



**TO THE MAYOR AND COUNCILLORS OF THE
MACKENZIE DISTRICT COUNCIL**

Membership of the Asset and Services Committee:

Cr James Leslie (Chairman)
Claire Barlow (Mayor)
Cr Noel Jackson
Cr Evan Williams
Cr Russell Armstrong
Cr Murray Cox
Cr Graham Smith

*Notice is given of the Meeting of the Asset and Services
Committee to be held on Tuesday, November 25, 2014,
following the completion of the Finance Committee meeting.*

VENUE: Council Chambers, Fairlie.

BUSINESS: As per agenda attached

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER



ASSET AND SERVICES COMMITTEE

Agenda for Tuesday, November 25, 2014

APOLOGIES

DECLARATIONS OF INTEREST

MINUTES:

Confirm and adopt as a correct record the minutes of the Asset and Services Committee meeting held on October 16, 2014, including those matters taken in public excluded.

REPORTS:

1. Asset Manager's Monthly Report (attached).

PUBLIC EXCLUDED:

Resolve that the public, be excluded from the following part of the proceedings of this meeting namely:

1. Previous minutes of the Asset and Services Committee meeting on October 16, 2014.
2. Clayton Road Land Ownership (attached).
3. Contract 1218 Pumping Plant Supply Twizel (attached).
4. Contract 1219 Emergency Generator (attached).

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
Previous minutes October 16, 2014.	Commercial sensitivity	48(1)(a)(i)
Clayton Road Land Ownership	Maintain legal professional privilege	48(1)(a)(i)
Contract 1218 Pumping Plant Supply	Enable commercial negotiations	48(1)(a)(i)
Contract 1219 Emergency Generator	Enable commercial negotiations	48(1)(a)(i)

This resolution is made in reliance on Section 48(1)(a)(i) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act, which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public are as follows: *Previous minutes of the Asset and Services Committee under section 7(2)(b)(ii). Clayton Road Land Ownership under section 7(2)(g). Contracts 1218 and 1219 under section 7(2)(i).*

RESOLUTION TO RESUME OPEN MEETING

MACKENZIE DISTRICT COUNCIL

MINUTES OF A MEETING OF THE ASSET AND SERVICES COMMITTEE HELD IN THE COUNCIL CHAMBERS, FAIRLIE, ON THURSDAY, OCTOBER 16, 2014, AT 11.09AM

PRESENT:

James Leslie (Chairman)
 Claire Barlow (Mayor)
 Cr Graham Smith
 Cr Evan Williams
 Cr Russell Armstrong
 Cr Noel Jackson

IN ATTENDANCE:

Wayne Barnett (Chief Executive Officer)
 Garth Nixon (Community Facilities Manager)
 Bernie Haar (Asset Manager)
 Geoff Horler (Utilities Manager)
 Suzy Ratahi (Roeading Manager)
 Angie Taylor (Solid Waste Manager)
 Arlene Goss (Committee Clerk)
 Jack Montgomerie (Timaru Herald)
 Three representatives from the Twizel Early Learning Centre

APOLOGIES:

There were no apologies.

DECLARATIONS OF INTEREST:

There were no declarations of interest.

MINUTES:

Resolved that the minutes of the meeting of the Asset and Services Committee held on September 2, 2014, including those parts taken in public excluded, be confirmed as an accurate record.

Claire Barlow/Russell Armstrong

REPORTS:

ASSET MANAGERS MONTHLY REPORT – OCTOBER 2014:

The purpose of this report was to update the Asset and Services Committee on the progress on various projects and also the normal operation of the department for the past month. The following matters were included in the discussion of this report:

Geoff Horler said progress was being made on the Twizel water upgrade. Cr Armstrong asked what size generator was required and Mr Horler said this was around 3000kva and would be quiet.

Cr Leslie asked regarding the Manuka Tce water supply. Mr Horler said he hoped to present a report on this at the next meeting of the Asset and Services

Committee. The Mayor asked if we could take this report to the residents of Manuka Tce to let them know what is going on. Bernie Haar said this would form part of the discussion held by the committee once the report was received.

Suzy Ratahi said some good work was done on Godley Peaks Road. Traffic is high on this road with people going to Mount John and Lake Alexandrina. This means the road is deteriorating faster than expected. Cr Smith asked if the road had been compacted properly. Bernie Haar provided a history of this road. We are getting more tourist traffic on the road than anticipated and the land use change at Godley Peaks also means more traffic.

Discussion was held on whether stations changing their land use should contribute to road maintenance when their heavy traffic was having an impact.

Regarding the Lake Tekapo Footbridge, this is on the national land transport plan and we are awaiting regional approval from NZTA. This is being followed up by the chief executive.

Cr Smith asked regarding environmental maintenance of \$55,000 spent. This is mainly due to ice gritting on the roads this year.

Suzy Ratahi said more work has happened to develop the roading collaboration with other councils. There is uncertainty around how many roading contracts there will be. The chief executive said these issues will be discussed at a meeting on Friday and a report will come back on this matter.

Cr Armstrong asked for a progress update on issues at Maitland Place, Twizel, and the Telecom box on Ostler Road. Suzy Ratahi updated these issues which are ongoing.

The Mayor asked Geoff Horler for an update regarding the clean-up of a storm water drain after a sewerage line was accidentally put into it. This was done accidentally over 10 years ago and we have paid for a portion of the repair and clean-up.

Angie Taylor reported on solid waste. Bin audits are being carried out. Contractors have checked about 100 bins in Twizel over two days. Generally they were good, but there were a few recurring issues to address through education. Further bin audits are planned for Tekapo and Fairlie.

The Mayor said she was concerned about allowing wilding pines to grow to screen rubbish at Twizel, and should other trees be used? Angie Taylor said there was cost involved in wilding removal. The Mayor said she would discuss this further with Angie Taylor.

Cr Jackson asked regarding waste metal drop off and if it included car bodies. We discourage this unless the body has been stripped of contaminants.

Resolved that the report be received.

Evan Williams/Graham Smith

LAKE ALEXANDRINA CONSERVATION TRUST:

A letter from the trust asking for a contribution towards conservation work at Lake Alexandrina is attached to the minutes at page 22.

Garth Nixon spoke regarding this matter. The trust has applied for money historically which council has granted. They have done some good work around Lake Alexandrina. Council has a policy related to the funds that come from the

lease of the huts. We have to retain about \$24,000 for emergency work and there is a balance in the reserve of approx. \$200,000. The community can do work on the reserves using this fund.

He thinks we should fully fund the request of \$16,400 to carry on with the work the trust are doing. This will be used for further work on Scott's Creek and other tasks outlined in the letter from the trust.

The chairman suggested that we ask the trust to invite councillors to view their activities at some stage.

Resolved:

1. That the report be received.

Claire Barlow/Russell Armstrong

2. That the Asset and Services Committee approve a \$16,400 grant to the lake Alexandrina Conservation Trust funded from the Lake Alexandrina Reserve.

Claire Barlow/Russell Armstrong

TWIZEL EARLY LEARNING CENTRE:

The purpose of this report was to consider a request from the Twizel Early Learning Centre for land. Three representatives from the Twizel Early Learning Centre were at the meeting.

Garth Nixon said the Twizel Early Learning Centre had approached council for assistance and options to expand. Following discussion with our planners he had discovered that childcare facilities were appropriate on land zoned Rec A. The community board were in favour of using Rec A land to assist.

He is asking the Asset and Services committee to approve further exploration of using Rec A land and said there were other examples of childcare facilities using council land in this manner.

Garth Nixon then tabled a map showing a building in the viewing corridor in Twizel which would require a resource consent, as an example of what he was considering.

The Mayor asked if that was the only Rec A land that makes practical sense in Twizel. Anything in the viewing corridor would require a resource consent.

Garth Nixon said another possibility was the existing basketball court. The chairman asked if the old medical centre had been considered. Garth Nixon has considered it but questioned the suitability of this site due to the value of the land.

Cr Jackson asked what would become of the old Twizel Early Learning Centre building, which stands on council land. If the land was sold they could have the value of the building. The land could be sold and this money would go back into the council's real estate account.

Cr Smith asked the representatives from the Twizel Early Learning Centre if they wanted to be in the middle of town. They said yes, this was best location for parents. What are the growth projections? The baby area at the current centre is at full capacity at the moment and there has been a baby boom in

Omarama and Twizel over the past six months. They are the only childcare facility available for this age, and only have seven spaces for babies under 2.

The new building would allow 50 children so is larger than the current building. They would also like to expand over time as needed.

Garth Nixon said the viewing corridor is up for review in the district plan, but expansion of a childcare centre on that site would currently require resource consent.

The Mayor said she sees this as part of the critical infrastructure for Twizel. Council should lend support to foster growth in the community. She thinks it's a good location.

Cr Jackson asked the representatives from the Twizel Early Learning Centre how they feel about their old building being put up for sale to help fund this. They agreed with this idea.

Cr Armstrong asked if they qualified for any assistance from the government. They replied that they cannot get funding from the Ministry but can apply for grants from places like Meridian, and do fundraising.

Resolved:

1. That the report be received.

Evan Williams/Graham Smith

2. That council agree in principle to offer a piece of the Rec A zoned land for child care facilities and explore the options alongside the Twizel Early Learning Centre and Twizel Community Board.

Russell Armstrong/Evan Williams

PUBLIC EXCLUDED:

Resolved that the public, be excluded from the following part of the proceedings of this meeting namely:

1. Previous minutes of the Asset and Services Committee meeting on September 2, 2014.
2. Contract Bridge Replacements

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48(1) for the passing of this resolution
Previous minutes September 2, 2014.	Enable Commercial Negotiations	48(1)(a)(i)
Contract Bridge Replacements	Commercial Sensitivity	7(2)(b)(ii)

This resolution is made in reliance on Section 48(1)(a)(i) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act, which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public are as follows: *Previous minutes of the Asset and Services Committee under section 7(2)(i). Contract bridge replacements 7(2)(b)(ii).*

Claire Barlow/Evan Williams

The Asset and Services Committee continued in open meeting.

**THERE BEING NO FURTHER BUSINESS THE
CHAIRMAN DECLARED THE MEETING CLOSED AT 12.08PM**

CHAIRMAN: _____

DATE: _____

Unconfirmed

MACKENZIE DISTRICT COUNCIL

REPORT TO: ASSETS AND SERVICES COMMITTEE

FROM: ASSET MANAGER

SUBJECT: ASSET MANAGER'S MONTHLY REPORT

MEETING DATE: 25th November 2014

REF: WAS 1/1

ENDORSED BY: CHIEF EXECUTIVE OFFICER

REASON FOR REPORT

To update the Assets and Services Committee on the progress on various projects and also the normal operation of the department for the past month.

RECOMMENDATION:

1. That the report be received.

BERNIE HAAR
ASSET MANAGER

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

ASSET MANAGEMENT

PROJECT PROGRESS

Twizel- Proposed upgrade to meet DWS

The table below sets out the work progress and decisions required.

Item	Outcome
1) Twizel Reservoir Liner Replacement. Will be included in the 2015-25 LTP for consideration. The liner is likely to be replaced in 2015-16.	Liner Report received. Included in the LTP for 2015-18
2) Twizel Water - Bench scale testing of 1µm cartridges for turbidity removal. Turbidimeter now being fitted. Geoff to emphasise to Whitestone Contracting the importance of filling in the record sheets.	This has been installed and testing is underway. Results to-date have shown some inconsistencies that we think is coming from silt on the liner being stirred up from the turbulence caused by the pump inflow. The test cartridge filter is being re-plumbed to record directly off the raw well water before it hits the reservoir.
3) Twizel Water – Screens. Camera inspection of No. 2 bore has been carried out. Opus have thoughts on way forward.	Pump is to be installed in No 2 bore. Draw down testing to be undertaken to re-develop the well. This will give an indication how well the screen/well is performing. Results will give an indication of required upgrade procedure for Bore No.1.
4) Twizel Water Supply, Water Safety Plan (PHRMP). Supply now compliant with the Health Act. The water testing procedures are now to be sorted out so that the water will be compliant with DWSNZ. Geoff to discuss with the DWA.	Completed

<p>5) Twizel - Information for Reticulation Modelling.</p> <p>Bernie to recheck zone maps to confirm “on-demand” and “restricted” for the Residential 4 zone in question. Murray can the contact Jeff McLean again to undertake the modelling.</p> <p>Modelling is also to consider:</p> <ul style="list-style-type: none"> • Larger Retic. pipe required from the reservoir to the take off point for the new trunk main to the west. • Mackenzie Drive has 2 x 150mm dia. pipes. Could replace one with a larger pipe and run a rider main (fusion welded) inside the other, with cross links in places and valves at streets off. 	<p>Completed</p> <p>This work to be completed shortly The modelling is critical as pipe sizing confirmation is required for the Year 1 of the AC pipe replacement programme. In addition to the pipe sizing questions to the left there are other sizing questions such as;</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mt Cook Street – 150mm pipe the right size or replace with different size? <input type="checkbox"/> Pipe to Meridian location – 150 AC at present; replace with 63mm because of lower demand? <input type="checkbox"/> etc
<p>6) Twizel Booster Pumps</p> <p>When flow demands are confirmed (Item 6 above and Item 15 below) then contract documents preparation for supply can be started.</p> <p>Preliminary layouts for the stages of acceptable. Detailed design layouts for installation of booster pumps and treatment equipment can commence.</p> <p>Issues identified during preliminary design require short reports to be submitted for consideration:</p> <ul style="list-style-type: none"> • Best chemical type for chlorination. • Protozoa testing versus Cartridge Filtration for higher log credit requirement. 	<p>Tenders have been called for the supply of the booster pumps. Tender evaluation report on the agenda for consideration.</p> <p>Layout for the new heads works has been completed and the physical works are now out to tender.</p> <p>Report has been prepared but we are waiting on the cost of twelve months testing Cryptosporidium testing before deciding to proceed with this or not. If the results are positive we could do away with the 1µm cartridges and instead use a larger screen size that will last considerably longer.</p>
<p>7) Pipe Condition Survey</p> <p>When results from the most recent samples have been received Bernie and Geoff will travel to Opus CHCH office – looking for interpretation of the data across the whole network.</p> <p>This will then lead to the required replacement programme and a report</p>	<p>All samples have been tested and the results supplied confirms the need to start the replacement programme in 2015 and continue for the next 20 years, spending \$200,000 to \$250,000 per annum.</p> <p>Opus is preparing a report on the findings for both the Council and the community Board’s</p>

<p>prepared. A presentation will then be made to the council and Community Board.</p> <p>MDC will be looking to Opus to provide guidance with replacement options – relining/pipe cracking/etc.</p> <p>Preparation of contract documents, etc will also be required in the longer term.</p>	<p>information.</p> <p>Over time the options to replace, refurbish or reline will have to be considered.</p>
<p>8) SCADA Upgrade</p> <p>Meeting earlier in the day (11th) with Judy Blakemore (TDC). Sharing of some resources could be possible. Memorandum of Understanding between TDC/MDC needs to be prepared.</p> <p>Geoff to manage project for MDC. MP to keep in touch re space requirements, etc.</p>	<p>Geoff is working on this so that the first site can be installed in Twizel as part of the upgrade. A Memorandum of Understanding between TDC/MDC has been prepared and is subject to review prior to the parties executing the document.</p>
<p>9) Manuka Tce Water Supply</p> <p>Opus to proceed with this work.</p>	<p>Draft report has been produced detailing the design but lacks how it will be funded. When complete this will be presented to Council for consideration.</p>
<p>10) Tekapo WTP chlorination/UV compliance.</p> <p>Keith Turner and Geoff to meet to discuss non-compliance (paperwork)?</p>	<p>All compliance matters sorted out.</p>
<p>11) Fairlie Water Supply – New source.</p> <p>All piping and turbidimeter installed. Electrician to wire up turbidimeter and testing can start.</p> <p>Cello data logger will be downloaded once a month.</p>	<p>Installation complete and data being recorded.</p>
<p>12) Fairlie Reticulation Renewals</p> <p>Aerial maps supplied showing required work. Opus to provide offer of service for design, MSQA(?) and estimate.</p>	<p>Opus preparing contract documents for advertising within the next two weeks.</p>

ROADING

General Maintenance

Pre-reseal repairs are nearing completion with resurfacing work programmed in December/January. Line marking has now begun in the district. Fairlie Township has been completed and works are beginning in the rural area, with Twizel then Tekapo to follow. Maintenance Metalling has begun with a wearing course being completed on the worst section of Rollesby Valley Road, which previously has had frost heave issues



Environmental Maintenance

Total spend to date is \$61,226.13 in environmental management to the end of September, with some spraying and mowing having needed to be completed this spring.

FAR Update

NZTA have just released the final decisions on Funding Assistance Rates. Mackenzie's current FAR Rate is 53% through to July 2015 when the average FAR will increase to 54%. Every financial year there will be a 1% reduction until the FAR reaches the baseline of 51%

Lake Tekapo Footbridge

As yet there has been no update from NZTA in regards to approval for this project. Total Consultancy spend to date \$13,312.50

Bridge Replacements and Minor Improvements

Resource consents have been finalised and issued for the 3 bridges. Whitestone are expecting to start construction on the 12th of January 2015 with completion required within 12 weeks.

Blair Excavation is planning to start both Middle Valley Road and Mt Michael Valley Road site benching in February 2015.

Whitestone has programmed to complete Irishman Drive/Maitland Place Intersection improvements in March 2015

Bridge Maintenance

Works are now finished at Coal River Bridge. Road metals completed the work whilst in area crushing maintenance metal, this has significantly reduced establishment costs and has resulted in a more central alignment of the river bed.



Collaboration Update

The writing of the shared road maintenance contract continues to be a priority for the technical officers group. As this needs to be approved by the respective Councils in February/March for advertisement soon thereafter. However, progress on this project has slowed due to uncertainty around the number of Mid-South Canterbury Contracts that will be advertised and also what structure would need to be put in place if any of the four road maintenance contracts were bundled. In preparing advice for our Chief Executive on the various options it has become clear to us that any option other than the status quo, albeit using a shared document, requires good political and public buy in, and triggers consultation requirements in term of Mackenzie District's significance policy. It will take some time to work through these matters, but as noted above there is not a lot of time to fully analyse the impacts of any form of bundled contract, and/or the possible management structure required to effectively manage a combined contract. The technical team have produced a draft business case that attempts to shed some light on those concerns for consideration by the various Chief Executives. Total external costs to date \$5196.56 plus GST out of a total estimated cost to complete project of \$8400 (Mackenzie Share)

NZTA Investment Audit

Every 3 years, prior to finalisation of the national Land transport Programme, Mackenzie District Council under goes an Investment Audit (previously known as a procedural audit), which is carried out by the New Zealand Transport Agency. All claimed subsidised roading activities over the previous 3 years are assessed for compliance under NZTA rules. There is a considerable amount of preparation required in gathering the documentation and data for review by the Auditor. A formal report will be produced for Council but the results, conveyed to us at the close out meeting, show that Mackenzie District has good systems in place, which comply with all current NZTA requirements, and that the Nation Land Transport Programme for the Mackenzie District is well managed. The Auditor noted that

2014/15

Month	Rural (%)	Twizel (%)	Tekapo (%)	Fairlie (%)
July	85	5	8	2
August	82	5	10	3
September	95	2	2	1
October	85	8	5	2
November	85	8	5	2
December	85	8	5	2
January	85	8	5	2
February	85	8	5	2
March	85	8	5	2
April	85	8	5	2
May	85	8	5	2
June	85	8	5	2

Month	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
Jul	350	400	450	250	300	350	1500
Aug	650	700	900	500	600	700	1500
Sep	1000	1100	1200	800	900	1000	1500
Oct	1600	1700	1800	1200	1300	1400	1500
Nov	2000	2100	2200	1500	1600	1700	1500
Dec	2400	2500	2600	1800	1900	2000	1500
Jan	2700	2800	2900	2100	2200	2300	1500
Feb	3100	3200	3300	2300	2400	2500	1500
Mar	3300	3600	3400	2600	2700	2800	1500
Apr	3800	4000	3100	2900	3200	3400	1500
May	4000	4300	3500	3300	3600	3800	1500
Jun	4400	4600	4000	3500	3900	4100	1500

UTILITIES

Budget Update

FAIRLIE

Water:

End of October the Operation and Maintenance expenditure. Electricity cost \$605 is under budget. Contractors \$10,465 is under budget. Water quality monitoring \$1230 is under budget.

Wastewater:

End of October the Operation and Maintenance expenditure. Electricity cost \$844 is under budget. Contractor \$7415 is slightly over budget. Quality monitoring \$406 is on budget.

Stormwater:

End of October the Operation and Maintenance expenditure. Contractor \$239 is under budget.

TEKAPO

Water:

End of October the Operation and Maintenance expenditure. Power \$1,514 is over budget this could be to not allowing enough for the UV plant and new pump station in Lochinver subdivision. Contractor \$10,036 is under budget. Water quality monitoring \$1,050 is under budget.

Wastewater:

End of October the Operation and Maintenance expenditure. Power \$2,975 is under budget. Contractor \$17,500 over budget this is due to problems at the Domain pump station. Quality monitoring \$168 is on budget.

Stormwater:

End of October the Operation and Maintenance expenditure. Contractor \$4,008 is over budget.

TWIZEL

Water:

End of October the Operation and Maintenance expenditure. Contractor \$18,700 is under budget. Power \$16,482 is under budget. Water quality monitoring \$1,050 is under budget.

Wastewater:

End of October the Operation and Maintenance expenditure. Contractor is \$5,088 on budget. Power \$385 is under budget. Consent Monitoring is \$4,317 is over budget.

Stormwater:

End of October the Operation and Maintenance expenditure Contractor is \$2,213 over budget. Consent monitoring \$85 is under budget.

BURKES PASS

Water:

End of October the Operation and Maintenance expenditure. Contractor \$1160 is on budget. Water quality monitoring \$450 is on budget.

Wastewater:

End of October the Operation and Maintenance expenditure. Contractor \$292 is on budget. Monitoring for consent is \$446 is over budget.

General comments:

Water quality testing of all the supplies will be done at Hills Laboratories from the beginning of December. They are doing the test a lot cheaper than the current ones, also there will be a lot more tests carried out so that we are compliant with the Ministry of Health and Drinking water standards.

The turbidity testing on the spring on Waters property is not going to well due to an algae problem until we can sort this out will not really know how good this possible source could be. We are working with Whitestone to sort this out.

There was a leak on the 150mm AC line in Kimbell. Fairlie Campground is now completed except for the back filling of the old sump which will be done very soon.

Some leak detection has been done in Tekapo and a number of possible leaks have been identified which will be investigated. The level control unit that controlled the pumps starts and stops at the Domain sewer pump station failed. This has now been replaced with an ultra-sonic unit. Quotes have been obtained to lay a storm water line to remedy the flooding around the Mantra complex and Beauchamp Place in Tekapo. The lowest price received is \$17,000 over budget. A report has been presented to the Tekapo Community Board to consider an application to approve the over expenditure.

The filter testing at the Twizel pump shed has had a few problems with higher than expected turbidity, resulting on a short life of the cartridge filter in the bench test rig. There have been the normal toby repairs. Also I would like to reiterate how fragile the pumps are and that it would be nice to see water being used sensibly. There may well have to be restrictions put in place. No 5 pump failed again just recently caused by old age. We continue to nurse the old works along until the new system is installed early next year. Twizel sewer budget over spend is due to some miss coding this has been rectified.

The storm water discharge point on Glen Lyon Rd opposite the camp ground had some nib walling installed to control the out flow that was undermining the structure and putting it at risk of falling off the end of the pipe. There is still some more work that needs to be completed to solve the problem completely.

SOLID WASTE

Bin audits

Audits of recycling wheelie bins has been underway, with at least one check of each town and delivery day completed. These audits have been done by myself and Tony Le Brun, our Envirowaste Contract Manager, using the rear load rubbish truck.

The main issues for all three towns are food waste and glass being placed in recycling wheelie bins. There is also a range of household waste and non-recyclable items appearing in the recycling such as clothing, polystyrene, ceramics/crockery plus a few instances of disposable nappies and dog poo.

Over 250 bins have been randomly audited, with an average of 31 % of bins being tagged for not containing the correct recyclables. Bins are tagged with a note to the occupants to detail what items should not be in their recycling bin. Bins with minor non-compliance were emptied, while others were left full or partly full for the occupants to remedy the contents.

There was no outstanding town for the best recycling, however, Tekapo has the largest room for improvement. We are in the process of continuing audits with a focus on revisiting previously tagged bins. Information from the audits is valuable for developing further recycling education.

Education

Holiday homes

Consultation with holiday home rental companies is underway with the aim of creating useful resources to help visitors use our wheelie bin system correctly.

Cloth nappy packs

The original uptake of cloth nappy packs was positive. Surveys of those who have purchased packs will be underway soon to gauge their effectiveness in terms of waste reduction.

Composting project

Several local households have been trialling two different home composting systems during the year. I am currently assessing whether there is value in promoting these to residents to help reduce the amount of food waste that is disposed of as residual waste.

Local newspapers

New cartoon waste messages are being created and will be printed in the Fairlie Accessible and Twizel Update. These will focus around current issues with waste, particularly those evident from bin audits.

Christmas and New Year's collections and park opening hours

Kerbside collections will temporarily change to Friday in Fairlie as Christmas and New Year's day fall on a Wednesday this year. All other collections will run as normal. The double rubbish and recycling collection in Tekapo during New Year's week has proved effective over the last few years and this will be run again these holidays. Recovery Park opening hours have been adjusted around the public holidays.

Twizel RRP works

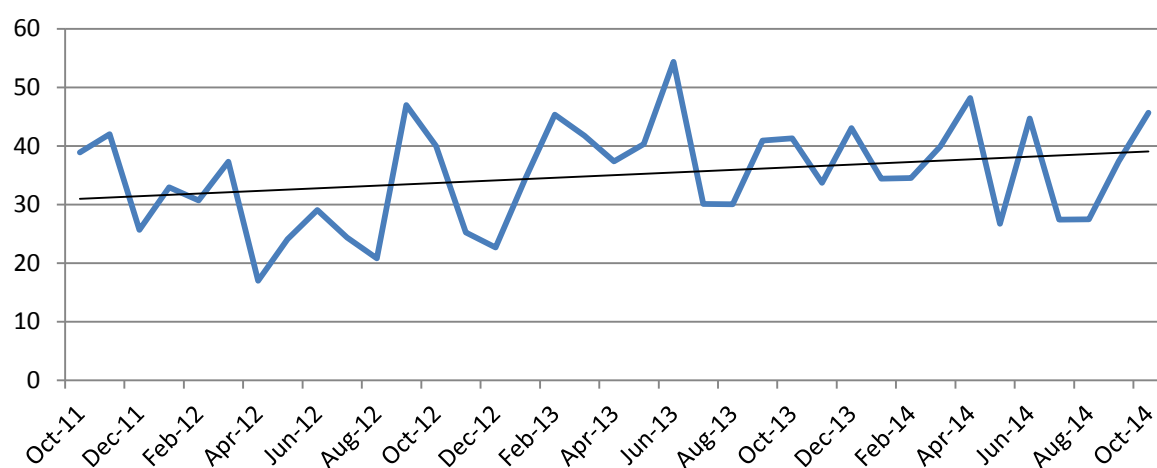
The old greenwaste in the Twizel RRP has now been moved and shaped into landscape berms along part of the front and rear boundaries. A number of wildings have also been removed along these boundaries.



The berms will be planted shortly, with fresh greenwaste to be used around plantings.



Percentage of waste diverted from landfill



Percentage of recycling sent to landfill as residual waste

