements Monitoring

1.7 As required under Contract 688, MWH have undertaken a random selection of audits across all utility networks. The contractor has performed well over the June period and over the 12 month (July 2011 to June 2012) period has achieved the required standard in 140 out of a possible 144 occasions.

1.8 Downer has scored consistently well over the water and wastewater maintenance areas. In the area of stormwater maintenance where they have slipped below the desired minimum criteria, they have implemented improvements by also utilising their own staff to undertake maintenance rather than rely entirely on sub-contractor services.

1.9 Contract 688 Overall Performance Standard Summary



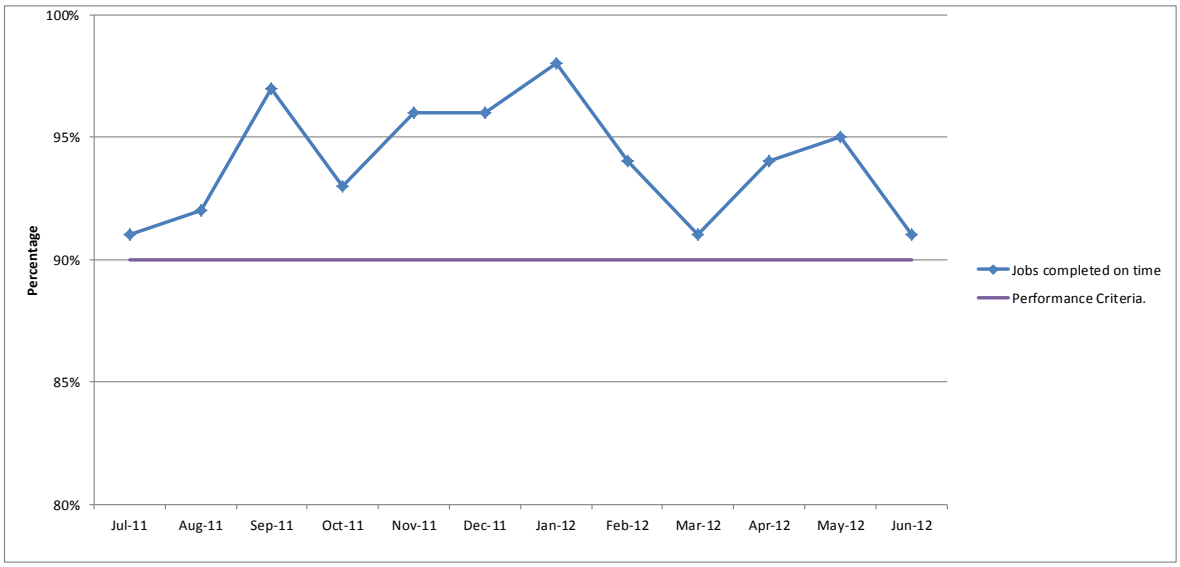
Date	Reason	Amount of Performance Payment not Awarded
Oct-11	Numerous weekly exception and sewer overflow reports not recieved on time	$1,201.65
Oct-11	Upper Takaka UV plant out of operation for 2 to 3 days, could have been avoided with more pro-active maintenance.	$1,969.99
Nov-11	Stormwater maintenance score of 75% on assets audited in November 2011, excess vegetation / weed growth in the SW channels.	$843.92
Feb-12	Stormwater maintenance score of 78% on assets audit in February 2012, excess vegetation / weed growth in the SW channels.	$1,092.75
	Total Deductions to date 2011-2012	**$5,108.31**

1.10 Customer Services - Job Completion Summary

Performance measurement for jobs completed on time for July 2011 to June 2012 are detailed below, the target for Tasman District Council Customer Services and requirements under Contract 688 are for the Operations and Maintenance Contractor to achieve 90% or above for completion on time, and as shown in the data below, the contractor has consistently met that standard.

1.11 During July 2011/June 2012, of 3198 Utilities jobs raised, 3138 were completed on time.

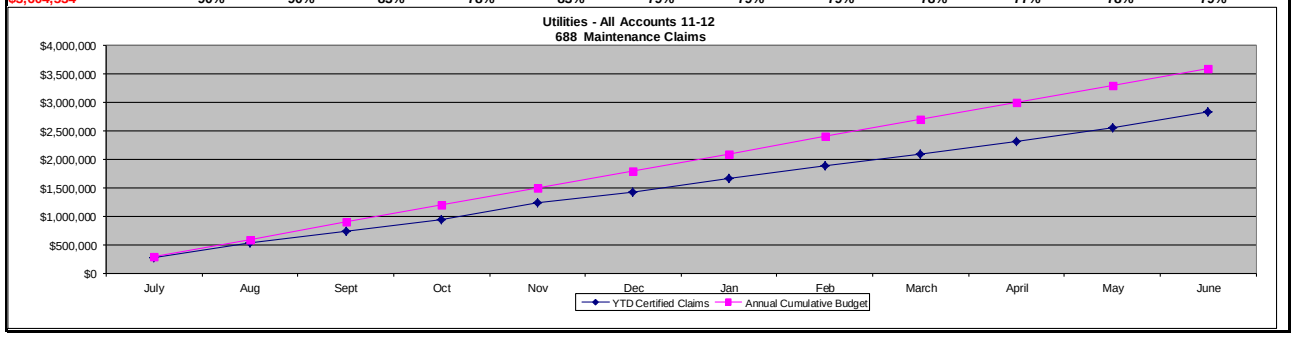
Contract 688 Performance Measurement scores achieved July 2011 to June 2012 - Jobs completed on time												
	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12
Jobs completed on time	91%	92%	97%	93%	96%	96%	98%	94%	91%	94%	95%	91%
Performance Criteria.	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
Tasman District Councils' customer service job completion on time target = minimum of 90%												



1.12 Financial Performance

The graph below includes all maintenance activities carried out across the various utilities budgets for the 2011/2012 financial year. Expenditure for the year has continued to track below estimated budget. As reported previously, this may be due to renewals and network upgrades of recent years positively impacting the levels of O&M. It should also be noted that some work undertaken by the O&M contractor as a result of the December 2011 storm event has been accounted for under Recovery budgets and will not be evident under the budgets below. Additionally some routine and proactive maintenance work could not be completed due to the impacts of that event.

ALL UTILITIES												
Month	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
Claim Certifed for Month	$269,413	$269,619	$208,520	$190,737	$306,480	$179,770	$240,609	$221,556	$214,968	$223,676	$242,531	$265,025
YTD Certified Claims	$269,413	$539,032	$747,551	$938,288	$1,244,768	$1,424,538	$1,665,147	$1,886,703	$2,101,671	$2,325,348	$2,567,879	$2,832,904
Annual Cumulative Budget	$300,378	$600,756	$901,134	$1,201,511	$1,501,889	$1,802,267	$2,102,645	$2,403,023	$2,703,401	$3,003,778	$3,304,156	$3,604,534
$3,604,534	90%	90%	83%	78%	83%	79%	79%	79%	78%	77%	78%	79%

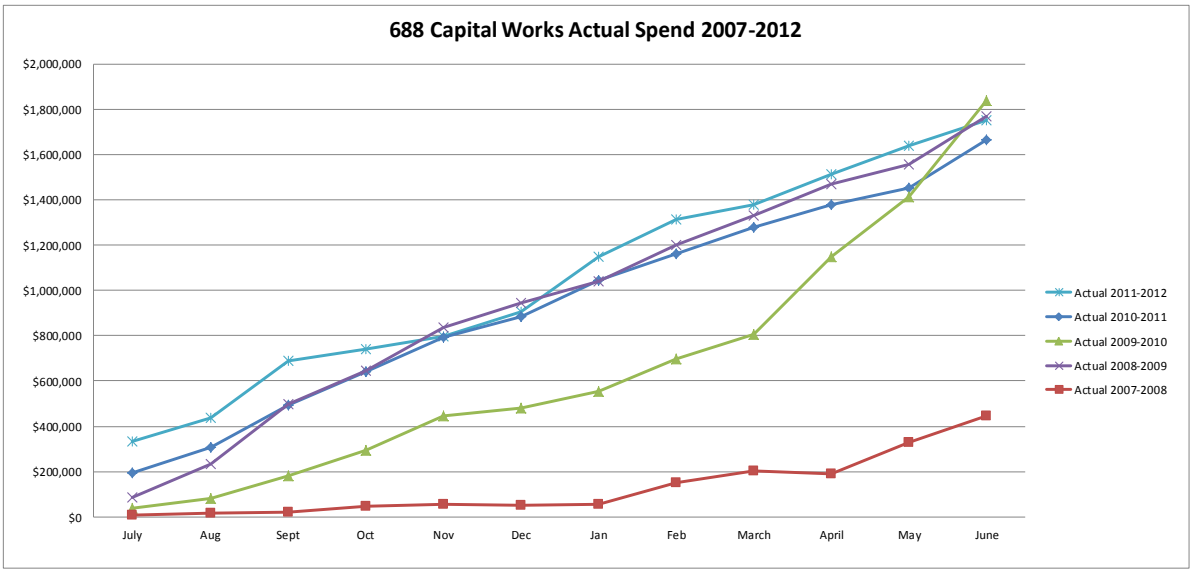


1.13 Operations and Maintenance Expenditure via Contract 688 Breakdown 2009-2012

Scheme	2009-2010	2010-2011	2011-2012
Water Supplies			
Urban Water Supplies	$1,132,849	$1,156,930	$1,136,018
Motueka water supply	$125,094	$191,651	$123,811
Eighty Eight Valley water supply	$48,829	$47,450	$58,062
Dovedale water supply	$171,249	$163,879	$175,924
Redwoods water supply	$76,062	$92,313	$77,492
Pohara water supply	$16,114	$30,810	$40,346
Wastewater	$1,012,115	$989,619	$932,869
Stormwater	$295,878	$300,250	$288,382
Actual spend	**$2,878,190**	**$2,972,902**	**$2,832,904**
Budget	**$3,061,531**	**$2,947,901**	**$3,604,534**

1.14 The data and graph below tracks the capital works invested for work undertaken via Contract 688 from the beginning of the contract in July 2007 to June 2012.

Month	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
Actual 2011-2012	$333,533	$437,191	$689,827	$740,869	$796,890	$905,005	$1,149,046	$1,313,596	$1,377,771	$1,513,322	$1,636,672	$1,749,321
Actual 2010-2011	$194,183	$306,654	$493,545	$642,572	$793,184	$884,528	$1,042,846	$1,161,502	$1,278,057	$1,378,314	$1,450,584	$1,663,696
Actual 2009-2010	$36,183	$79,223	$182,689	$293,389	$446,399	$480,023	$552,922	$695,454	$806,942	$1,148,318	$1,412,257	$1,839,032
Actual 2008-2009	$85,625	$234,176	$499,608	$646,129	$837,549	$942,471	$1,040,638	$1,199,577	$1,331,379	$1,470,257	$1,554,067	$1,767,090
Actual 2007-2008	$6,219	$15,742	$19,592	$46,759	$56,628	$51,384	$55,566	$149,379	$202,930	$191,291	$326,922	$446,754



2. Wastewater Networks

2.1 Operations and Maintenance

June and July continued to prove a relatively wet period and yet overall the wastewater networks have performed reasonably well. The issues during that period relate to increased volumes to wastewater treatment plants (WWTPs) due to infiltration and inflow.

2.2 Wastewater Exceptions

As the table below indicates, a variety of faults occurred during July, with few requiring further follow up work to prevent recurrence.

Location	What	Overflow	Why	Remedial Action
Queen Street, Richmond	Blockage	yes	Blocked by plastic bag	Blockage cleared
Edwin Chambers Drive, Motueka	Blockage	yes	Fat build up	Blockage cleared
Kramer/Blomfield Motueka	Blocked lateral	yes	Fat build up	Blockage Cleared
Murchison RRC Leachate pump	Faulty Float	no	General wear	Float replaced, to be monitored
Tapawera WWTP	Aerator fault	no	Gearbox stay sheared	Welded new stay
Aranui Road, Mapua	Burst main	no	Fault at tapping band	Band and gate valve replaced
Abel Tasman Drive	Sewer overflow	yes	Excess inflow form flood event	Isolated at 4 Winds
Edward Street	Blockage	no	Fat build up	unblocked
Murchison WWTP	Aerator fault	No	Motor overload	Tested and reset
Riwaka Main SPS	Pump fault	No	Motor fault	Electrical fault repaired
Kaiteriteri Vessel	Comms fail	No	Faulty aerial	Aerial replaced
Goodman Park	Variable speed drive fault	No	Internal fault	To be repaired by manufacturer
Sundial Square	Blocked manhole	Yes	Broken glass in manhole	Cleared and removed
Hickmott Place, Motueka	Blocked motorhome dump point	No	Blocked outlet	Cleared
Fittal Street Richmond	Blocked motorhome dump point	No	Blocked outlet	Cleared

2.3 Wastewater Treatment Plant Compliance

During July, environmental and performance monitoring was routinely undertaken at all wastewater treatment plants.

2.4 The table below indicates whether full compliance with resource consent conditions was achieved at each WWTP. Where full compliance was not achieved, the likely factors contributing to the non-compliance are discussed below.

WWTP	Compliance	If "no", What	Cause	Remedial Action
Collingwood	Yes			
Motueka	No	In Flows exceed consent	Rainfall event High loading	Compliance notified
Murchison	Yes			
St Arnaud	Yes			
Takaka	No	Inflow exceeded consent	Rainfall event, high inflow	Compliance notified
Tapawera	Yes			
Upper Takaka	No	Inflow exceeded consent	Rainfall event, high inflow	Compliance notified

2.5 Levels of Service – Wastewater Treatment Plants 2011/12

The Levels of Service scores are derived from monitoring that requires laboratory analysis. Below is a summary of compliance with consent conditions for all WWTPs based on this criteria, for the 2011/2012 year.

We will know we are meeting the Level of Service if …..	Current Performance (2011/2012)
All wastewater treatment plants hold all necessary resource consents. *Year 3 target = 100%.*	**Actual = 100%** All WWTPs hold all necessary consents.
All wastewater treatment plants meet the minimum compliance levels in the resource consents. *Year 3 target* = 90%.	**Actual = 92% (Average)** Collingwood 95% Motueka 90% Murchison 97% St. Arnaud 93% Takaka ***** 78% Tapawera 100% Upper Takaka 100% This measure covers those consent conditions requiring laboratory testing only.
We can limit the number of overflows that cause beach closures or shellfish gathering bans to less than 5 per year. *Year 3 target = <5.*	**Actual = 2** (Motueka WWTP ongoing, Pohara Beach December 2011).

* It is anticipated that the Takaka WWTP performance relating to compliance with consent conditions will further improve with an upgraded WWTP. Significant upgrades are planned in the next one to three years.

2.6 Levels of Service – Wastewater Reticulation 2011/12

A summary of the levels of service performance of the wastewater reticulation for the 2011/12 year is detailed below:

We will know we are meeting the Level of Service if …..	Current Performance (2011/2012)
We can limit the number of overflows on private property due to Council system fault to less than 5 per year. *Year 3 target = <5*	**Actual = 74** 43 overflows due to rain events in December 2011 and June 2012. 7 overflows due to third party actions Detail of sewer overflows provided in the table below.
We can limit the number of overflows from sewer in a year to less than one per kilometre of sewer <1. *Year 3 target = <1.*	**Actual = 0.24 per km (91 overflows/380km)** 46 overflows due to rain events in December 2011 and June 2012. 7 overflows due to third party actions Detail of sewer overflows provided in the table below.
We can limit the number of overflows from pumpstations per year to less than 10. *Year 3 target = <10.*	**Actual = 3**

We will know we are meeting the Level of Service if …..	Current Performance (2011/2012)
We receive less than 30 complaints per year relating to odour or noise from our wastewater systems. *Year 3 target = <30.*	**Actual = 14**
We are able to respond to and fix faults within the timeframes we have specified in our operations and maintenance contracts. *Year 3 target =90%.*	**Actual = 98%**
All pumpstations have standby pumps in case of mechanical failure. *Year 3 target =100%.*	Actu**al = 100%** All stations have standby pumps.
Our pumpstations have storage or standby electrical generation in case of power failure. *Year 3 target =30%.*	**Actual = 17% of pump stations have either storage or on-site electrical generation.** However, there are two portable generators available which are able to serve up to 53% of pump stations.
Our pumpstations have telemetry to allow automatic communication of failures. *Year 3 target =55%.*	**Actual = 60%** 46 of the 76 pump stations have telemetry.

2.7 Capital Projects

2.8 Mapua Wharf Wastewater Pumpstation Upgrade

Ching Contracting has completed work and gained practical completion on the Mapua pumpstation which has been operating well. There remains some excavation works for servicing the installation of the surge vessel. The surge vessel is to provide future increase in flow capacity requirements.

2.9 Murchison WWTP Sludge

The covers over the Biobags at the Murchison WWTP storing the dewatered sludge have perished. Alternatives to purchasing new covers that protect the Biobags from UV degradation are being considered. It is proposed to test the sludge for contaminant level risks to the environment. The tests include for heavy metals, organochlorine pesticides, polychlorinated biphenyls and dioxins.

2.10 Disposal options for the sludge will then be assessed and it is anticipated the sludge will be suitable for storage on site in Biobags.

3. Water Networks

3.1 Operations and Maintenance

June-July continued to be a relatively wet period and overall the water networks have performed well. There have been no significant issues or exceptions to report during that period over and above those noted in the exception details within this report.

3.2 Recent rainfall events have continued to compromise the quality of water supplies with surface takes, including Pohara Valley and Dovedale, resulting in an ongoing requirement to boil drinking water for users on both schemes.

3.3 Water supply exceptions are noted in the table below:

Location	What	Why	Remedial Action
62 Hunter Avenue, Richmond	50mm main break	Brittle pipe	Repaired
Wakefield reservoir	Low level	150mm Mains burst	Repair completed
Kaiteriteri Booster Pumpstation	Communications fail	Faulty QRTU circuit board	Test/ reset
Collingwood Analogue Comms	Power outage/ communications fail	Power fault Mt Burnett	Repaired by Mt Campbell Comms
Champion Road Reservoir	Low Level	Boost pump failed to activate	Fault in start-up, isolated and reset
Waimea Bore #8	Bore pump fault	Faulty motor	Motor repaired
Golden Hills Pumpstation	Chlorinator injection fault	Faulty solenoid valve	Replaced and tested
O'Connors Pumpstation	High level alarm-contact tank	Valve fault	Fault repaired by recalibrating set points
Upper Takaka	Blocked intake	Flood/high rainfall event	Intake cleared

3.4 Water service connections were as follows:

- three in Richmond
- one in Redwood Valley
- two in Wakefield
- one in Motueka
- one in Pohara

3.5 Levels of Service – Water 2011/12

A summary of water levels of service performance for the 2011/12 year is detailed in the following table:

We will know we are meeting the Level of Service if …..	Current Performance (2011/2012)
No advisory notices are issued to boil water. *Year 3 target =0.*	**Actual = 6** (Includes permanent notice at Dovedale). Three related to December 2011 flood. ****
Our water supplies have a Public Health Risk Management Plan (PHRMP) in place. *Year 3 target* = 14 (88%).	**Actual = 8 (50%)** Ninth submitted in June 2012 and approved July 2012 and tenth at draft stage.
Testing of water supplies confirms that the water meets DWSNZ. Y*ear 3 target = Continue to do the same. 100% notification of any non-compliance.*	A**ctual = Overall-97%.** *E.coli*- 97%. **** P2 determinands-89%. ****

We will know we are meeting the Level of Service if …..	Current Performance (2011/2012)
Water pressure to all urban and rural supply customers meets minimum pressure requirements as stipulated in the Tasman District Council Engineering Standards. *Year 3 target =95% of area covered by schemes meet the Standards.*	**Actual = >95% of area covered by schemes meet the Standards** All supplies meet the minimum pressure requirements as a whole, but there are some isolated areas of exception. These are: *Richmond* – small area at high level above Hill Street; Cropp Place (approx < 20 properties in total). *Wakefield* – top of Hunt Terrace (approx 5 properties). *Mapua / Ruby Bay* – top of Crusader Drive. *Collingwood* – couple of properties in Swiftsure Street by the reservoir.
Acceptable water losses are identified for each water supply and a water loss reduction programme is in place to achieve those targets. *Year 3 target = 8 out of the 16 supplies will have water loss programmes in place.*	**Actual = 5** Richmond, Waimea, Mapua, Brightwater, Wakefield.
Urban water supply systems are able to meet W3 standard Code of Practice for Fire Fighting Water Supplies. *Year 3 target = 90%.*	**Actual = 90%** 9/10 urban systems fully comply with the fire fighting capability. The vast majority of Richmond complies, with the exception of Cropp Place.
We are able to respond to and fix faults within the timeframes specified in our operations and maintenance contracts. *Year 3 target =90%*	**Actual = 98%**
We have the following water storage in the water supply systems: Urban: - 1 days at average annual demand. Rural: - 6 hours at average annual demand. *Year 3 target = Year 3 = all schemes have required storage.*	**Actual = 12 of the 13 schemes have the required storage.** All three rural schemes meet storage requirements. 9 of the 10 urban supplies meet the required storage. Richmond fails to meet the requirement. Schemes are identified within the LTP to construct new reservoirs in this area.

3.6 Capital Projects

3.7 **Richmond Water Treatment Plant**

Detailed design continues on the pipe reconfiguration, treatment process and the proposed site for the Richmond Water Treatment Plant. An independent peer review of mechanical design and process elements of the design is complete. Minor elements of the review are being considered for inclusion in the design.

3.8 The Water Meter Renewals contract was successfully completed by Downer. Downer has been granted practical completion and the contract now enters a defects liability period.

3.9 Downer has successfully completed the installation of the Upper Takaka replacement watermain between the reservoir and break pressure tank (below intake).

3.10 The work on improving the Pohara Valley water supply has re-commenced following the approval to proceed from the Historic Places Trust. The physical work is expected to be completed by mid-September if weather conditions are favourable.

3.11 The Richmond Rezone water main upgrade contract has been awarded to Adcock and Donaldson. Negotiations continue with NZTA to gain approval to install the remaining portion across NZTA owned property and State Highway, to link mains in Beach Road main and McGalashen Avenue.

4. Stormwater Networks

4.1 Operations and Maintenance

Downer carried out pre-storm checks and operated the Motueka floodgates as required over the April-May period resulting in the systems being well prepared in anticipation for rain events. While there were a number of rainfall events, none caused any significant network issues. Pre-storm checks were undertaken twice during this period as a precautionary response to weather forecasts.

4.2 There has been an ongoing effort by Downer throughout April to get back on track and control vegetation growth within the stormwater network. Audits have highlighted an improvement in this area and all relevant stormwater performance standards have been achieved.

4.3 Staff and contractors have recently been involved in the investigation and resolution of a number of stormwater issues in Murchison, Hope, Takaka and Pohara. A common theme in these areas has been the interface between urban and rural properties and the maintenance responsibilities for open channels.

4.4 Recent work in Ned's Creek, Murchison has provided short term relief to recent flooding issues and staff have commissioned new ground survey work to identify a long term solution. In parallel with this a short term access agreement has been reached with a key landowner to enable maintenance of the channel.

4.5 Staff have recently resolved drainage issues in the Labyrinth Lane area, adjacent to the Takaka Resource Recovery Centre. Staff are moving to formalise agreements with respect to maintenance in this area and have engaged a surveyor to confirm channel grades and dimensions.

4.6 Recent rain in the Pohara area has caused additional surface flooding in the area upstream of Abel Tasman Drive. Engineering staff, with other members of the Recovery team have recently met with landowners downstream of Abel Tasman Drive to discuss management of flooding from Ellis Creek.

4.7 Since this meeting, staff and contractors have been on site to respond to recent flooding, primarily due to sediment blocking existing culverts and channels. Unfortunately in one

instance a private culvert in Ellis Creek was damaged and Council is working with the landowner to make good the damage. An advantage of this event is that the replacement culvert will likely improve drainage in this area.

4.8 Survey work has been commissioned to measure ground and floor levels in the area and to assess available grade for drainage. Staff will be using this information to assess solutions and to meet with local landowners to discuss options. It is expected that staff will prepare a report for a future meeting to discuss funding options for remedial works in this area.

4.9 Capital Projects

Ching Contracting have completed the Ruby Bay Stormwater contract (Tait Street and Stafford Drive). They are now completing further work to remediate damage resulting from the recent storm event. Minor repairs to the new outfall structure and open channel above the new work are scheduled over the coming month.

4.10 Work is nearly complete on the Paton Rock stormwater contract. The contract includes pipework ranging from 300mm to 450mm in diameter and a stream outfall. CCTV inspection showed some defects which are currently being rectified prior to the award of practical completion.

4.11 A contract has commenced for the re-construction of road pavement and stormwater improvements in Swiftsure Street, Collingwood. This work will improve stormwater control in this area as well as providing an all-weather access to the Collingwood water supply reservoir and is expected to be completed in October.

4.12 Recent activity in the area of the Reservoir Creek dam has required additional monitoring and inspection of the dam structure. Review of this information has led to the reconsideration of the proposal to upgrade the spillway in the dam this year. Staff will bring additional information to a subsequent meeting of the committee for consideration. Negotiations for land purchase continue.

5. Telemetry

5.1 The analogue telemetry network has generally performed well during the reporting period.

5.2 A draft programme of telemetry upgrades for the new financial year has been received and is being assessed for approval so that work on priority sites can be progressed and work can be planned and managed efficiently throughout the year.

6. Solid Waste

6.1 Kerbside Recycling and Bag Collection

Kerbside collections for the year have commenced well with responses to July service requests returning to 100% on-time performance. Additional kerbside collection routes have commenced although there have been some teething problems with distribution of bins to new households and some new routes being missed as the collection drivers establish new routines. Kerbside recycling and rubbish tonnages have lifted slightly in the month of July.

6.2 Resource Recovery Centres

Waste data for the first month of the new financial year has shown growth on July 2011. Income for the Richmond RRC is down on budget due to the delay of price increases to 1 August 2012.

6.3 Two additional refuse bins (for use for transport from Takaka and Richmond) have been ordered and are expected to be operational in September.

6.4 Capital works for the new financial year will include remediation work on the face of the closed landfill at the Mariri site. Detailed design for other work in the 2013/14 year includes improvements to site security and the refuse cover at Murchison, improvements to site security and drainage at Takaka and selected landscaping and investigations for additional bin storage at the Richmond site. There will be a need to carry forward some funding from the 2011/12 year for work unfinished in the year and this matter will be addressed at the next meeting of the committee.

6.5 Eves Valley Landfill

Operations at the Eves Valley landfill are progressing without incident although the very wet weather of recent weeks is proving challenging. Flows into the leachate system remain high on days when rain is falling, requiring additional monitoring. The last loads of treated soil from the Mapua wastewater pumpstation are due in the next weeks.

6.6 Planning is in progress for earthworks over the summer period. This may include additional excavation to increase capacity and provide additional cover material. Some limited pavement renewal may also be required on the access road. Planning has continued for the possible management of sludge that may arise from the Motueka Wastewater Treatment Plant this summer.

6.7 A two year extension of the existing landfill and waste transport contract (contract 781) has recently been awarded to Fulton Hogan (to 27 September 2014). Previous contract arrangements allowed for two extensions of one year each and this two year extension gives both parties certainty and aligns all solid waste operations contracts (with the exception of the greenwaste contract) to a common end date. The contract extension allows for variations to operations over the two year period if required.

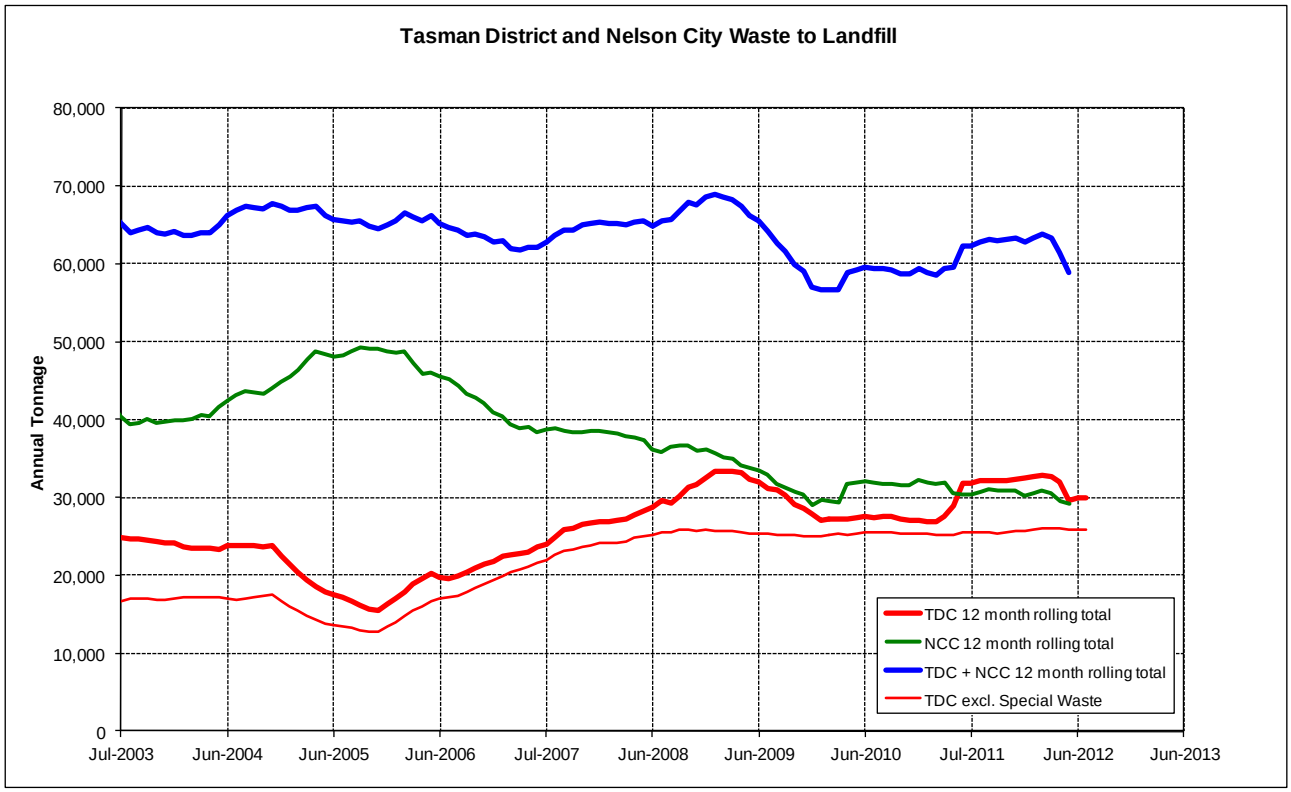
6.8 Significant capital funds are allocated this year for the preparation of a consent application for Stage 3 of the Eves Valley landfill. Staff have recently met with consultants to review the programme of work and to critical issues.

6.9 Regional waste management and minimisation

Staff have recently reviewed the programme of joint work-streams in the Joint Waste Management and Minimisation Plan and plan to meet with Nelson City Council staff in September to agree priorities and delivery of work packages. The critical item in this schedule is the consideration of joint management of the region's landfills.

6.10 In advance of this, staff have recently met with Nelson City Council staff to consider joint delivery of waste minimisation services by the Councils, as existing contractual arrangements expire shortly. It is expected that the delivery of services will be harmonised, with joint procurement of some services through a three year contract.

6.11 Regional waste trends for Nelson and Tasman are indicated in the following graph.



7. Tenders

The following tenders have been awarded since the last meeting:

No.	Contract name	No. of tenders	Successful tenderer	Amount	Highest amount	Council estimate	Budget for this item	Comment
857	Richmond Rezoning Watermain Renewals 2011 – 2012	3	Adcock & Donaldson	$463,858	$546,416	$527,620	$737,243	Tender accepted.

8. Recommendation

8.1 That the report be received.

9. Draft Resolution

9.1 THAT the Engineering Services Committee receives the Utilities Report RESC12-08-10.