



Mackenzie

DISTRICT COUNCIL

Notice is given of an Engineering and Services Committee Meeting to be held on:

Date: Tuesday, 16 November 2021

Time: Following Extraordinary Council Meeting

Location: Council Chambers

Fairlie

AGENDA

Engineering and Services Committee Meeting

16 November 2021

Note: This meeting may be digitally recorded by the minute-taker.

Engineering and Services Committee Membership:

Stuart Barwood (Chair)
Emily Bradbury
Murray Cox
James Leslie
Anne Munro
Matt Murphy
Graham Smith

The purpose of local government:

(1) The purpose of local government is—

- (a) to enable democratic local decision-making and action by, and on behalf of, communities; and
- (b) to meet the current and future needs of communities for good-quality local infrastructure, local public services, and performance of regulatory functions in a way that is most cost-effective for households and businesses.

(2) In this Act, good-quality, in relation to local infrastructure, local public services, and performance of regulatory functions, means infrastructure, services, and performance that are—

- (a) efficient; and
- (b) effective; and
- (c) appropriate to present and anticipated future circumstances.

(Local Government Act 2002)

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- 1 OPENING**
- 2 APOLOGIES**
- 3 DECLARATIONS OF INTEREST**
- 4 VISITORS**

5 REPORTS

5.1 MINUTES OF ENGINEERING AND SERVICES COMMITTEE MEETING - 17 AUGUST 2021

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Minutes of Engineering and Services Committee Meeting - 17 August 2021

RECOMMENDATION

1. That the Minutes of the Engineering and Services Committee Meeting held on Tuesday 17 August 2021 be received and confirmed as an accurate record of the meeting.



Mackenzie

DISTRICT COUNCIL

Unconfirmed MINUTES

**Engineering and Services Committee
Meeting**

17 August 2021

**MINUTES OF MACKENZIE DISTRICT COUNCIL
ENGINEERING AND SERVICES COMMITTEE MEETING
HELD AT THE COUNCIL CHAMBERS, FAIRLIE
ON TUESDAY, 17 AUGUST 2021 AT 9.30AM**

PRESENT: Cr Stuart Barwood (Chairperson), Cr Emily Bradbury, Cr Murray Cox, Cr James Leslie, Cr Anne Munro, Cr Matt Murphy, Mayor Graham Smith

IN ATTENDANCE: Angela Oosthuizen (Acting Chief Executive), Paul Numan (GM Corporate Services), Tim Harty (GM Operations), Dave Adamson (Acting Engineering Manager), Chris Clarke (Communications Advisor), Scott McKenzie (Roading Manager), Mike Davies (Programme Manager 3 Waters), Geoff Horler (Utilities Manager), Angie Taylor (Solid Waste Manager), Brian Milne (Community Services Officer), Arlene Goss (Governance Advisor), Peter Dawson (Beca), one member of the media

1 OPENING

The chairman welcomed everyone to the meeting.

2 APOLOGIES

There were no apologies.

3 DECLARATIONS OF INTEREST

There were no declarations of interest.

4 VISITORS

There were no visitors other than staff.

5 REPORTS

5.1 MINUTES OF ENGINEERING AND SERVICES COMMITTEE MEETING - 20 APRIL 2021

COMMITTEE RESOLUTION ENG/2021/14

Moved: Mayor Graham Smith

Seconded: Cr Emily Bradbury

1. That the Minutes of the Engineering and Services Committee Meeting held on Tuesday 20 April 2021 be received and confirmed as an accurate record of the meeting.

CARRIED

5.2 3 WATERS AND FOOTPATH PROJECT UPDATE

Peter Dawson from Beca was present to answer questions. Mr Harty introduced him.

Mr Dawson updated the councillors on progress with the Fairlie water treatment plant. Engagement had been held with iwi and neighbours. The project risk was noted as high due to water reform and contractor availability. The membrane also had a long lead time of a year to 18 months.

The chairman was concerned about the costs of the Fairlie Water Treatment Plant, as stated in the explanation of \$1million for an extra reservoir. He believed there were alternatives that needed to be considered.

Discussion took place on the pace of the project. The chairman thought Council was moving far too slow. Mr Harty noted that money for the project was in the Long Term Plan and this had not yet been approved. Until it was approved Council could not spend any more funds. Also the supply chain issues were slowing the project.

Further questions were asked about the details of the project and discussion included the requirements of a robust design and procurement process.

The acting chief executive asked staff to introduce a financial report to future updates to track spending and borrowing.

Mr Dawson was thanked for his report and he left the room.

COMMITTEE RESOLUTION ENG/2021/15

Moved: Cr Stuart Barwood

Seconded: Cr Anne Munro

That the information be noted.

CARRIED

5.3 THREE WATERS STIMULUS GRANT PROGRAMME UPDATE

Programme manager Mike Davies updated the committee on current work. He said he would be ordering materials immediately due to current problems with supply.

There had been a discussion with iwi who were very interested in the subject and keen to engage. They supported water metering for Twizel.

The chairman asked for an update on Ecan and compliance. Mr Davies said there had been various discussions regarding de-sludging. There was now a design for Burkes Pass to address compliance matters and this would go out for tender soon. The chairman asked if Mr Davies was confident about meeting the timeframe. Mr Davies said he had been under pressure from DIA to spend the money and if the original timeframe could not be met, plan B was to spend more money on water supply renewals.

Crown infrastructure were planning an onsite visit on August 31.

COMMITTEE RESOLUTION ENG/2021/16

Moved: Cr Stuart Barwood

Seconded: Cr Anne Munro

That the information be noted.

CARRIED

5.4 COMMUNITY FACILITIES REPORT

The report gave the committee an overview of activities within the community facilities area, with specific focus on township maintenance works.

Community facilities officer Brian Milne took the councillors through the report. Parks and maintenance had gone quiet in winter. There were significant issues to resolve around the heating of the two swimming pools. The biggest problem was the upgrade of the transformer at the Twizel pool to support a new heat pump, which was a big job and would take up to 18 months to complete.

The advantages of the heat pump were discussed. Cr Cox asked if money was now being put away to upgrade these systems. Mr Harty said it was correct that there wasn't a pool of money put aside to do these, and the acting chief executive said she could find out how much depreciation was in the reserve for pool upgrades. A report would need to come to the next council meeting on this.

Council requested a full report on both swimming pools come to the next meeting. They noted it was important to get this work underway due to the coming swimming season.

Cr Leslie said there was urgency needed in dealing with the Twizel School rebuild, in terms of the shared library facility. The Ministry of Education was moving forward with the rebuild and Council needed to get the MOU re-done. The acting chief executive said the Ministry of Education was coming to the district to visit and a meeting would be organised.

COMMITTEE RESOLUTION ENG/2021/17

Moved: Cr Anne Munro

Seconded: Cr Emily Bradbury

1. That staff prepare a report for Council to consider the preparation of a Reserve Management Plan for the Ruataniwha Reserve.
2. That staff refer a proposal for the development of the Ohau Rd Reserve to the Twizel Community Board for their consideration.
3. That the committee instructs staff to compile a report on the Fairlie and Twizel pools and brings that back to Council as soon as possible for consideration.

CARRIED

5.5 COMMUNITY SERVICES AND WASTE REPORT

Solid waste manager Angie Taylor joined the meeting. She updated the councillors on current initiatives within waste management. She was waiting for the Long Term Plan process to finish before she could introduce green organic waste bins.

A local in Twizel was running a bike waste collection service. She is picking up organic waste on her bike and recycling it. A school-based recycling programme called "Paper for Trees" was running in the schools.

The councillors said people were looking forward to having green waste bins. Cr Munro would also like to support further recycling in the agriculture sector.

Cr Murphy asked whose responsibility it was to pick up litter on highways. On state highways this is Waka Kotahi (NZTA).

COMMITTEE RESOLUTION ENG/2021/18

Moved: Cr Stuart Barwood

Seconded: Cr Anne Munro

That the information be noted.

CARRIED**5.6 ENGINEERING MANAGER'S REPORT**

Engineering manager Dave Adamson said the team was busy working on the annual report.

The new Burkes Pass water treatment plant was producing some very high quality water. Council was far exceeding the number of water quality tests required and was complying with the drinking water standards.

Flood damage from the end of June was being repaired within the budgets available.

Cr Munro congratulated staff on finishing the street lighting project, and Cr Leslie added compliments on the cycleway work in Twizel.

COMMITTEE RESOLUTION ENG/2021/19

Moved: Cr Stuart Barwood

Seconded: Cr Anne Munro

That the information be noted.

CARRIED**6 PUBLIC EXCLUDED****RESOLUTION TO EXCLUDE THE PUBLIC****COMMITTEE RESOLUTION ENG/2021/20**

Moved: Cr Anne Munro

Seconded: Cr James Leslie

That the public be excluded from the following parts of the proceedings of this meeting.

The general subject matter of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under

section 48 of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48 for the passing of this resolution
6.1 - Update on Road Maintenance Contract Renewal Process	s7(2)(i) - the withholding of the information is necessary to enable Council to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)	s48(1)(a)(i) - the public conduct of the relevant part of the proceedings of the meeting would be likely to result in the disclosure of information for which good reason for withholding would exist under section 6 or section 7

CARRIED

COMMITTEE RESOLUTION ENG/2021/21

Moved: Cr Stuart Barwood

Seconded: Mayor Graham Smith

That the committee moves out of closed meeting into open meeting.

CARRIED

The Meeting closed at 11.40am.

The minutes of this meeting were confirmed at the Engineering and Services Committee Meeting held on .

.....

CHAIRPERSON

5.2 WASTE MINIMISATION AND MANAGEMENT**N/A****Author:** Angie Taylor, Community Services and Solid Waste Officer**Authoriser:** David Adamson, General Manager Operations - Acting**Attachments:** Nil**STAFF RECOMMENDATIONS**

That the information be noted.

BACKGROUND**Waste Minimisation and Management Contract**

The new Waste Minimisation and Management Contract commenced on 1 October. This is a long term contract that has been awarded to EnviroWaste. The new contract provides a range of opportunities for improved waste diversion and management that will provide benefits to the district in terms of reducing waste to landfill and lower carbon emissions.

The start of the new contract comes at a time that the waste sector is seeing a significant number of changes and an increase in priority on a national level. There has been an ongoing effort to create new opportunities for Mackenzie in the management of waste and the new contract provides an ideal time to take advantage of these opportunities and implement new systems and processes to advance our progress in waste diversion and minimisation.

New reporting will be provided to the Committee as new systems are implemented.

Waste Levy reporting

The National Waste Disposal Levy is being progressively increased in value and expanded to apply to additional disposal sites. From 1 January 2022, the reporting requirements for the levy are also being expanded and mandatory reporting requirements will apply to the Resource Recovery Parks in the Mackenzie. While these reporting changes will not alter the amount of levy payments, it will require additional staff time to meet the new levy obligations.

Waste Levy Audit Outcome

The National Waste Disposal Levy is administered by the Ministry for the Environment (MfE). Earlier this year, MfE carried out an audit of the Council's spend of the waste levy. The audit identified full compliance with obligations under the Waste Minimisation Act, as well as adherence to the Ministry's guidelines for planning for and spending levy funds. It is noted that MfE can withhold levy funding payments to Councils where they consider funds are not being spent appropriately and therefore compliance with the requirements is essential in retaining levy funding.

Proposed Waste Legislation Changes

There are a range of legislative changes proposed in the waste area. These include Te kawe i te haepapa para – Taking responsibility for our waste: a new waste strategy and issues and options for new waste legislation. The overarching vision of this new strategy is moving towards a circular economy, where resources are continued to be used and not wasted.

The proposal raises fundamental questions for the role of local government in waste, the allocation of revenue from the waste levy, licencing of waste operators, new information requirements, monitoring and enforcement as well as increased product stewardship responsibilities and national standards for waste, recycling and resource recovery.

In addition, a new Emissions Reduction Plan is proposed. This aims to set the direction for climate action for the next 15 years and provide a pathway to meeting the goal of 2050 net-zero greenhouse gas emissions and biogenic methane targets through the implementation of policies and strategies for a range of sectors, including waste.

The proposed changes will have important and significant changes in the waste area and staff are currently working on preparing a submission.

Clean/hardfill Resource Consent Application Update

A resource consent application for the continued operation of the three existing cleanfill sites in the district was lodged in 2019. The previous consents for the cleanfill sites expired in November 2019, however as the new application was lodged within the appropriate timeframe, these sites can continue operating under Section 124 of the Resource Management Act while the application is being processed. The current application is for the discharge of contaminants to air and to land from cleanfills located in Twizel, Tekapo and Fairlie.

Site visits have recently been undertaken by Environment Canterbury as part of this application, with further updates to be provided as the application progresses.

Free Greenwaste Drop Off Day

A free greenwaste drop off day was held at all three Resource Recovery Park sites on the Sunday during Labour Weekend. This has run for several years during Labour Weekend and continues to be well received. This provides an opportunity for property owners to clear vegetation and reduce fire risk within the townships.

Twizel – 16.52 tonnes – 102 cars/drop offs

Tekapo – 16m³ – 16 cars/drop offs

Fairlie – 27m³ – 12 cars/drop offs

Health and Safety

The contractor has reported that there have been no recent significant injuries or incidents associated with the previous Solid Waste Services Contract and the new Waste Minimisation and Management Contract.

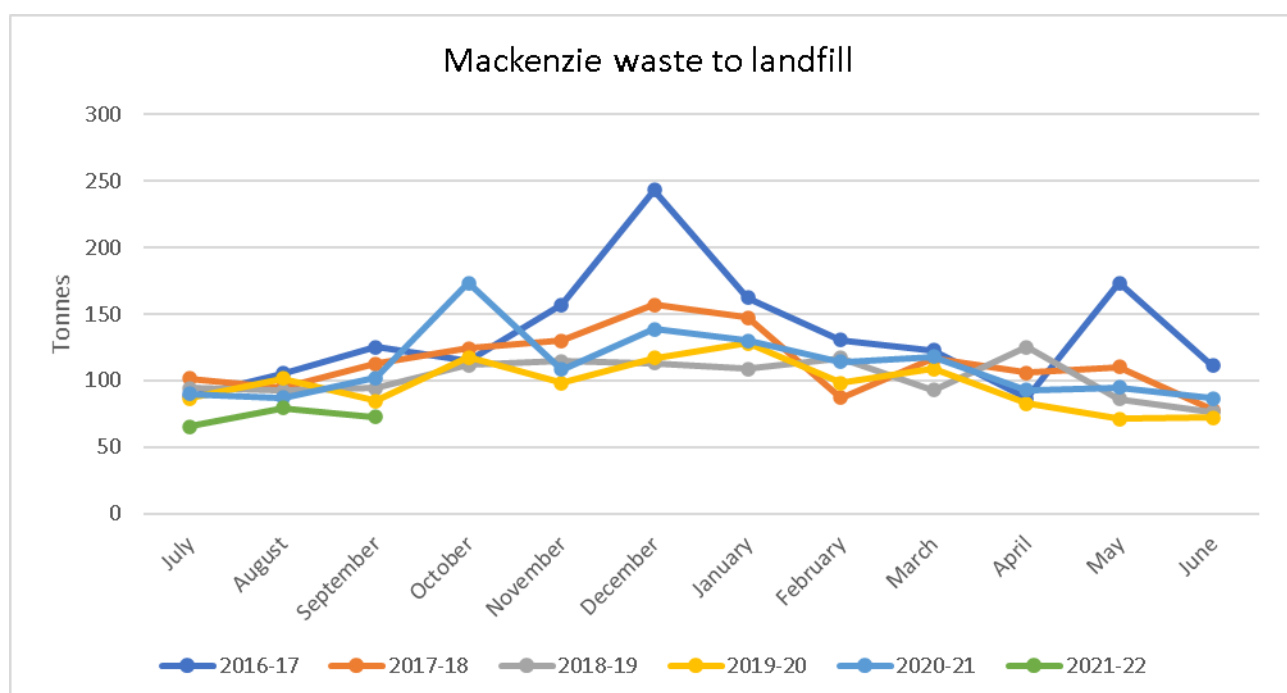
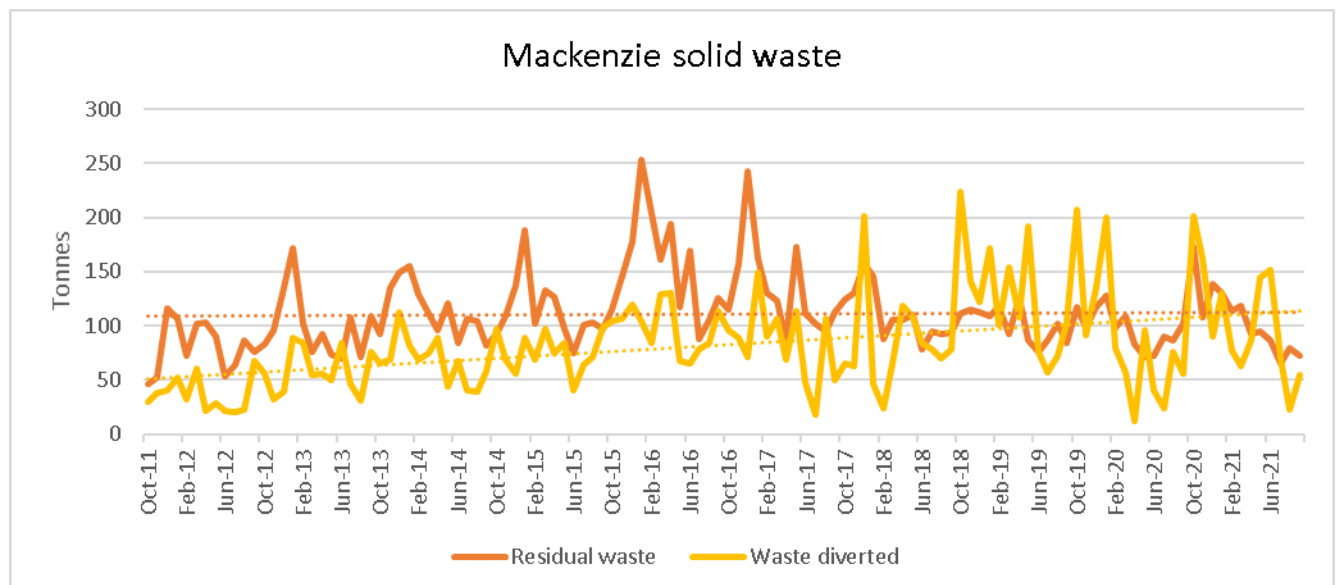
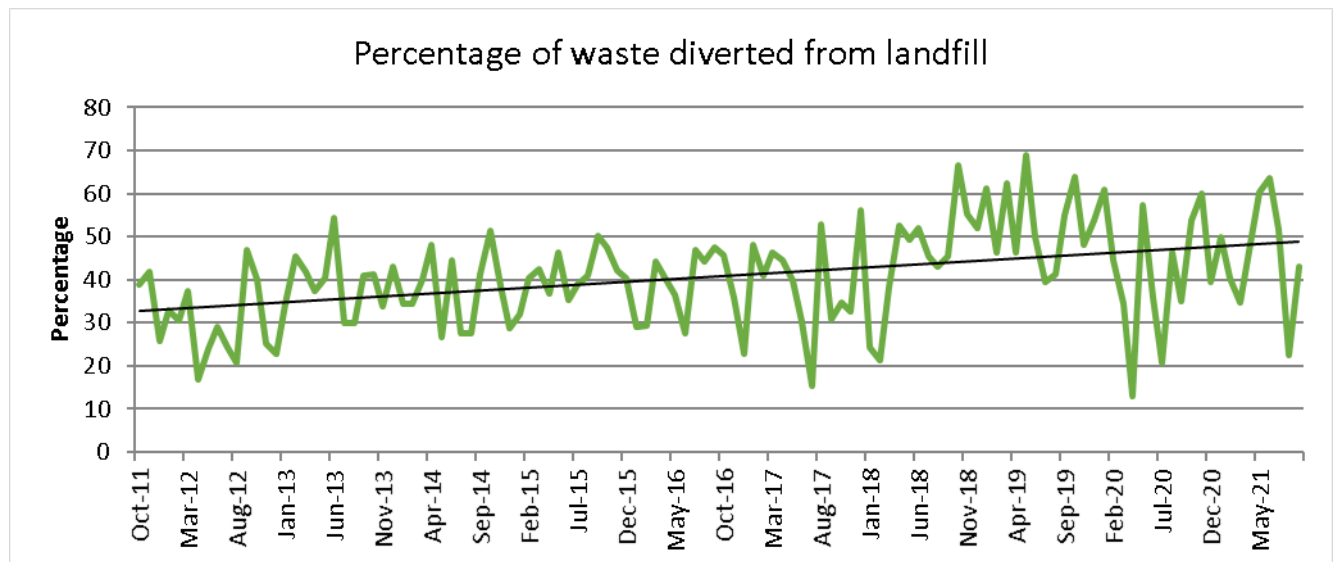
General Operations

Waste services were able to work with agility through the recent Covid level changes, with support from both EnviroWaste and our Communications Team.

Recycling contamination rates continue to remain at acceptable levels and waste

Waste Data and Trends

Waste diversion continues to increase, with the percentage of waste diverted from Class 1 landfill for 2020/21 reaching 48.6%. Graphs of waste data and trends are shown below:



5.3 COMMUNITY FACILITIES REPORT

Author: Brian Milne, Community Facilities and Services Officer - Contractor

Authoriser: David Adamson, General Manager Operations - Acting

Attachments: Nil

Council Role:

- ☐ **Advocacy** When Council or Committee advocates on its own behalf or on behalf of its community to another level of government/body/agency.
- ☐ **Executive** The substantial direction setting and oversight role of the Council or Committee e.g. adopting plans and reports, accepting tenders, directing operations, setting and amending budgets.
- ☐ **Legislative** Includes adopting District Plans and plan changes, bylaws and policies.
- ☐ **Review** When Council or Committee reviews decisions made by officers.
- ☐ **Quasi-judicial** When Council determines an application/matter that directly affects a person's rights and interests. The judicial character arises from the obligation to abide by the principles of natural justice, e.g. resource consent or planning applications or objections, consents or other permits/licences (e.g. under Health Act, Dog Control Act) and other decisions that may be appealable to the Court including the Environment Court.
- ☐ **Not applicable** (Not applicable to Community Boards).

PURPOSE OF REPORT

The report gives the committee an overview of activities within the community facilities area, with specific focus on township maintenance works.

STAFF RECOMMENDATIONS

1. That the Community Facilities report be received.
2. That Councillor and Councillor..... be appointed to the Alps to Ocean Joint Committee.

HEALTH AND SAFETY

Township maintenance works are inherently high risk and involve work outside, with machinery and exposure to multiple hazards.

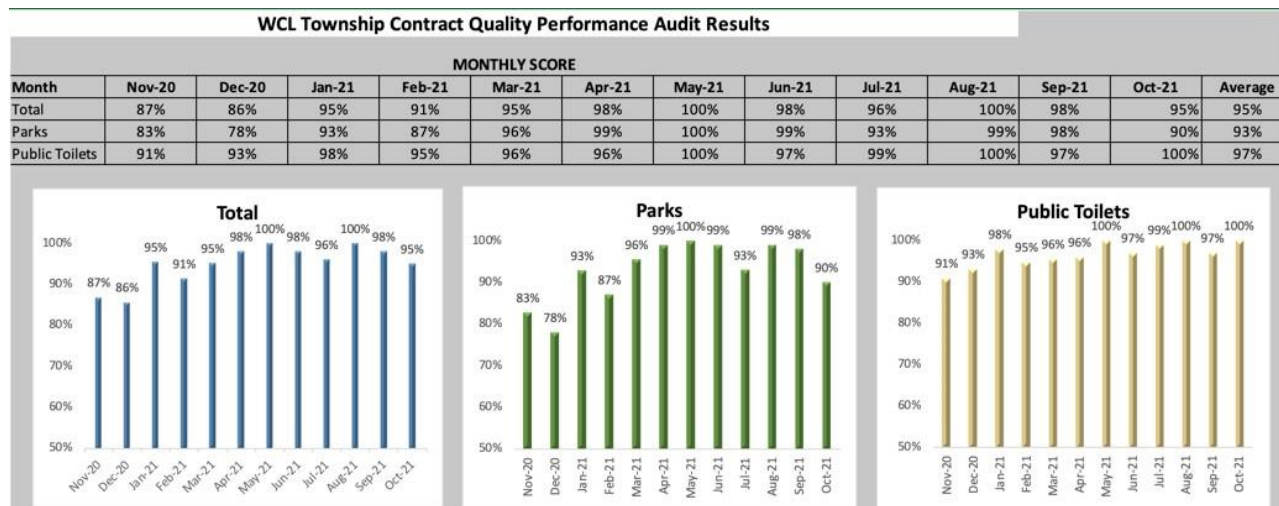
Staff continue to monitor H&S requirements as part of the monthly performance audits plus casual observation of staff and work practices at other times.

No issues with Health and Safety practices have been observed over the last 2 months.

TOWNSHIP MAINTENANCE CONTRACT

The township maintenance contract is operating effectively, with the typical spring challenges of rapid spring grass and garden weed growth. The contractor is managing this reasonably well with only isolated instances of grass height being above specification.

The summary of performance audits and reporting is provided in the chart below.



POOL MANAGEMENT

The operation of the Fairlie pool is now underway, with the new Contractor Belgravia, opening as scheduled at Labour Weekend. They are currently undertaking preseason set up works at Twizel pool which is scheduled to open on November 27th. Belgravia have used local contractors familiar with the pools plant operations to assist with the start up works.

POOL HEATING

We are currently working through the final details of the procurement documentation, and this is expected to be out to market by the date of this meeting.

Following more detailed technical assessment of the Fairlie Pool the Mechanical Engineers recommended that rather than add to the existing small heat with a second heat pump (as originally proposed) that there was only a marginal cost difference to replace this with a single larger pump, due to the ancillary works associated with this option.

It is anticipated that due to the lead time in the supply of the heat until and contractor availability, that the new heating systems won't be operational until March 2022.

TREE MAINTENANCE

There was another significant windstorm in Fairlie in late September, resulting in the loss of several major trees in the cemetery. The removal of the stumps is planned to be completed over the next few weeks.

There was also some damage to the large Douglas Fir trees on the Southern Boundary of Mclean Park, which is yet to be addressed. These trees appear to have been planted to provide shelter for the parks original amenity tree plantings and are now considered to be at the end of their useful life. Due to the cost of the remedial pruning and selected removal work that would be required to keep them in a safe condition, it is recommended that they be removed, with subsequent planting of specimen amenity trees, in keeping with the parks tree collection. This matter will be further reported to the Community Board for their consideration and approval.

Procurement for the maintenance work on the Peace Trees and the start of a programme of Pine and Douglas Fir removal in the cemeteries is planned to commence in the new year.

ALPS 2 OCEAN (A2O)

Staff having been working with Waitaki District Council to appoint a full-time trail manager to oversee the trial and development of marketing plan and partnership agreements. An update on this will be provided at the meeting. The interim trail manager has been effectively transitioning management duties from previous arrangements and will continue until the full-time manager is in place early in 2022.

Two Council representatives are required to be appointed to the new Joint Committee to provide governance of the trail for the partner agencies which are Mackenzie District Council, Waitaki District Council and the Department of Conversation.

LAKE ALEXANDRINA HUTS RESERVES

The previous Community Facilities report suggested staff would instigate follow-up work with the objective of finalising a management arrangement for these reserves. This work has unfortunately been put on hold again due to limited staff resources and other priorities.

TWIZEL YOUTH CENTRE

The future of this building is still under consideration following completion of community consultation.

TWIZEL EVENTS CENTRE

Preliminary planning is underway to finalise and undertake the rectification and improvement works of the Twizel Events Centre. A further update will be provided at the meeting.

MBIE TIF PROJECTS

The following four projects have received MBIE TIF funding and work is underway on the implementation of the projects with the following target completion dates

1. Fairlie Public Toilet – June 2022
2. Pukaki Lookout Public Toilet – June 2022
3. Fairlie Dump Station – June 2022
4. Ruataniwha Reserve (lagoon area toilet, carpark and landscaping)– December 2022

Invitation for proposals for the toilet projects have now been advertised and closes later this month with required completion of June 2022.

The preparation of the Lake Ruataniwha Reserve Management Plan is now also underway.

The preferred location for the Fairlie Dump Station is the Golf Club Carpark. This will require agreement for a Licence to Occupy with the Club and this is being work through.

An external project manager has been engaged to assist with the successful delivery of this project and the latest project report status is detailed below:

Public Toilets

Completed

- Procurement Plan approved
- RFP published on GETS 4/11/21

- Respondent briefing held with potential respondents included Permaloo, Exceloo, and two canterbury architectural practices
- Meridian kept informed of proposed developments at Pukaki
- Resource consent applications being prepared

Next period

- Continue to progress consent applications including affected party approvals
- Start discussions with landowner in Fairlie for easement for sewer connection
- Respond to RFP Q & A as they arise
- Confirm dates for RFP respondents to discuss initial ideas

Fairlie Dump Station

Completed

- Golf Club identified as preferred location by Community Board

Next period

- Select exact site with golf club and confirm occupation agreement (possibly on Rd Reserve)
- Confirm design and services requirements
- Draw up design for approval by golf club
- Apply to NZMCA for dump station hardware

CAPITAL DEVELOPMENT PROJECTS

A number of projects are also underway within the Open Spaces area. A brief update on some key projects is listed below:

1. Maukatua Reserve (D'Archiac Dr) Tekapo

The contract for the development of this park has been awarded to Whitestone Contracting Limited. Work will commence from late November with completion of planting in March 2022.

2. Man Made Hill Twizel

Planting of a small trail area is being undertaken this November as a trial for more extensive planting with the objective of using low flammability native plants.

3. Ohau Rd Reserve Twizel

Preparation of a draft design plan is scheduled to get underway in November, followed by consultation in early 2022.


STRATEGY

The draft Parks and Community Facilities Strategy has been approved by Council for public consultation which will be underway from the 15th of November through to the 17th of December. It is planned to have the Strategy ready for consideration of any changes and adoption by Council in early 2022.

CONCLUSION

Staff continue to be heavily engaged ensuring operational and customer service requirements are effectively managed while also overseeing the delivery of capital projects and other planned maintenance and improvement projects.

5.4 3 WATERS AND FOOTPATH PROJECT UPDATE

Author: Amy Westland, Administration Support - Operations
Authoriser: David Adamson, General Manager Operations - Acting
Attachments: 1. Beca 3 Waters and Footpath Update Report [↓](#) 

STAFF RECOMMENDATIONS

That the information in the Beca 3 Waters and Footpath Upgrade Report be noted.

BACKGROUND

In August 2020 Council resolved to procure a project manager from Beca Limited (Beca) to support the delivery of the approximately \$10m Council funded Water and Footpath Projects (funded through the 2020/21 Annual Plan).

The total project budget has increased due to scope changes with the Fairlie Water treatment plant, as reported through Council. The increased funds required are identified in the draft 2021/31 Long Term Plan.

Part of this commission was the provision of monthly reports on project progress. Beca's Monthly Project Report for July 2021 is attached.

Progress of the works are outlined within the attached reports. Beca Project Manager, Mr Peter Dawson will be present at the meeting to answer any questions on the attached report.

CONCLUSION

Beca's Monthly Project report is attached for information.

Mackenzie District Council Capital Works Programme 2020 – 2021

Report prepared by: Pete Dawson

7

Number of live projects

\$15.4M

Total capex projected

\$15.2M

Total capex approved

Completed

In Progress

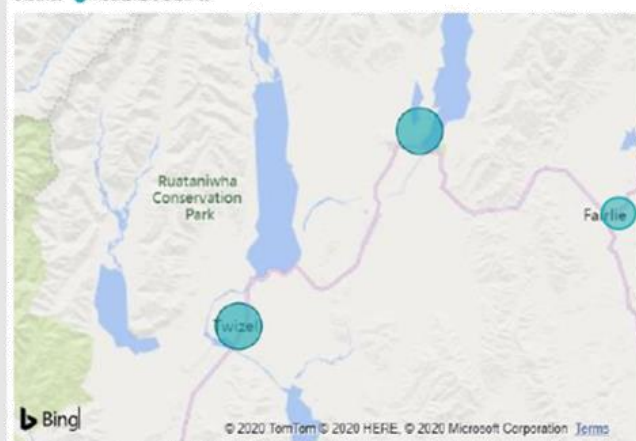
Not Started

Not Applicable

Project Title	Capital Plan Submission	Project Initiation	Concept Design	Detailed Design	Tender	Construction + Handover
Water Main Renewals - Twizel Package 1 (sub mains)						
Fairlie Water Treatment Plant and Reservoirs						
Water Main Renewals - Twizel Package 2 (more complex mains)						
Water Main Renewals - Twizel Package 3 (Ring mains)						
Water Main Renewals - Fairlie						
Water Main Renewals - Tekapo						
Shared Use Path						

Project Count by Country

District ● Mackenzie District



Project Title	Cost	Issues	Resources	Risk and Issues	Schedule	Scope	Stakeholder and Communications
Water Main Renewals - Twizel Package 1 (sub mains)	○	○	○	○	○	○	○
Fairlie Water Treatment Plant and Reservoirs	●	○	●	●	●	●	●
Water Main Renewals - Twizel Package 2 (more complex mains)	●	○	●	○	○	○	○
Water Main Renewals - Twizel Package 3 (Ring mains)	○	○	○	○	○	○	○
Water Main Renewals - Fairlie	○	○	●	○	○	○	○
Water Main Renewals - Tekapo	○	○	●	○	○	○	○
Shared Use Path	○	○	●	○	○	○	○



Project Summary

Month shown: November 2021

Current Project

Fairlie Water Treatment Plant and
Reservoirs

Current Phase

Detailed
Design

Project URL

Expected Capital Cost

\$7,230,000

Project Status

Progress in the last month

Detailed design scope provided to [Beca](#) to complete a proposal to undertake design
Landowner accepted the Council evaluation of land to purchase

Planned progress

Detailed design (including consenting) proposal provided, reviewed, approved and started
Procurement approach and plan finalised
Land procured
Undergrounding of the overhead cabling

Actions and decisions

Review and acceptance of the detailed design proposal once received

Stakeholder relationships

Iwi to be engaged as part of consenting and reviewed prelim design

Programme Commentary

A couple of months behind due to approval of exemption to procure detailed design services

Project Conditions

Risk and Issues

Low

Moderate

High

Contractor Availability
Membrane availability (long lead item)
Material cost/availability

Scope

No Scope Change

10% Deviation

More than 10% Deviation

Schedule

On Track

10% Deviation

More than 10% Deviation

Some delays getting approval to engage detailed design

Cost

On Budget

10% Deviation

More than 10%

Spend to date of \$202k on concept and prelim design as well as private property consultation
Final Prelim Design has a \$7.23m estimate

Resources

Fully resourced

Partially resourced

Significantly under resourced

Stakeholder and Communications

On track

Partially on track

Off track

All stakeholders communicated, further communication to be undertaken during detailed design

Project Summary

Month shown: November 2021

Current Project

Water Main Renewals - Twizel
Package 1 (sub mains)

Current Phase

Construction

Project URL

Expected Capital
Cost

\$2,500,000

Project Status

Progress in the last month ⓘ

Construction almost complete for this package of work

Planned progress ⓘ

Completion of construction in November

Actions and decisions ⓘ

N/A

Stakeholder relationships ⓘ

Being managed by the contractor sufficiently

Programme Commentary ⓘ

Approximately a month delay due to unable to construct during COVID Alert Level 4

Project Conditions

Risk and Issues ⓘ

● Low

● Moderate

● High

Scope ⓘ

● No Scope Change

● 10% Deviation

● More than 10% Deviation

Schedule ⓘ

● On Track

● 10% Deviation

● More than 10% Deviation

Approximately a month delay due to unable to construct during COVID Alert Level 4

Cost ⓘ

● On Budget

● 10% Deviation

● More than 10%

\$1.6m capital payed to date, forecast cost of \$2.3m

Likely to be under the budget as Council contingency unlikely to be used

Resources ⓘ

● Fully resourced

● Partially resourced

● Significantly under resourced

Stakeholder and Communications ⓘ

● On track

● Partially on track

● Off track

Project Summary

Month shown: November 2021

Current Project

Water Main Renewals - Twizel
Package 2 (more complex mains)

Current Phase

Construction

Project URL

Expected Capital
Cost

\$1,300,000

Project Status

Progress in the last month

Construction over half way completed

Planned progress

Completion of Market Place
Start construction of Wairepo Road

Actions and decisions

Stakeholder relationships

Being undertaken by the Contractor, nothing to report.

Programme Commentary

Approximately a month delay due to unable to construct during COVID Alert Level 4

Project Conditions

Risk and Issues

Low

Moderate

High

Work within private property agreed however not finalized

Scope

No Scope Change

10% Deviation

More than 10% Deviation

Some additional connections added to the scope and changes in orientation for work within private property

Schedule

On Track

10% Deviation

More than 10% Deviation

Approximately a month delay due to unable to construct during COVID Alert Level 4

Cost

On Budget

10% Deviation

More than 10%

\$0.6m capital payed to date, forecast cost of \$1.17m

Some additional cost for delays from COVID, additional connections and changes in orientation for work within private property, forecast likely to increase.

Resources

Fully resourced

Partially resourced

Significantly under resourced

Stakeholder and Communications

On track

Partially on track

Off track

Project Summary

Month shown: November 2021

Current Project

Water Main Renewals - Tekapo

Current Phase

Construction

Expected Capital
Cost

\$450,000

Project URL

Project Status

Progress in the last month

Contract awarded to Paul Smith Earthmoving Ltd.
Kick off meeting held with Contractor, the Engineer and the MDC Engineering Team

Planned progress

Confirmation of programme and start of construction (likely January)

Actions and decisions

Programme to be finalized to incorporate material delays, impacts working within the State Highway and work around the Christmas holiday period.

Stakeholder relationships

Programme Commentary

A couple of months delay due to unable to procure pipe materials as a result of supplies issues due to COVID

Project Conditions

Risk and Issues

Low

Moderate

High

Material supplies due to COVID

Pipe across the SH planned to be constructed before NZTAs re sealing, programme being discussed with NZTA however delays to programme may cause an issue. Directionally drilling may be required to minimise the risk

Scope

No Scope Change

10% Deviation

More than 10% Deviation

Schedule

On Track

10% Deviation

More than 10% Deviation

A couple of months delay due to unable to procure pipe materials as a result of supplies issues due to COVID

Cost

On Budget

10% Deviation

More than 10%

Currently on budget, however construction has not started due to material supply delays.

Resources

Fully resourced

Partially resourced

Significantly under resourced

Stakeholder and Communications

On track

Partially on track

Off track

Project Summary Month shown: November 2021

Current Project Water Main Renewals - Fairlie	Current Phase Tender	Expected Capital Cost \$2,050,000
	Project URL	

Project Status

Progress in the last month

Detailed design finalized, reviewed by MDC Engineering Team and tender documents completed.

Planned progress

Financial check to confirm Fairlie within the \$7m budget
Completion of the RFT and upload to GETS

Actions and decisions

Review of RFT and confirmation to proceed based on available budget

Stakeholder relationships

NZTA confirmed depth of mains and accepted the design for the pipe across the bridge.

Programme Commentary

A couple of months behind completing the design for the pipe across the bridge and getting NZTA approval.
Aim to appoint contractor in January and construction completion before the end of June

Project Conditions

Risk and Issues

Low

Moderate

High

Contractor and material availability

Scope

No Scope Change

10% Deviation

More than 10% Deviation

Inclusion of the pipe across the bridge to increase fire flows.

Schedule

On Track

10% Deviation

More than 10% Deviation

Delays due to getting pipe bridge approved by NZTA

Cost

On Budget

10% Deviation

More than 10%

Cost estimate of \$2,050,000, increase in cost due to requirement for deep pipes through NZTA land, pipe across the bridge and cost of TMP working within a State Highway.

Resources

Fully resourced

Partially resourced

Significantly under resourced

Stakeholder and Communications

On track

Partially on track

Off track

Project Summary Month shown: November 2021

Current Project

Water Main Renewals - Twizel Package 3 (Ring mains)

Current Phase

Detailed Design

Project URL

Expected Capital Cost

\$2,000,000

Project Status

Progress in the last month

No progress as this is the last priority project and is unlikely to be within the budget to complete

Planned progress

Actions and decisions

Stakeholder relationships

Programme Commentary

Project Conditions

Risk and Issues

Low

Moderate

High

Scope

No Scope Change

10% Deviation

More than 10% Deviation

Schedule

On Track

10% Deviation

More than 10% Deviation

Cost

On Budget

10% Deviation

More than 10%

Resources

Fully resourced

Partially resourced

Significantly under resourced

Stakeholder and Communications

On track

Partially on track

Off track



Project Summary

Month shown: November 2021

Current Project
Shared Use PathCurrent Phase
ConstructionExpected Capital
Cost

\$1,156,000

Project URL

Project Status

Progress in the last month ⓘ

Final completion certification complete for direct appoint contracts, all work completed
Practical Completion issued for the main Downer contract.

Planned progress ⓘ

Final payment claim for the main contract

Actions and decisions ⓘ

Final payment claim for the main contract

Stakeholder relationships ⓘ

Programme Commentary ⓘ

All physical works completed

Project Conditions

Risk and Issues ⓘ

● Low

● Moderate

● High

Scope ⓘ

● No Scope Change

● 10% Deviation

● More than 10% Deviation

Schedule ⓘ

● On Track

● 10% Deviation

● More than 10% Deviation

Cost ⓘ

● On Budget

● 10% Deviation

● More than 10%

\$1.11m capital paid to date, forecast cost of \$1.156m

Additional work undertaken in the main contract above the budget, awaiting final payment claim to confirm final budget and overspend.

Resources ⓘ

● Fully resourced

● Partially resourced

● Significantly under resourced

Stakeholder and Communications ⓘ

● On track

● Partially on track





● Off track

5.5 3W STIMULUS GRANT PROGRAMME UPDATE

Author: Mike Davies, Program Manager - 3 Waters

Authoriser: David Adamson, General Manager Operations - Acting

Attachments:

1. 3 Waters Reform - September 2021 Final [↓](#) 
2. 3W Reform - PO's at 8 Nov 2021 [↓](#) 
3. 3W Reform Programme r7 031121 [↓](#) 
4. 3W Stimulus Projects - Status 021121 [↓](#) 

STAFF RECOMMENDATIONS

That the information be noted.

BACKGROUND

The purpose of this report is to update Councillors regarding progress on the \$5.1m 3W Stimulus Grant provided by the Crown. Some additional information is contained within the powerpoint briefing provided to councillors 21 September 2021.

CONCLUSION

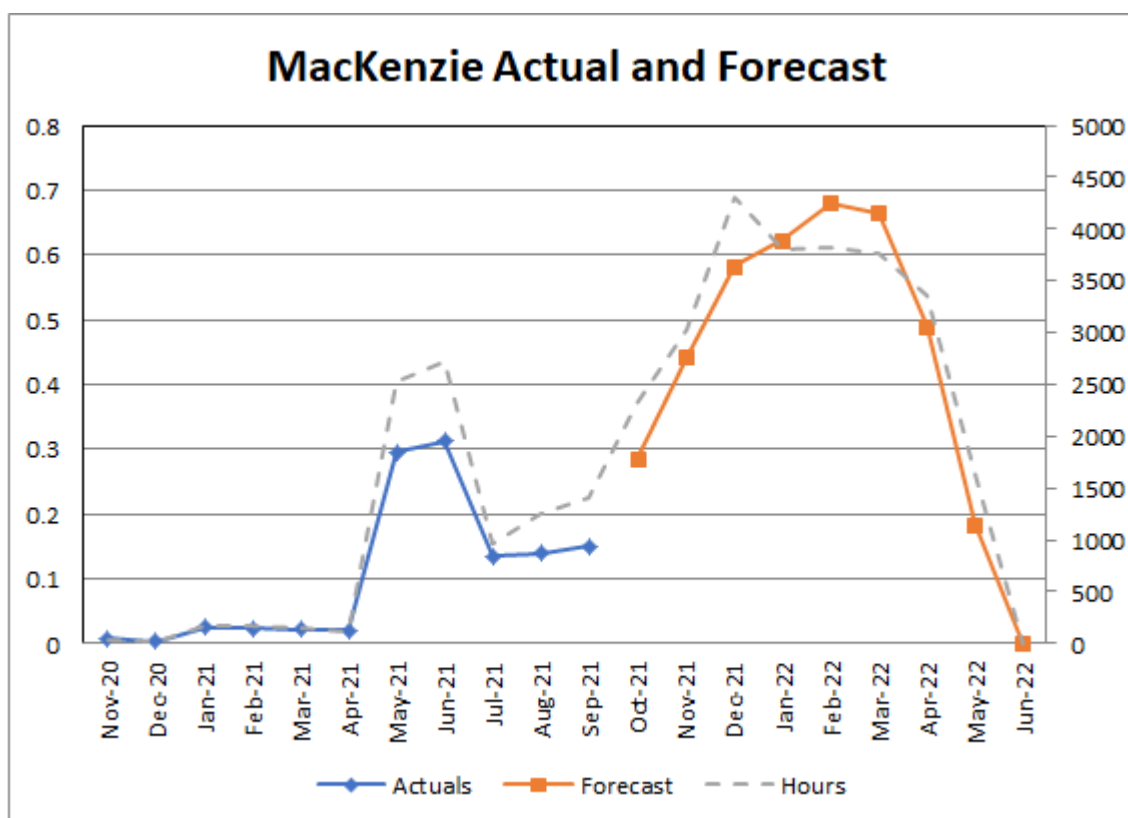
The recent time extension to June 2022 (from March 2022) provided by the Crown has alleviated some of the pressure, however some supply-chain issues do remain.

OVERVIEW

- Crown grant of \$5.111m, which enables MDC to undertake many exciting projects it could not otherwise address
- There are 32 Projects that enable 3W planning and will improve outcomes for the community
- These projects have been reassembled into 20 packages. Many are about future planning, however there are several projects with consequential physical works, totalling around \$3.7m in value. These include Desludging (\$1m), Twizel WW Rising Main (\$900k), Twizel Water Meters Pilot (\$350k), WS Pipe Renewals (\$550k), Sustainable Water Demand Projects (\$240k), WWTP Monitoring equipment (\$210k), CCTV Pipe Inspections (\$180k), Burkes Pass WWTP Upgrade (\$100k).
- The Crown has recently extended the deadline from March 2022 to June 2022, in part due to the NZ Covid shut-down, but also in recognition of the NZ/Global supply-chain issues and the consequence of the stimulus fund itself, stretching consulting and contracting resources. This extension has reduced the likelihood of 'Plan B' being required – plan B being to cancel projects not likely to complete in time, and increase the planned expenditure on WS Renewals, which is identical in scope to MDC's own stimulus project.
- There is ongoing liaison (as required) with AEC, ECAN, Arawhenua, NZTA, landowners (easements) and community (remote drinking water supplies). There have also been webinars and announcements on the website and in local media.

FINANCIAL

- Up to the end of September 2021, expenditure to date was approximately \$1.1m (22%), however little had been spent on physical works at that point. Refer attached spreadsheet '3 Waters Reform – September 2021 final'.
- Committed costs are currently about \$3.0m (58%), with tenders about to be let for another \$1.2m. We also expect to place orders for water meters supply this month (approximately \$500k). A summary of PO's opened to date is attached as '3W Reform – PO's at 8 Nov 2021'
- The programme still requires expenditure in excess of \$400k/month to complete by June 2022, though the physical works projects will assist in achieving this cashflow – the Desludging and Rising Main themselves account for around \$2m or 40% of total spend. Refer chart below for actual to end September 2021 and current aggregated forecast cashflow.
- Individual package forecasts are being monitored and adjusted so that the overall spend can be kept within the overall stimulus budget.



PROGRAMME

- A programme showing the individual logic and status of each package is updated at least fortnightly. The time extension has eased the risk somewhat, however consultant capacity and supply chain issues do mean that this is an ongoing risk. Refer attached programme '3W Reform Programme r7 031121' for detail.

INDIVIDUAL PACKAGE SUMMARY STATUS

(numbers refer to original project numbers assigned for DIA reporting)

Scopes for individual projects/packages have been refined to suit conditions. Some minor changes to forecasts have been made. A Project Substitution Request (PSR) has been submitted to DIA or the replacement of projects 28 & 29 (Albury Rural and Allandale WS scheme protozoa compliance) with more comprehensive Water Safety Plans (almost the same scope, but more solution based, and expanded to all water supply schemes).

Further detail can be found on the attached spreadsheet '3W Stimulus Projects – Status 021121'.

#1 WS Renewals - complete and in the ground.

#2/4/5/30 Misc Fairlie pipework projects - scoped/briefed, not awarded yet. We will proceed with scope and design related to Project #4 but the other 3 can be sourced at short notice and we need to see where forecasts are heading overall. Effectively they are on hold, and if necessary, MDC will add these projects to their LTP programme as individual values are relatively low.

#3 Tekapo WWTP future planning/study (GHD) - Design Basis Memo Complete and Long-List Options prepared. Site tour with Runanga undertaken in October. Now working on short list and key site investigations.

#6-7 Twizel Rising Main (\$1m) - design complete (Baseline) and tender closed 2 November – evaluation underway. A key cost to establish for overall budget reconciliation. Direct purchase of PE pipe by MDC to enable a prompt start. Fibreglass wet-well procurement is likely to be an issue, however.

#8 Tekapo WW PS upgrade – complete.

#9 Misc discussions with iwi re wetlands/planting at WWTP's (study) - site tour with iwi held 20 October, with a good response.

#10-11 Stock Truck & Septage disposal (study) - Stock Truck Study now cancelled (will be NZTA led), and funds diverted to Water Safety Plans. Septage disposal study well advanced. Needs to be reconciled with Influent Screening.

#12-13 BP WWTP upgrades - Design complete (Beca) with small physical works to follow - several packages about to go to tender.

#14 CCTV Pipeline Inspection scoping complete (Beca) and out to tender - closes 9 November.

#15-16 Sewer and Water hydraulic modelling (study) – tender closed end October, about to award.

#17-18 WWTP monitoring equipment (design-build) - concept report complete, tender package u/way.

#19-20 Desludging (\$1m) - awarded. Civil works (containment ponds) now completed (Twizel), with desludging to start 8 November. Still targeting end March 2022 completion.

#21 WWTP Influent screens (study) - design complete (Beca). No budget for installation but cost estimates will go into LTP.

#22+26 (then 27) Remote Water Supplies (sources and treatment/reticulation) - research and Ratepayer Surveys completed (Aqualinc), though poor response. Report by Christmas. Exemplar projects (#27) to follow, can be tailored to meet timeline and budget. Likely that physical works value will be reduced in scope due insufficient time.

#23-24 Water Meter Trial Twizel – extensive research into both capex, opex and proof of concept trials have established (via a Multi-Criteria Analysis) a clear preferred path forward, along with

indicative costs for both the Twizel pilot scheme, and the district overall. A Summary report and recommendation for the mayor/CE to approve is being prepared, prior to placing an order.

#25 Sustainable Water Demand – WCC are currently completing their report, which will cover off water demand, water availability, and make recommendations for exemplar projects to demonstrate the effectiveness of the proposed solutions. Some funds will likely go towards water meters as this is one of the most effective solutions to realize sustainable water demand.

#28-29 Albury Rural and Allandale Water Supply Compliance - being supplanted by 6 x Water Safety Plans - scope change by PSR. WSP are undertaking, with a comprehensive site visit and risk workshop programme commencing 15 November

#31 Twizel WWTP groundwater monitoring sites - complete, just need close out report

#32 and #33 are 3W Reform projects - Prep by MDC, and Programme PM. Both underway.

Mackenzie District Council
Three Waters Reform Projects Cost Centre
For Period September 2021

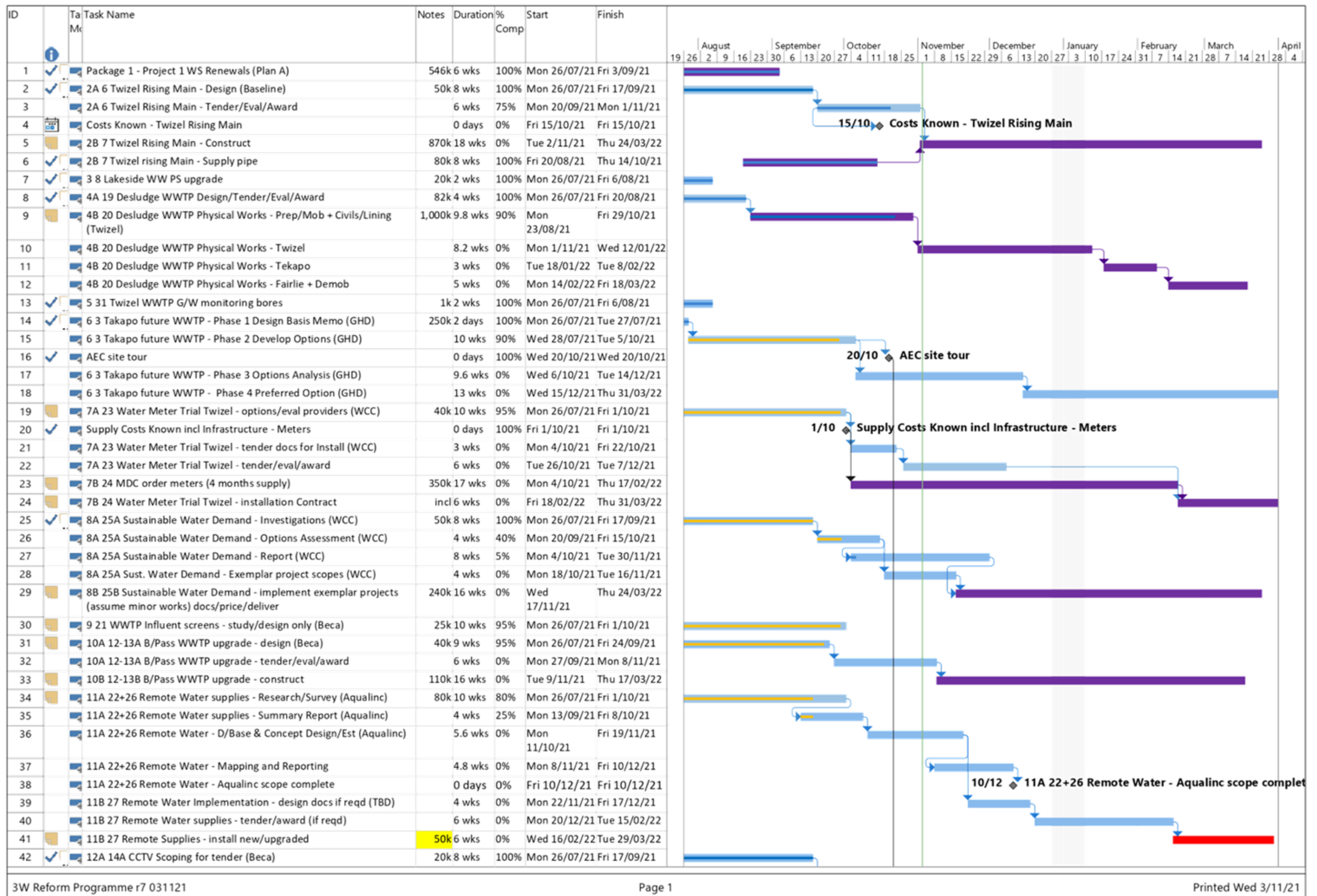
Account	2020/21 YTD Actuals	20% Budget Allocation	Variance	2020/21 Provisional Actuals	2020/21 Unvoted Actuals	2020/21 January Actuals	2020/21 February Actuals	2020/21 March Actuals	2020/21 April Actuals	2020/21 May Actuals	2020/21 June Actuals	2020/21 July Actuals	2020/21 August Actuals	2020/21 September Actuals	Actual Sept
Income															
611120 Government Grant	(2,580,000)	0	2,580,000	(2,580,000)	0	0	0	0	0	0	0	0	0	0	
Total Income	(2,580,000)	0	2,580,000	(2,580,000)	0	0	0	0	0	0	0	0	0	0	
Expenditure															
Sewer															
611210 Consultancy	0	0	0	0	0	0	0	1,425	25,300	(26,725)	0	0	0	0	
6112003 Future Planning for Fehaga WWTTP - Study	80,910	150,000	69,090	0	0	0	0	0	0	0	2,712	2,740	27,325	29,037	29,693
6112003 Fe - Viability Planning - Fehaga	0	7,500	7,500	0	0	0	0	0	0	0	0	0	0	0	
6112003 Remedial of Winding Pipes - Fehaga	0	7,500	7,500	0	0	0	0	0	0	0	0	0	0	0	
6112011 Siphon Pump Disposal - Fehaga	3,800	22,500	18,700	0	0	0	0	0	0	0	0	0	0	0	2,940
6112014 CC Flycatcher assessment to WWT	14,200	100,000	85,700	0	0	0	0	0	0	990	330	990	0	11,959	11,959
6112015 Sewer Hydraulic modelling	900	100,000	99,100	0	0	0	0	495	0	0	330	0	0	0	165
6112017 WWTTP monitoring equip. all sites - study	10,000	12,500	2,500	0	0	0	0	0	0	165	0	330	0	0	9,572
6112018 Stock Fresh Effluent Station - Fehaga	0	10,000	10,000	0	0	0	0	0	0	0	0	0	0	0	
6112019 Desludging Ponds - 3 Seasonal prep	30,700	15,000	15,700	0	0	0	0	0	0	7,020	2,620	1,740	2,620	0	39,364
6112020 Desludging Ponds - 3 sites - continued	220	420,000	419,780	0	0	0	0	0	0	0	0	0	0	0	
6112023 Fehaga WWTTP Groundwater monitoring	900	7,500	6,600	0	0	0	0	300	0	0	0	0	0	0	
6112023 Stimulus Package - Programme Delivery	147,025	104,500	42,525	9,000	0	9,241	13,330	10,000	0	31,330	28,202	30,900	4,792	13,922	24,116
Total Sewer Expenditure	320,472	962,000	641,528	9,000	0	9,241	13,330	10,000	0	31,330	28,202	30,900	4,792	13,922	
Water															
612010 Potable Water hydraulic modelling	100	25,000	24,900	0	0	0	0	100	0	0	0	0	0	0	
612022 Water Supply Scheme Database	20,010	22,500	2,490	0	0	0	0	570	930	0	2,000	1,230	9,192	19,909	15,508
612023 Water Meters - Inst. - scope 1-1	30,000	12,500	17,500	0	0	0	100	800	0	330	7,112	8,500	2,100	9,900	9,643
612025 Potable Water Demand Study & Exemplar projects	30,000	145,000	115,000	0	0	0	0	0	0	1,400	4,007	9,530	8,174	9,820	8,820
612026 Potable Water Supply remote properties - study	7,170	22,500	15,330	0	0	0	0	5,100	0	1,070	740	0	0	0	165
612028 Allotey WTS Scheme Compliance - study	400	15,000	14,600	0	0	0	0	0	0	330	0	0	0	0	165
612029 Allotey WTS Compliance - study	100	15,000	14,900	0	0	0	0	0	0	165	0	0	0	0	
612032 Preparation for Platform implementation for MOC	30,000	25,000	5,000	2,700	2,700	10,170	9,300	0	0	0	0	1,200	0	5,300	12,349
Total Water Expenditure	140,402	282,500	142,098	2,700	2,700	10,170	9,300	4,400	930	1,270	4,230	2,230	22,894	28,499	
Stormwater															
6130000 Stormwater discharges to Fehaga	0	7,500	7,500	0	0	0	0	0	0	0	0	0	0	0	
Total Stormwater Expenditure	0	7,500	7,500	0	0	0	0	0	0	0	0	0	0	0	
Total Expenditure	460,974	1,252,000	791,026	7,700	2,700	10,170	9,300	4,400	930	1,270	4,230	2,230	22,894	28,499	
Asset															
Sewer															
61144 Upgrade foul sewer - Fehaga Golf Course	0	17,500	17,500	0	0	0	0	0	0	0	0	0	0	0	
611448 Rangitikei Mahurangi Park for Fehaga WWTTP - Design	50,000	17,500	32,500	0	0	0	0	2,220	3,900	880	13,487	10,210	9,900	11,900	11,503
611447 Rangitikei Mahurangi Park for Fehaga WWTTP - Construct	17,200	400,000	382,800	0	0	0	0	0	0	0	0	0	0	0	3,921
611449 Lakehead WWT pump station - Design/Construct	1,400	25,000	23,600	0	0	0	0	330	1,070	0	0	0	0	0	
6114492 Clear Fehaga ponds - Feh. 1-1	0	7,500	7,500	0	0	0	0	0	0	0	0	0	0	0	
611452 Bourkes Place WWTTP upgrade - install outlet flowmeter	30,000	15,000	15,000	0	0	0	0	300	1,900	1,230	330	570	14,525	1,320	1,320
611453 Bourkes Place WWTTP upgrade - install	0	25,000	25,000	0	0	0	0	0	0	0	0	0	0	0	
611453 WWTTP monitoring equip. - design & install	0	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	
611461 WWTTP Influent Screen Design - 3 Sites	13,070	12,500	570	0	0	0	0	800	0	990	320	1,400	9,214	570	
611470 Covered Allotey Rd WWT for Fehaga WWT Network	0	22,500	22,500	0	0	0	0	0	0	0	0	0	0	0	
Total Sewer Capital Expenditure	110,270	792,500	682,230	0	0	0	0	330	4,190	5,940	2,870	1,400	26,407	30,190	1,320
Water															
612441 Water Supply Scheme Remains	540,330	27,500	512,830	0	0	0	330	0	0	27,230	27,200	0	0	0	
612442 Water Meters - Inst. - Full Install	0	17,500	17,500	0	0	0	0	0	0	0	0	0	0	0	
612447 Potable Water Supply remote properties - install	0	37,500	37,500	0	0	0	0	0	0	0	0	0	0	0	
Total Water Capital Expenditure	540,330	82,500	457,830	0	0	0	330	0	0	27,230	27,200	0	0	0	
Stormwater															
613442 Stormwater Asset Control - Standing	0	12,500	12,500	0	0	0	0	0	0	0	0	0	0	0	
613443 Stormwater S4 500 Inlet	330	17,500	17,170	0	0	0	0	0	0	330	0	0	0	0	
Total Stormwater Capital Expenditure	330	30,000	29,670	0	0	0	0	0	0	330	0	0	0	0	
Total Capital Expenditure	650,660	1,105,000	485,700	0	0	0	660	4,190	5,940	27,560	27,500	0	0	0	

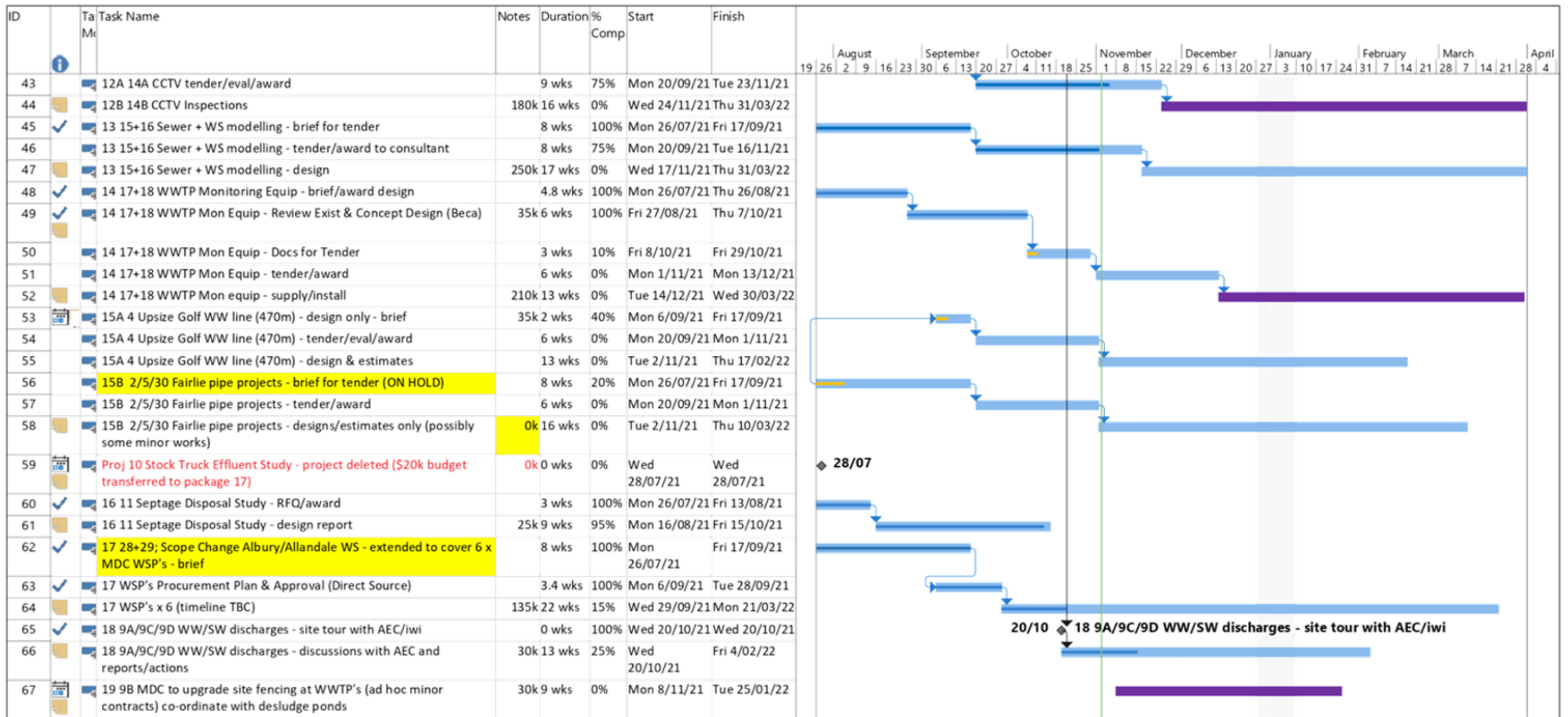
TOTAL EXPENDITURE TO DATE
(Capex and Opex)

1,127,971

Order	Status	Supplier	Supplier Name	Initiator	Raised	Authoriser	Approved	Value	Detail
102263	Committed	25639	WSP New Zealand Limited	mdavies	6/10/2021	timharty	14/10/2021	135,000.00	4123628 Water Safety Plans x 6 timharty
102256	Committed	41642	Tiaki Environmental Ltd	mdavies	6/10/2021	mdavies	2/11/2021	2,100.00	Project #11 Septage Testing mdavies Proj
102251	New	20405	The Property Group Limited	mdavies	5/10/2021				
101940	Committed	30000	SouthWater Limited	mdavies	26/08/2021	angelao	28/09/2021	995,000.00	1 WWTP Desludging Contract angelao W
101939	Committed	41546	Baseline Group CLS Limited	mdavies	26/08/2021	mdavies	6/10/2021	20,000.00	Project #6 Twizel WW Rising Main - Design
101938	Committed	20705	Beca Carter Hollings & Fildes	mdavies	26/08/2021	mdavies	26/08/2021	40,000.00	WWTP monitoring equipment mdavies WWTP
101928	Committed	41642	Tiaki Environmental Ltd	mdavies	20/08/2021	mdavies	20/08/2021	21,000.00	Project #11 Septage disposal mdavies Proj
101926	Committed	41641	Hynds Pipe Systems Limited	mdavies	20/08/2021	mdavies	20/08/2021	78,290.00	1 Twizel Rising Main project #7 mdavies
101898	Committed	20705	Beca Carter Hollings & Fildes	mdavies	17/08/2021	mdavies	27/09/2021	20,000.00	1 WWTP Desludging Resource Consent Fai
101825	Committed	40908	Aoraki Environmental Co Limited	mdavies	12/08/2021	mdavies	31/08/2021	10,000.00	Projects 22-26 remote water sources and:
101674	Committed	40908	Aoraki Environmental Co Limited	mdavies	28/07/2021	mdavies	31/08/2021	15,000.00	Project #3 Tekapo WWTP Future Planning
101652	Committed	40908	Aoraki Environmental Co Limited	mdavies	26/07/2021	mdavies	29/07/2021	15,000.00	AEC support for Project #25 Sustainable Wate
101637	Committed	41626	Aqualinc Research Limited	mdavies	26/07/2021	mdavies	26/07/2021	79,880.00	Remote Water Supply 41162 mdavies
101540	Committed	20405	The Property Group Limited	mdavies	15/07/2021	mdavies	15/07/2021	35,000.00	411-446 property issues related to 3W Ref
101373	Committed	41546	Baseline Group CLS Limited	mdavies	1/07/2021	mdavies	1/07/2021	17,000.00	Project #6 Twizel rising main - tender docs
101371	Finalised	41546	Baseline Group CLS Limited	mdavies	1/07/2021			100,036.96	Project #6 Twizel WW Rising Main - Design
101352	Committed	20705	Beca Carter Hollings & Fildes	mdavies	30/06/2021	mdavies	30/06/2021	30,000.00	Projects 12-13 Burkes Pass WWTP complia
101351	Committed	20705	Beca Carter Hollings & Fildes	mdavies	30/06/2021	mdavies	6/09/2021	20,000.00	Project #14a CCTV scoping mdavies Proje
101242	Committed	41588	Water Cycle Consulting Limited	mdavies	16/06/2021	mdavies	17/06/2021	49,100.00	Project #25 Water Demand Study mdavies
101240	Committed	41588	Water Cycle Consulting Limited	mdavies	16/06/2021	mdavies	6/09/2021	31,002.61	Project #23 Water Meter Design Twizel n
101238	Committed	40179	GHD Limited	mdavies	16/06/2021	timharty	27/08/2021	225,000.00	Project #3 Tekapo WWTP Future Planning
101237	Cancelled			mdavies	16/06/2021				
101235	Committed	20705	Beca Carter Hollings & Fildes	mdavies	16/06/2021	mdavies	16/06/2021	32,500.00	Project #21 WWTP Influent Screens perf d
101161	Finalised	41546	Baseline Group CLS Limited	mdavies	9/06/2021	mdavies	9/06/2021	2,200.00	Project #6 Twizel Rising Main - easement s
100656	Committed	20705	Beca Carter Hollings & Fildes	mdavies	19/04/2021	mdavies	19/04/2021	22,500.00	Project #20 De-sludge contract monitoring
100654	Committed	20705	Beca Carter Hollings & Fildes	mdavies	19/04/2021	mdavies	31/08/2021	52,000.00	Project #19 Desludge design + tender docs
100413	Finalised	20405	The Property Group Limited	mdavies	30/03/2021	mdavies	13/04/2021	2,200.00	Burkes Pass WWTP easement check mda
100388	Finalised	20405	The Property Group Limited	mdavies	26/03/2021	timharty	14/04/2021	4,400.00	Project #6 Twizel Rising Main - easements
100360	Finalised	30000	SouthWater Limited	mdavies	24/03/2021	mdavies	4/05/2021	7,025.60	Sludge Sampling for Organics & Metals - 3
PO's Raised by MD								2,061,235.17	
Journal Transfer for #1 WS Renewals								546,330.00	
PO's raised by TH for Octa, Rationale, AEC (Estimate only)								400,000.00	
Total Commitments								3,007,565.17	

Note some committed sums may not be fully utilised





Mackenzie District Council - 3-Waters Stimulus Packages - Status

2/11/2021

PACKAGE No.	ProjectID	ProjectTitle	Scope / Type	Budget	Forecast	Proc option	Reqd sign-off	Brief (date)	MDC Contract ID	Issued to market	Closing / Closed	Awarded	Target Date Tender Docs or Complete	PO's	Notes	Confidential Notes	Contract
1	1	Water Supply Mains Renewals - scope/design/constn (Pa/Tek/Twi)	Construction - renewals	\$546,000	\$546,000	Piggy back Beca/Rooney	✓	✓	✓	✓	✓	✓ Beca	✓ end March 2022	journaltrf	Utilising Beca package, already signed off by Council. Payment via journal trfr. Scope can be varied to balance overall budget	100% complete, by journal trfr (package 1 - Rooney)	Beca contract (MDC stimulus) utilised as same scope
2A	6	New Rising Main Mackenzie Park to Twizel WWTP - Design	WW hydraulic design for #7	\$35,000	\$50,000	Baseline	✓	✓		✓	✓	✓ Baseline 23/4/2021	✓ Baseline 30/09/2022	101161 BGL 100388 TPG	MDC paying property consultant fee. TPG \$4,400 PO100388 initial scope	BGL \$29,800 Design PO101371 BGL \$22,000 survey PO101161 BGL \$14,750 Tend/Eval PO101373	Design N/R-(Developer) TPG - ACENZ
2B	7A	New Rising Main Mackenzie Park to Twizel WWTP - Pipe Supply	PE pipe pre-order to mitigate supply issues	incl below	\$80,000	3 prices	✓	✓	N/R	✓ 14/7/2021	✓ 28/7/2021	✓ Hynds 20/8/2021	✓ Hynds 27/10/2022	101926 Hynds	Hynds accepted 16 Aug. PO 101926 issued 20 August. ETA 1020m pipe = xxxxxx	Hynds \$573,290 Humes \$88,855 Mico \$80,050	N/R - Supply PO only
2C	7B	New Rising Main Mackenzie Park to Twizel WWTP - Construct	WW Constn [after #6]	\$990,000	\$870,000	Now closed tender (WS renewals panel) GETS	Council > \$350k	N/A	1290	✓ 5/10/2022	✓ 2/11/2023		end March 2022		Monitoring fees and easement acquisition fees to come from this budget. Shortlist: Ashburton Contr, Utilities Infra, Paul Smith, Rooney, Whitestone, Grant Hood		
3	8	Lakeside wastewater pump station, Takepo/Tekapo - upgrade	WW design	\$50,000	\$20,000	Davis-Olgrive	✓	✓	N/R	✓	✓	✓ DO	✓ end Jun 2021	N/R	Developer (LandCo) has paid for design AND will install pumps. MDC to make financial contribution to chamber alterations.		N/R (Developer)
4A	19	Desludge Ponds - 3 sites - design incl tender prep	Study and Contract preparation	\$30,000	\$82,000	Beca	✓ BUM < \$80k	✓		✓	✓	✓ Beca 17/3/2021	✓ end Jun 2022	100654 Beca 100360 S/W	Design ready by end June for project #20. Review of first constn tender draft (front end) done 8 June	\$40k design, \$14k consent, \$8k testing, \$20k monitoring	Beca ACENZ
4B	20	Desludge Ponds - 3 sites - contract	Desludge 3 ponds Takepo / Tekapo, Twizel and Fairlie	\$850,000	\$1,000,000	Open tender	✓ Council > \$350k	N/A	1284	✓ 1/7/2021	✓ 2/08/2021	✓ S/Water 20/8/2021	end March 2022	106656 Beca 101940 S/W	\$18,540 committed to Beca for constn monitoring fee. This fee now added to design cost forecast.		
5	31	Twizel WWTP - Groundwater monitoring sites (compliance)	Wastewater compliance testing	\$15,000	\$0	N/R	N/R	N/R	N/R	N/R	N/R	N/R	✓ end Jun 2021	N/R	Resolved using existing ECAN bores and a suite of tests.		N/R
6	3	Future Planning for Tekapo WWTP - Study	WW disposal options / study Optioneering	\$300,000	\$250,000	Closed RFP on GETS	✓ GM < \$350k	✓ 12/05/2021	1274	✓ 20/05/2021	✓ 3/06/2021	✓ GHD 16/6/21	end March 2022	101238 GHD	Closed tender procurement approved council 18 May 2021. Beca/GHD/Jacobs (Jacobs withdrew 3/8/2021)	Beca \$219,183 GHD \$185,000	GHD ACENZ
7A	23	Water Metering Trial - scope Twizel & tender package	Scope & Design for #24	\$25,000	\$40,000	Closed RFQ	✓ BUM < \$80k	✓ 30/04/2021	1275	✓ 21/05/2021	✓ 10/06/2022	✓ WCC 15/6/21	end Oct 2021	101240 WCC	Water Cycle Consulting/Beca/Stantec (Stantec w/drew 10/6)	WCC cost estimate of \$10k now added	WCC ACENZ
7B	24	Water Metering Trial - Twizel [part] install	Physical works - installation	\$350,000	\$350,000	4 Options MCA assessed	GM < \$350k	N/A	1291	Oct-21			end March 2022		Budget includes constn monitoring fee. Scope can be varied to balance overall budget		
8A	25A	Sustainable Water Demand Study (usage reduction)	WS Study	\$25,000	\$50,000	Closed RFQ	✓ BUM < \$80k	✓ 18/05/2021	1276	✓ 21/05/2021	✓ 10/06/2022	✓ WCC 15/6/21	end Nov 2021	101242 WCC	Water Cycle Consulting/Stantec/GHD (GHD w/drew 23/5) (Closing extended from 3 June to 1 June)	WCC \$44,100 Stantec \$49,635	WCC ACENZ
8B	25B	Sustainable Water Demand Exemplar projects	Physical works - installation	\$265,000	\$240,000	Open tender or minor works?	GM < \$350k	N/A		Nov-21			end March 2022		Budget includes constn monitoring fee. Several minor works contracts may be better.		
9	21	WWTP Influent Screens - 3 sites - Design (Performance Spec)	WW Study/Design	\$25,000	\$25,000	Closed RFQ	✓ BUM < \$80k	✓ 05/05/2021	1277	✓ 26/05/2021	✓ 10/06/2022	✓ Beca 15/6/21	end-Sept 2021	101235 Beca	Stantec/Beca/Jacobs (Jacobs withdrew 3/6/2021)	Beca \$24,756 Stantec \$23,150 (with exclusions)	Beca ACENZ
10A	12/13A	Burkes Pass WWTP upgrade - discharge/flowmeter (#12) - PE Baffles (#13)	Burkes Pass WWTP Compliance - Design	\$30,000	\$40,000	Closed RFQ	✓ BUM < \$80k	✓ 12/05/2021	1279	✓ 3/06/2021	✓ 24/06/2021	✓ Beca 29/6/21	end Sept 2021	100413 TPG 101351 Beca	Beca/GHD/Stantec (Stantec withdrew 16/6/21)	GHD \$38,800 Beca \$25,497	TPG - as project #6 Beca ACENZ
10B	12/13B	Burkes Pass WWTP upgrade - discharge/flowmeter (#12) - PE Baffles (#13)	WWTP Compliance - install	\$50,000	\$110,000	Open tender?	BUM < \$80k	N/A	1292	Sep-21			end March 2022		Forecast: \$20k power, \$20k baffles, \$40k civil/mech, \$20k comms, \$10k easements (TPG)		
11A	22+26	22 - Water Supply Sources Database 26 - Drinking Water Supply to remote properties study (Remote Water Source Database & Supply Studies)	Document all drinking water sources and private networks - options to improve	\$90,000	\$80,000	Open RFP on GETS	✓ BUM < \$80k	✓ 04/05/2021	1280	✓ 9/06/2021	✓ 5/07/2021	✓ Aqualinc 22/7/21	end Oct 2021	101657 Aqualinc	Requires ratepayer surveys, and public engagement/comms for info/education.	4 tenders rec'd - awarded Aqualinc \$79,880 (Rationale excluded due COI)	Aqualinc - ACENZ
11B	27	Potable Water Supply to remote properties - install new or upgraded works	Implement priority recommendations from study	\$175,000	\$50,000	3 quotes? (low value)	GM < \$350k	N/A		Dec-21			end March 2022		Budget includes constn monitoring fee. Several minor works contracts may be better. Insufficient time available for large implementation projects		
12A	14A	CCTV Scoping	CCTV scope and spec	\$20,000	\$20,000	Closed RFQ	✓ BUM < \$80k	✓ 26/05/2021	1278	✓ 3/06/2021	✓ 24/06/2021	✓ Beca 29/6/21	9/10/2021	101352 Beca	Beca/Stantec/GHD (GHD withdrew 21/06/2021)	Stantec \$24,644 Beca \$15,646	Beca ACENZ
12B	14B	CCTV Inspections	CCTV physical inspections	\$180,000	\$180,000	Open tender	GM < \$350k	N/A	1293	✓ 9/10/2021	✓ 9/11/2021		end March 2022		Scope can be varied to balance overall budget		
13	15+16	15 - Sewer Modelling 16 - Water Supply modelling	Hydraulic modelling	\$250,000	\$250,000	Open RFP on GETS	GM < \$350k	✓ 03/09/2021	1281	✓ 1/10/2021	✓ 27/10/2022		Mar-22				
14A	17+18A	WWTP Monitoring Equipment - 3 sites - design		\$25,000	\$35,000	Specialist	✓ BUM < \$80k	✓ 30/07/2021	1282	✓ 30/07/2021	✓ 19/08/2021	✓ Beca 25/8/21	Oct-21	101938 Beca	improve monitoring for compliance & to improve pond health. Sole Souce (Beca) due prior pond and monitoring equipment knowledge	Beca \$27,089 (plus \$7,043 for tender doc prep = \$34,132)	Beca ACENZ
14B	17+18B	WWTP Monitoring Equipment - 3 sites - install		\$210,000	\$210,000	Open RFP on GETS	GM < \$350k	N/A		Oct-21			Mar-22				
15A	4	4 - Upsize WW (470m) Fairlie Golf Course - design only	Hydraulic Designs and Estimates only	\$35,000	\$35,000	Closed RFQ	BUM < \$80k	MD	1295	end Sept			Feb-22				
15B	2+5+30	In order of priority: 5 - Realign or replace Sloane Street SW timber box culvert 2 - SW Management Control (Flooding) - Alloway area, Fairlie 30 - Connect Allandale Rd Industrial WW to Fairlie WW network	Hydraulic Designs and Estimates only - Fairlie WW & SW	\$105,000	\$0	Open RFP on GETS	GM < \$350k	MD ON HOLD	1283				Feb-22		Prioritised in case budget is exceeded by cost of studies. On Hold, pending confirmation of other cost forecasts	158 projects on hold - balance budgets	
	10	10 - Stock-Truck effluent station - study Deleted - \$20k funds transferred to package 17	Options Study	\$0	\$0	Closed RFQ	BUM < \$80k	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
16	11	11 - Septage disposal (study)	Options Study	\$45,000	\$25,000	Specialist	✓ BUM < \$80k	✓ 29/07/2021	1294	✓ 29/07/2021	✓ 4/08/2021	✓ 10/08/2021	Nov-21	101928 Tiaki 102256 Tiaki	Proposal received from Tiaki (specialist consultant) Septage testing.		Tiaki - ACENZ
17	28+29	Scope Change; WSP's covering 5 (or 6) MDC supply schemes (previously compliance checks Albury Rural and Allandale). Dave preparing brief	Water Safety Plans for Compliance	\$80,000	\$135,000	Direct Appoint WSP	GM < \$350k	✓ 15/09/2022	1296	✓ 28/09/2022	✓ 01/10/2023	✓ 08/10/2024	Mar-22		Note Scope Change. Procurement Plan approved (Council 28 September)		
18	9A/9C/9D	9A - Review WWTP Wetlands planting Fairlie (Miscanthus) 9C - Replace Exotics with Endemics at Tekapo WWTP 9D - SW discharges Fairlie/Tekapo	Review with Runanga (AEC) plantings at WWTP and SW disposal. Site tour arranged with AEC	\$30,000	\$30,000	Direct Appoint AEC	BUM < \$80k	✓ 26/08/2021 (site tour arranged)	N/A	N/A	✓ 20/10/2021 (site tour)	N/A	Dec-21		In-house MDC project, meeting with Runanga, facilitated by AEC per existing SLA. Site tour 20 October		
19	9B	9B - Review WWTP fencing at WWTP's. Address m&s (access). Install to budget	Plan upgrades (deer fencing). Will be done in conjunction with desludging contract - as reqd	\$30,000	\$30,000	In-house	BUM < \$80k	N/A - sort on site by site basis					Feb-22		Identify areas of poor fencing, plan new locations and estimate costs. Any installation is budget driven & co-ordinated with desludge containment ponds.		
20	32	Preparation for Reform - implications for MDC structure/ops/rates		\$50,000	\$60,000	As required			N/A	N/A	N/A	N/A	Mar-22		Figure may be revised - DA. (\$30k spent 12m to Aug)	\$30k already expended	
	33	Programme Delivery		\$200,000	\$250,000								Mar-22		Figure may be revised - DA. (\$135k spent 8m to end Aug)	Octa/Rationale/DA	
Balancing/Contingency				\$35,000	\$18,000												
				\$5,111,000	\$5,111,000												

Installation/Construction (sometimes Second Stage)
(8 additional procurements)
Opex projects (Accounts assessment)Open tender
Budget balancing projects
changed in this updatePhysical works - some dependent on study/design
In process

Contracts in place

28+29 Scope Change; Compliance with existing Albury/Allandale WSP's amended - now 6 x new WSP's (budget bolstered by deletion of project 10)

5.6 ENGINEERING MANAGER'S REPORT

Author: David Adamson, General Manager Operations - Acting

Authoriser: David Adamson, General Manager Operations - Acting

Attachments: Nil

Council Role:

- ☐ **Advocacy** When Council or Committee advocates on its own behalf or on behalf of its community to another level of government/body/agency.
- ☒ **Executive** The substantial direction setting and oversight role of the Council or Committee e.g. adopting plans and reports, accepting tenders, directing operations, setting and amending budgets.
- ☐ **Legislative** Includes adopting District Plans and plan changes, bylaws and policies.
- ☐ **Review** When Council or Committee reviews decisions made by officers.
- ☐ **Quasi-judicial** When Council determines an application/matter that directly affects a person's rights and interests. The judicial character arises from the obligation to abide by the principles of natural justice, e.g. resource consent or planning applications or objections, consents or other permits/licences (e.g. under Health Act, Dog Control Act) and other decisions that may be appealable to the Court including the Environment Court.
- ☐ **Not applicable** (Not applicable to Community Boards).

PURPOSE OF REPORT

This report was written by John Mackie, Acting Engineering Manager. It is to update the Engineering and Services Committee on the progress of various projects and the normal operation of the department for the past month.

STAFF RECOMMENDATIONS

1. That the information in the Engineering Managers Report be noted.
2. That a letter of appreciation, signed by the Mayor, be extended to Whitestone Contractors Ltd in recognition of their many years of service as Council's principal roading maintenance contractor.

GENERAL**Development Resource Consents**

Resource consents continue to be lodged that require input from the engineering team prior to being granted. Engineering reviews of the Mackenzie Park development are currently in progress. A

review of the Mackenzie Engineering Standards for Subdivisions is underway and will be based on NZS 4404:2010, modified to suit local conditions.

3 Waters Stimulus Fund Projects

The quarterly report for the period ending 30 September 2021, has recently been submitted to the DIA in accordance with Crown Funding Agreement. As of that date, 21% of the programme had been completed and several major projects have made considerable progress. These include the desludging work of the oxidation ponds at Twizel, a tender was awarded for the water and wastewater modelling project and tenders have closed on the Twizel Rising main contract.

Funding status

Funding received	\$2,560,000
Spent to date	\$1,093,000
Forecast next quarter	\$1,184,000
Total Programme	\$5,112,000

3 WATERS OPERATIONS

This has been a quiet period with just the normal day-to-day things happening. Water demand is trending up with the warmer weather. The Burkes Pass solar panels were replaced and the plant is working as it should again and not running off the small generator. A small storm water pipe was replaced at the intersection of Tolbat and Mackenzie St in Fairlie. There have been other issues which have been more related to the pipe renewal work that is being run by BECA.

The outlet magnetic flow meter at Twizel was damaged in an electrical storm in September and there are delays in procuring a replacement meter.

Budget Breakdown

Water

Operation and maintenance expenditures as at the end of September 2021.

- Electricity cost of \$23,867 is over budget by \$743
- Contractors cost of \$90,070 is under budget by \$25,154
- Water quality monitoring cost of \$14,967 is under budget by \$3,630
- Consent monitoring cost of \$0 is under budget by \$1,251

Wastewater

Operation and maintenance expenditures as at the end of September 2021.

- Electricity cost of \$7,778 is under budget by \$3,871
- Contractors cost of \$55,417 is under budget by \$32,71
- Quality monitoring cost of \$2,017 is under budget by \$3,530
- Consent monitoring cost of \$4,539 is over budget by \$999¹
- Landfill and bin hire cost of \$234 is under budget by \$1,392²

1. Ecan have increased their wastewater monitoring activity which is increasing this cost.
2. This cost is for the hire of skip and disposal to landfill of the screening waste rags and other rubbish the gets into the sewer system.

The has been no CCTV work done in this financial year.

Stormwater

Operation and maintenance expenditures as at the end of September 2021.

- Contractors cost of \$6,448 is under budget by \$1,374
- Consent monitoring cost is over budget by \$1,374

Allandale

Operation and maintenance expenditures as at the end of September 2021.

- Electricity cost of \$1,252 is under budget by \$497
- Contractors cost of \$13,475 is under budget by \$10,999
- Water quality monitoring cost of \$2443 is over budget by \$532³

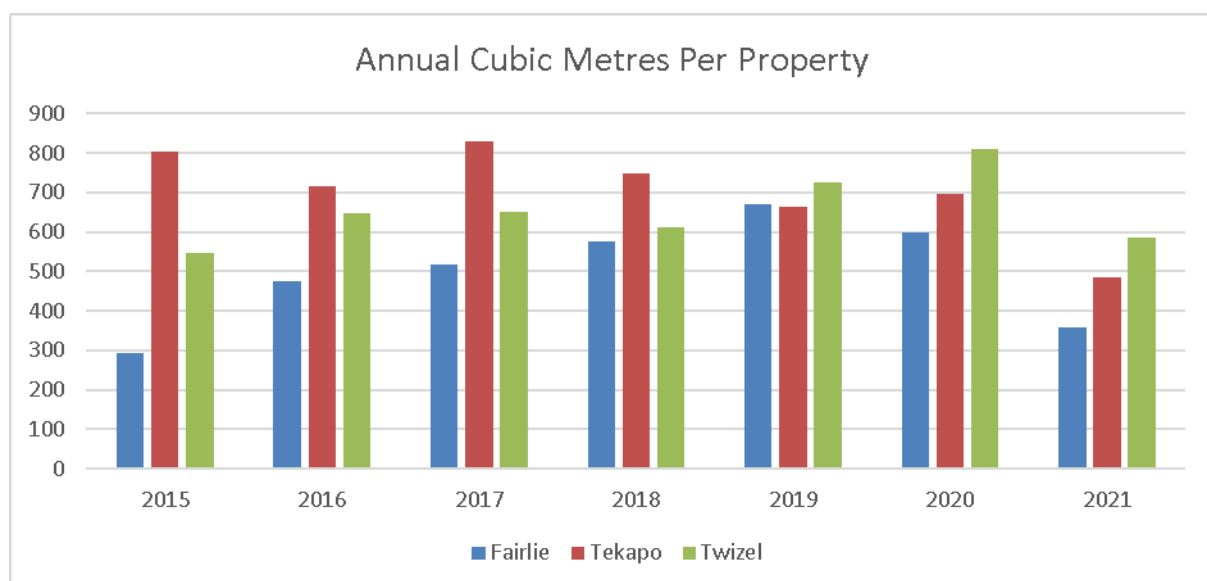
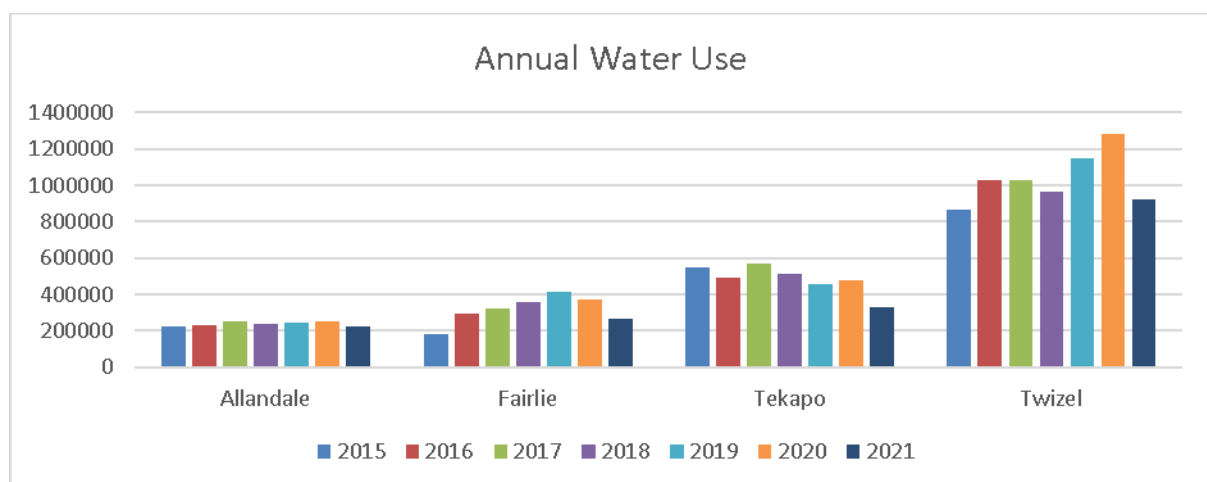
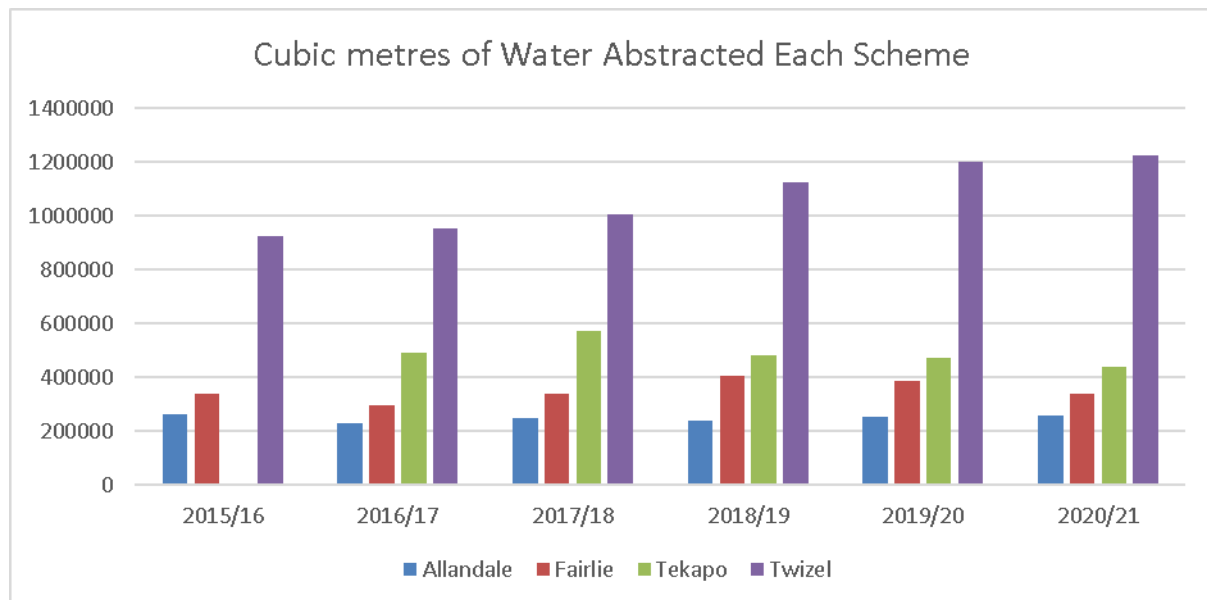
3. *This is due to carrying out an increased number of samples to ensure bacterial compliance.*

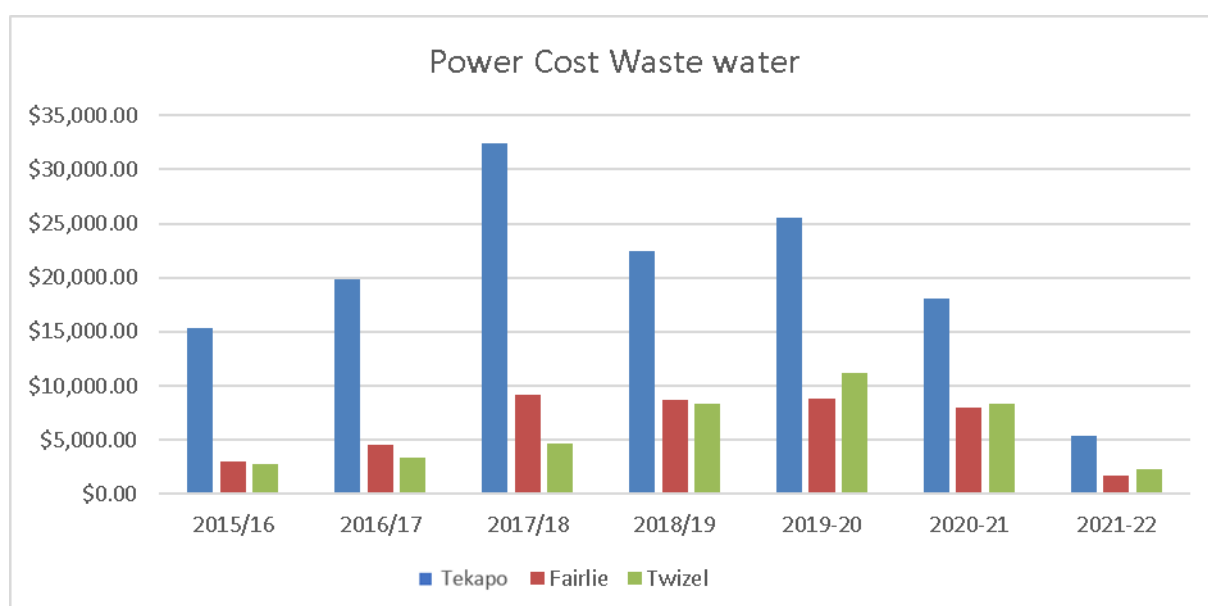
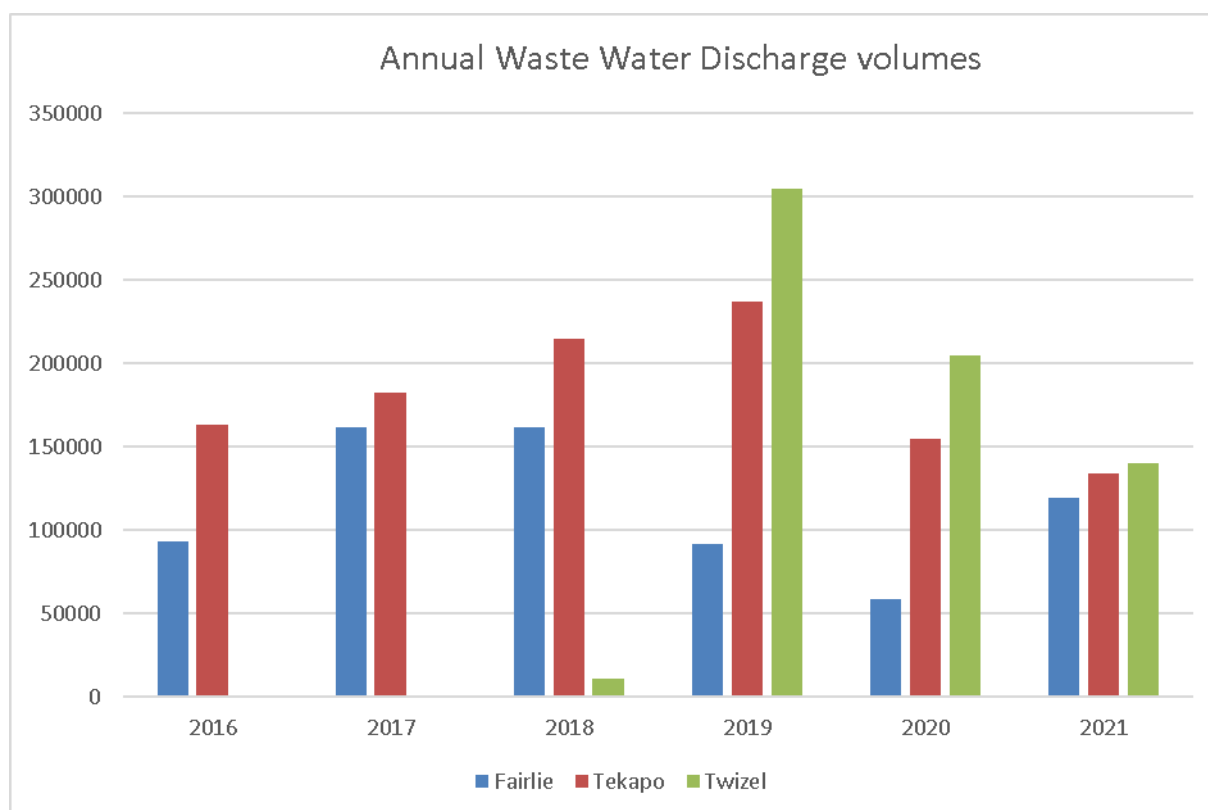
Water Quality Testing Results to the end of October 2021.

	Albury	Allandale	Burkes Pass	Fairlie	Kimbell	Tekapo	Twizel	
Plant	21	21	21	39	0	37	40	179
Retic	5	5	5	23	5	23	23	89
Fails	0	0	0	0	0	0	0	0
								268

Service Requests Received for 2020-21

	Total Received	Completed	Completed on time
Allandale	11	10	10
Burkes Pass	0	0	0
Fairlie	19	18	18
Tekapo	16	15	15
Twizel	70	70	67
Total	116	113	110





ROADING REPORT

Maintenance Contract

The new maintenance contractor, Fulton Hogan, commenced operations on 29 October 2021. They have been working to setup contract and work procedures over the previous month and are currently out on the network and getting established. Grading has begun. Staff are currently tidying up the previous contract with Whitestone. We extend our thanks to Whitestone for their service over the last contract term, as well as for the many previous years of service to Council. We would also recommend that a letter be sent from Council, acknowledging Whitestone for their service.

Flood Works

Most of the flood works are now complete. Re-gravelling of the Lochaber Road is now complete as well as seal replacement on Clayton Road. Plantation Road bridge access, where the abutment washed out, is also now fully reinstated and the road reopened. North Opuha Bridge still requires work and an approach is being formulated with Environment Canterbury to develop an appropriate methodology. There are several structures that still require works, both major and minor, and these will continue to be progressed. The majority of other repairs or minor damage will be incorporated into, or with other maintenance activities in the area going forward, rather than being treated as site specific works.

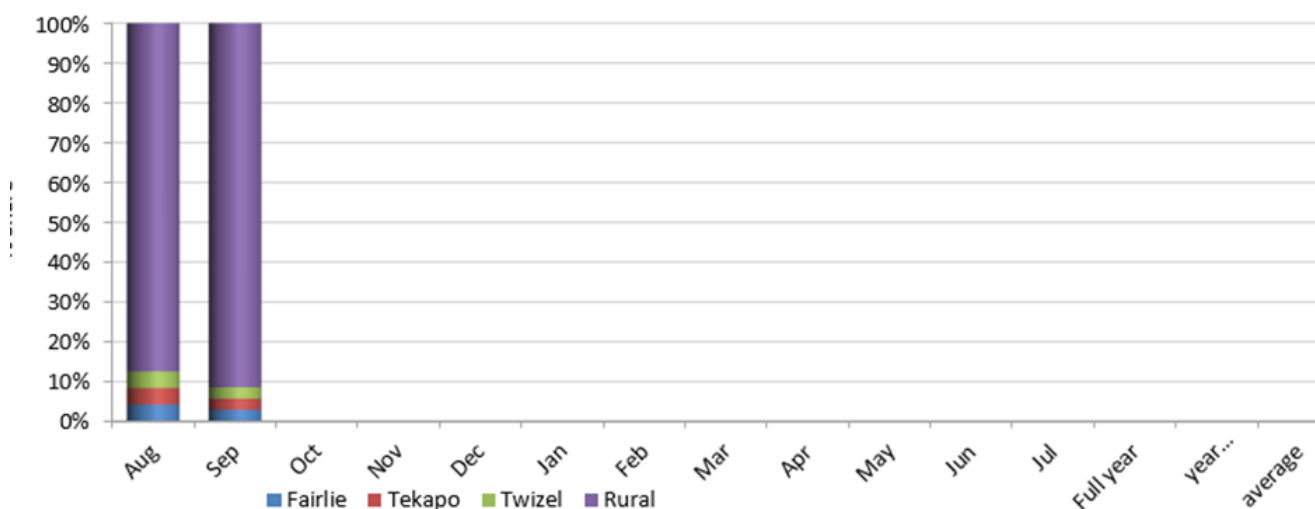
Service Installations

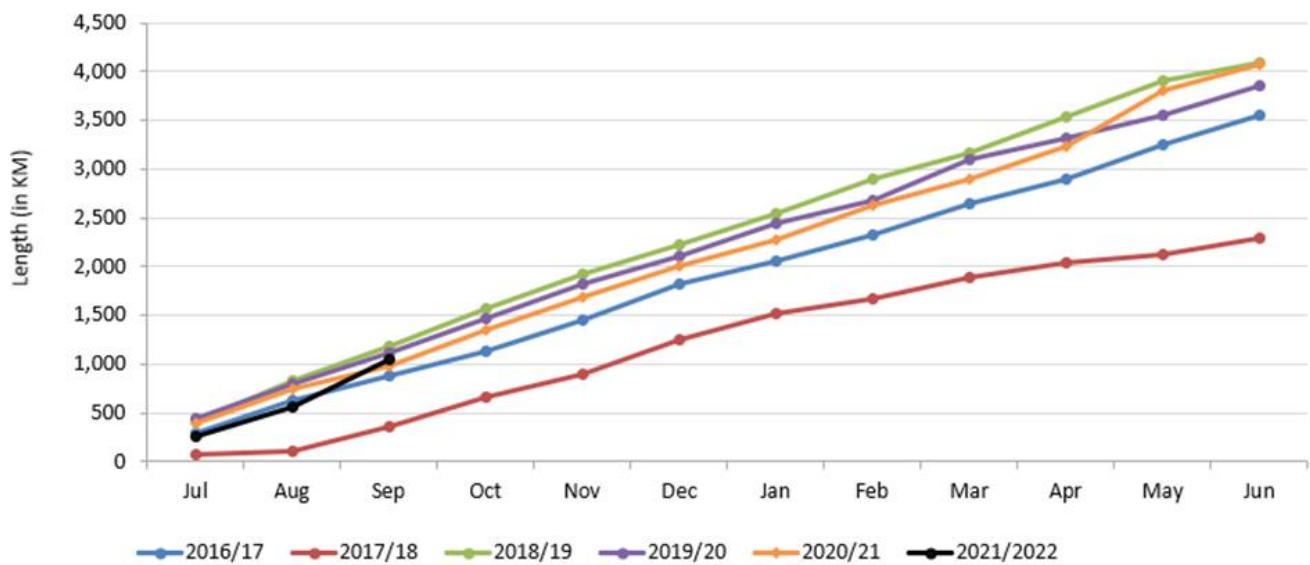
There have been several utility service installations installed in the district recently, causing a number of disruptions. We thank the community for their patience. Works includes Chorus - Ultra Fast Broadband roll out in both Fairlie and Tekapo, Alpine Energy – power cable installations in Tekapo, Council Three Waters – Pipe upgrades in Twizel and coming into Tekapo. This has affected several footpaths road surfaces and berms. Service providers are able to use the road corridor to lay their services but the remediation is to be like-for-like or better at the completion of the works.

Financial

Most of the spend to date has been on remediating flood works from the previous financial year. Due to the change in maintenance contractor, we are currently working on improving the financial and performance reporting system with Fulton Hogan. We have received the final allocations from Waka Kotahi (NZTA), which have been reconciled against the draft LTP. We are awaiting the outcome of LTP to finalise the programme for the remainder of the year, in order to confirm and set the final budgets.

Amalgamated Roding Budget 2020/2021



Unsealed Road Grading (Cumulative)

6 PUBLIC EXCLUDED**RESOLUTION TO EXCLUDE THE PUBLIC****RECOMMENDATION**

That the public be excluded from the following parts of the proceedings of this meeting.

The general subject matter of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under section 48 of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48 for the passing of this resolution
6.1 - Minutes of Public Excluded Engineering and Services Committee Meeting - 17 August 2021	<p>s7(2)(b)(ii) - the withholding of the information is necessary to protect information where the making available of the information would be likely unreasonably to prejudice the commercial position of the person who supplied or who is the subject of the information</p> <p>s7(2)(i) - the withholding of the information is necessary to enable Council to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)</p>	<p>s48(1)(a)(i) - the public conduct of the relevant part of the proceedings of the meeting would be likely to result in the disclosure of information for which good reason for withholding would exist under section 6 or section 7</p>