

# ORDER PAPER

## ASSETS/INFRASTRUCTURE COMMITTEE MEETING

**Date:** Thursday, 14 April 2022  
**Time:** 9.30 am  
**Venue:** Council Chamber  
Rangitikei District Council  
46 High Street  
Marton

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**Chair:** Cr Dave Wilson  
**Deputy Chair:** Cr Richard Lambert  
**Membership:** Cr Cath Ash  
Cr Nigel Belsham  
Cr Brian Carter  
Cr Fi Dalgety  
Cr Gill Duncan  
Cr Angus Gordon  
Ms Coral Raukawa (TRAK representative)  
HWTM Andy Watson

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<b>Locations:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <u>Marton</u>            Head Office            46 High Street, Marton         </td> <td style="width: 50%; border: none; vertical-align: top;"> <u>Bulls</u>            Bulls Information Centre-            Te Matapihi            4 Criterion Street, Bulls         </td> </tr> <tr> <td style="border: none; vertical-align: top;"> <u>Taihape</u>            Taihape Information Centre -            Taihape Town hall            90 Hautapu Street (SH1), Taihape         </td> <td style="border: none;"></td> </tr> </table>	<u>Marton</u> Head Office 46 High Street, Marton	<u>Bulls</u> Bulls Information Centre- Te Matapihi 4 Criterion Street, Bulls	<u>Taihape</u> Taihape Information Centre - Taihape Town hall 90 Hautapu Street (SH1), Taihape	
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**Notice is hereby given that an Assets/Infrastructure Committee Meeting of the Rangitīkei District Council will be held in the Council Chamber, Rangitīkei District Council, 46 High Street, Marton on Thursday, 14 April 2022 at 9.30 am.**

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## **AGENDA**

### **1 Welcome / Prayer**

### **2 Apologies**

### **3 Public Forum**

No public forum.

### **4 Conflict of Interest Declarations**

Members are reminded of their obligation to declare any conflicts of interest they might have in respect of items on this agenda.

### **5 Confirmation of Order of Business**

That, taking into account the explanation provided why the item is not on the meeting agenda and why the discussion of the item cannot be delayed until a subsequent meeting, [enter item number](#) be dealt with as a late item at this meeting.

## 6 Confirmation of Minutes

### 6.1 Confirmation of Minutes

**Author:** Ash Garstang, Governance Advisor

#### 1. Reason for Report

- 1.1 The minutes from the Assets/Infrastructure Committee meeting held on 10 February 2022 are attached.

#### Attachments

1. **Assets/Infrastructure Committee Meeting - 10 February 2022**

#### Recommendation

That the minutes of the Assets/Infrastructure Committee meeting held on 10 February 2022, **[as amended/without amendment]** be taken as read and verified as an accurate and correct record of the meeting, and that the electronic signature of the Chair of this committee be added to the official minutes document as a formal record.

# MINUTES

ITEM 6.1

ATTACHMENT 1

## **UNCONFIRMED: ASSETS/INFRASTRUCTURE COMMITTEE MEETING**

**Date: Thursday, 10 February 2022**

**Time: 9.30 am**

**Venue: Council Chamber  
Rangitikei District Council  
46 High Street  
Marton**

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Present

- Cr Dave Wilson
- Cr Richard Lambert
- Cr Cath Ash [*via Zoom*]
- Cr Nigel Belsham
- Cr Brian Carter
- Cr Fi Dalgety [*via Zoom*]
- Cr Gill Duncan [*via Zoom*]
- Cr Angus Gordon
- Ms Coral Raukawa (TRAK representative) [*via Zoom*]

In attendance

- Mr Peter Beggs, Chief Executive
- Mr Arno Benadie, Chief Operating Officer
- Mrs Carol Gordon, Group Manager – Democracy and Planning
- Mr Dave Tombs, Group Manager – Corporate Services
- Ms Gaylene Prince, Group Manager – Community Services [*via Zoom*]
- Mrs Jess Mcilroy, Operations Manager
- Mr Ash Garstang, Governance Advisor

**Order of Business**

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**ITEM 6.1 ATTACHMENT 1**

UNCONFIRMED

## 1 Welcome / Prayer

The meeting opened at 9.30 am and Cr Lambert read the Council prayer.

## 2 Apologies

Resolved minute number 22/AIN/001

That the apology for His Worship the Mayor (noting he is away on Council business) be received.

Cr A Gordon/Cr B Carter. Carried

## 3 Public Forum

No public forum.

## 4 Conflict of Interest Declarations

No conflicts of interest were declared.

## 5 Confirmation of Order of Business

No changes to the order of business.

## 6 Confirmation of Minutes

Resolved minute number 22/AIN/002

That the minutes of the Assets/Infrastructure Committee meeting held on 09 December 2021, as amended, be taken as read and verified as an accurate and correct record of the meeting, and that the electronic signature of the Chair of this committee be added to the official minutes document as a formal record.

Amendment: correct the last two sentences under 'Utilities Budgets' on page 10, to read more clearly.

Cr N Belsham/Cr B Carter. Carried

## 7 Follow-up Action Items from Previous Meetings

### 7.1 Follow-up Action Items from Assets/Infrastructure Meetings



Regarding the diversion rate, Mrs Mcilroy advised that a consultant has been commissioned to draft a waste minimisation roadmap for the district (which includes diversion), and to look at a broader overview of Council's waste management practices.

In response to a query, Mr Benadie advised that the sealing of Edwards Street in Bulls was substandard and he is trying to get a firm date from the contractor for when it will be fixed.

Regarding the increase in landfill tonnage coming through the district's transfer stations, Mr Benadie advised that an engineering company will complete a review of the district's solid waste management.

**Resolved minute number 22/AIN/003**

That the report 'Follow-up Action Items from Assets/Infrastructure meetings' be received.

Cr N Belsham/Cr R Lambert. Carried

## 8 Chair's Report

### 8.1 Chair's Report - February 2022

The Chair's Report was tabled and taken as read.

**Resolved minute number 22/AIN/004**

That the Chair's Report – February 2022 be received.

Cr D Wilson/Cr A Gordon. Carried

## 9 Reports for Information

### 9.1 Assets and Infrastructure Report - January 2022

Regarding Mt Curl Road (p. 24): Staff to email the Committee and confirm that the recent slip damage will not alter the completion date listed in the report.

#### Unsealed Road Network

The Committee discussed soil erosion and the future risk of this from farming practices. Mr Benadie advised that he will check with the roading team to see if there are any heat maps for damages across the district – if so, he will bring this back to the Committee. In response to a query, Mr Benadie advised that the normal FAR rate from Waka Kotahi is 64%, but this can vary for significant damage (i.e., Waka Kotahi can potentially provide additional funding in specific circumstances).

The Committee discussed the maintenance of the district's unsealed road network. It was noted that many of the roads are of very old construction and have a clay base, making them susceptible to weather damage and soil erosion. Mr Benadie advised that Waka Kotahi and central government

set the broader directives and programmes for roading works. Council can add new unsealed roads to the programme, but it will cost money and may not be prioritised against other work. A number of factors will go into considering the relative priority of certain roads, including their perceived economic utility. A schedule of maintenance for unsealed roads has been submitted to Waka Kotahi. Mr Benadie further noted that the request for service (RFS) system is the appropriate avenue for the public to submit maintenance requests.

The Committee and staff agreed that a workshop will be organised for elected members to address the maintenance of the unsealed road network and the impact of logging trucks on the condition of roads that are used for forestry.

#### Mangaweka Bridge Replacement

The Committee discussed the recent miscommunication between Council and Ngāti Hauiti, regarding the new Mangaweka Bridge. Mr Benadie advised that the contractor allowed vehicles to use the new bridge so that they could complete road works on the old portion. The bridge has since been re-closed and staff have approached Ngāti Hauiti about the appropriate steps moving forwards. Furthermore, the project management office (PMO) will meet with Mr Meihana (Strategic Advisor – Mana Whenua) on a weekly basis, to help ensure that Council's iwi partners are kept up to date.

Mr Beggs advised that he has apologised to the Te Roopuu Ahi Kaa Komiti for this miscommunication, and steps are being implemented by staff to ensure that it does not re-occur.

In response to a query, Mrs Mcilroy confirmed that traffic is now going across the historic bridge (not the new one). There is no additional cost to the project arising from this incident. Mr Beggs advised that the project is ahead of schedule, and that there is no opening date currently fixed.

#### Rubbish on State Highway 1

Cr Duncan advised the Committee that two of the main sections of SH 1 near Taihape have sections of unmown grass (at rest areas) and overflowing rubbish. The Committee noted that the SH comes under the jurisdiction of Waka Kotahi, although due to the negative perception that this could give of the local area, it would be worth raising it with Waka Kotahi for a resolution. The Committee agreed that the Mayor should raise this directly with Waka Kotahi.

#### Utilities Budgets

In response to a query about the cost for the Papakai Pump Station Diversion project, Mrs Mcilroy advised that the cost of the pump station is yet to be received. Once confirmed, it will be referred to Council for formal approval. Mr Beggs advised that this is a project where Council will have several options for the service level and associated cost of the project.

In response to a query, Mr Benadie advised that the line item for the centralisation pipeline only covers the cost of the pump installation. The pump station itself will have additional costs, although fortunately these should be low as the upwards gradient of the pipe is minimal, and much of the rest of the pipeline will follow a downwards gradient (these sections will not require pumping due to gravity).

#### Taihape CBD

Cr Gordon advised that there is a lot of construction debris in Taihape that is washed into the town centre when it rains. He believes that the contractor (Higgins) should resolve this issue as they are

the ones causing it. Mr Benadie advised that this is a state highway and the contractor is working on behalf of Waka Kotahi. Mr Beggs advised that staff will ask the Mayor to raise this issue with Waka Kotahi, alongside the issue of rubbish on SH 1 in Taihape.

Water Supply

Mrs Mcilroy advised that WSP are on schedule with their programme, and there are no red flags with either them or Horizons Regional Council (HRC). Some of the technical reports have indicated that there may be a need for a higher capital spend on some assets than has been budgeted.

In response to a query regarding the Taihape water supply, Mr Benadie advised that staff are attempting to find equipment to complete this job and it will then be presented to HRC.

In response to a query about impending water standards from Taumata Arawai (the new water regulator), Mrs Mcilroy advised that these new regulations are outside of WSP’s scope – although staff have discussed this issue with MDC, as it would make sense for Council and MDC to submit a joint submission to Taumata Arawai.

Wastewater

In response to a query about the possibility of getting a consent to dump truck effluent at the Hunterville wastewater dams, Mr Benadie advised that this dumping site comes under Waka Kotahi and the Hunterville plant does not have sufficient capacity to accommodate this level of effluent.

Tutaenui Stream Fencing

Mrs Mcilroy updated the Committee on this issue. An iwi group had previously offered to erect fencing at the dams, but they are no longer certain that they will have a surplus of fencing materials or that they will have the time to complete the work. Staff have communicated with the Tutaenui Stream Restoration Society and put them in touch with the iwi group to progress this further. The Committee agreed that this was the right approach to take, and that it was time for staff to step back from the process.

**Resolved minute number 22/AIN/005**

That the Assets and Infrastructure Report – January 2022 be **received**.

Cr D Wilson/Cr R Lambert. Carried

**The meeting closed at 11.11 am.**

**The minutes of this meeting were confirmed at the Assets/Infrastructure Committee held on 14 April 2022.**

.....  
**Chairperson**

## 7 Follow-up Action Items from Previous Meetings

### 7.1 Follow-up Action Items from Assets/Infrastructure Meetings

**Author:** Ash Garstang, Governance Advisor

#### 1. Reason for Report

1.1 On the list attached are items raised at previous Assets/Infrastructure meetings. Items indicate who is responsible for each follow up, and a brief status comment.

#### 2. Decision Making Process

2.1 Staff have assessed the requirements of the Local Government Act 2002 in relation to this item and have concluded that, as this report is for information only, the decision-making provisions do not apply.

#### Attachments

1. **Follow-up Actions Register** [↓](#)

#### Recommendation

That the report 'Follow-up Action Items from Assets/Infrastructure meetings' be received.

ITEM 7.1

### Current Follow-up Actions

Item	From Meeting Date	Details	Person Assigned	Status Comments	Status
1	10-Feb-22	As per Cr Gordon's request: Staff to forward comments around the issue of construction debris in Taihape's CBD to HWTM (who will raise it with Waka Kotahi via his forum).	Arno Benadie	Parks and Reserves manager Murray Phillips contacted Waka Kotahi to clarify the clean-up responsibilities for the construction debris in Taihape. All clean-up works has now been	Closed
2	10-Feb-22	As per Cr Duncan's request: Staff to forward comments around the unmown rest areas and overflowing rubbish there to HWTM (who will raise it with Waka Kotahi via his forum). This is for two main sections of highway near Taihape.	Arno Benadie	Staff have not received any comments at the moment. Comments will be passed on to HWTM when received.	Closed
3	10-Feb-22	Staff to organise a workshop for elected members to address the maintenance of the unsealed road network and the impact of increased forestation on the condition of roads that are used by logging trucks.	Carol Gordon / Arno Benadie	To be scheduled for one of the workshops planned during 2022.	In progress
4	10-Feb-22	As per Cr Carter's request: staff to investigate if there is any intention of putting a speed restriction OR some indicator/signage for the first right-hand bend, west of the Rangitikei Golf Club (on Raumai Road).	Arno Benadie	Chevron arrows have been erected at this site. By the end of April a g-force pendulum test will be carried out to determine what speed the yellow speed recommendation signs should display. Signs will then be erected that reflect the test results.	In progress
5	10-Feb-22	Regarding soil erosion throughout the district: Staff to look at our asset database and see if there is a heat map for damages within the district. If so, staff will bring this back to a future Committee meeting, and if not, staff may request the roading team to look into investigating it.	Arno Benadie	We do not have this information available on our systems. We will investigate the ability to add this to the recorded information	Closed
6	10-Feb-22	As per Cr Belsham's query: Staff to email the Committee and confirm that the recent slip damage on Mt Curl Road will not alter the completion date listed in the 'Assets and Infrastructure - January 2022' report.	Arno Benadie	The planned work for Mt Curl Road will not be delayed as the slip and the planned works are at different locations. All landowner negotiations and earthworks will be completed this financial year followed by carriageway construction next summer.	Closed

## ITEM 7.1 ATTACHMENT 1

7	9-Dec-21	HWTM and Cr Gordon requested that staff arrange a workshop for Elected Members, to focus on housing within the district.	Jaime Reibel	As a first step ELT needs to be consulted. Although on the Agenda for the 26th January ELT meeting, there was no time to present (however, the report was circulated). Will retry at the next ELT meeting and then schedule the workshop with Elected Members.	In progress
8	9-Dec-21	HWTM requested that staff investigate what has been submitted to Waka Kotahi regarding the introduction of reduced speed limits within the district.	Jess Mcilroy	Nothing yet – will work with MDC on a submission regarding the reduction of speed limits in the district.	In progress
9	9-Dec-21	Cr Ash requested that staff investigate trade waste water quality in Taihape.	Arno Benadie	RDC have individual agreements and relationships with the small number of trade waste producers in the district. A new updated Trade Waste bylaw formed part of future works programmes, but will now be postponed to allow the new Water Entity to manage trade waste in a way that will achieve their objectives. No further works are planned to change Trade Waste agreements in the District.	Closed
10	9-Dec-21	Cr Ash requested that staff investigate why diversion is down (with Smart Environmental).	Jess Mcilroy	The total tonnage and diversion volumes recorded this year has been discussed with the current contractor. It is a complex topic with no real way to determine where the solid waste is generated or why the diversion volumes decreased. These items will be included in the new solid waste management contract that will be tendered this year.	Closed
11	14-Oct-21	Regarding the installation of smart devices for water metres: Mr Benadie will update the Committee on the implementation of these at the next Assets/Infrastructure meeting.	Arno Benadie	A contractor has been engaged and work should start by the end of April.	In progress

12	12-Aug-21	<p>There was some confusion about whether the gradient of the Calico Line-Broadway intersection had in fact been restored to its original level. Mr Benadie, Cr Belsham and Cr Ash to review Calico Line-Broadway intersection for the grading and paint.</p> <p><b>Update 14 Oct 21:</b> Re-opened at Cr Belsham's request, as this issue is ongoing.</p> <p><b>Update 09 Dec 21:</b> Cr Belsham requested that staff push the contractor to amend the road marking.</p>	Arno Benadie	<p>The confusion has been resolved and the finished road level has been discussed with the roading team and contractor. We have a commitment from the roading team that the remediation works will be completed by the end of May 2022.</p>	In progress
13	12-Aug-21	<p>Regarding the sealing of Edwards Street in Bulls - staff will ensure that this is rectified with the relevant contractor, at no additional cost to Council.</p> <p><b>Update 14 Oct 21:</b> Re-opened at Cr Carter's request, as this issue is ongoing.</p>	Arno Benadie	<p>The sealing of Edward street has been discussed with the roading team and contractor and is now under review. We have a commitment from the roading team that the remediation works will be completed by the end of May 2022.</p>	In progress
14	12-Aug-21	<p>Cr Belsham and Cr Wilson advised staff that they have had an individual raise an issue with waste coming through our transfer stations (from outside the district) and then going into the Bonny Glenn landfill. Staff undertook to investigate the increase in landfill tonnage from our transfer stations and the decrease in recycling diversion. Staff will meet with Cr Belsham regarding this matter.</p>	Arno Benadie	<p>The total tonnage received and diversion volumes recorded this year has been discussed with the current contractor. It is a complex topic with no real way to determine where the solid waste is generated or why the diversion volumes decreased. These items will be included in the new solid waste management contract that will be tendered this year.</p>	Closed

## 8 Chair's Report

### 8.1 Chair's Report - April 2022

**Author:** Dave Wilson, Councillor

Welcome all,

As detailed in the PMO report to full council on 31<sup>st</sup> of March the 9 significant projects report on are progressing, some nearing completion and others still in planning and consenting. It is great to see these capital works progressing, however the pressure on costs and the ability to deliver on time is increasing in many of these projects and will require careful management by council staff/PMO and a clear understanding from elected members as to the effects on both our annual and long-term plans.

It has been said before that the level of works being undertaken by both the Rangitikei District Council and private developers across our district is at a level not seen for the last 30 plus years, I would agree that this is the case. It could be said that some of this work is long overdue I.E., Marton water strategy!

But equally as important is the number of current projects that are focused on 2050, projects that build for the future.

The Pae Tawhiti Rangitikei Beyond plan plays is a very important part in of 2050 infrastructure planning, both above and below ground to meet the needs and expectations of our growing communities.

Dave Wilson

Chair

### **Recommendation**

That the Chair's Report – April 2022 be received.



## 9 Reports for Decision

### 9.1 Funding of local share of 13 December 2021 Weather Event - Damage to Road Network

**Author:** Philip Gifford, Projects Engineer

**Authoriser:** Arno Benadie, Chief Operating Officer

#### 1. Reason for Report

- 1.1 On the 13th of December 2021 the district Road Network was impacted by an extraordinary weather event, namely intensive flooding concentrated in the Hunterville area. The purpose of this report is to seek formal approval for Council local share funding for the proportion of the cost that will not be funded by Waka Kotahi.

#### 2. Context

- 2.1 On Monday 13th December 2021, heavy rainfall flooded the township of Hunterville, the North Island Main Trunk Railway and the local road network.
- 2.2 The flooding caused numerous slips along several roads, particularly Ongo Road, Watershed Road, Kie Kie Road, Tiriraukawa Road, Te hou hou Road, Murimutu Road, and Turakina Valley Road.
- 2.3 A 20km length of Mangahoe Road was extensively damaged and closed to traffic for approximately ten days. Overflow from the adjacent stream scoured out significant areas of carriageway and bridge approaches.
- 2.4 Mt Curl Road was closed by a large slip for approximately five weeks.
- 2.5 At present, the response phase work has been completed and all roads are open. Works to some individual sites are underway with others in the design phase.
- 2.6 Rangitikei District Council have applied to Waka Kotahi for Emergency Works funding based on a total estimated repair cost of \$1,820,000.
- 2.7 This report seeks approval for the local cost that will not be funded by Waka Kotahi.

#### 3. Discussion and Options Considered

- 3.1 The objective is to reinstate the network to its previous condition without making any improvements or omitting any necessary repair work. Hence no options apart from repairing like with like have been considered.

#### 4. Financial Implications

- 4.1 The Council made an application for funding based on a total event cost of \$1,820,000 plus GST to Waka Kotahi. The application is expected to be approved by April 2022
- 4.2 Waka Kotahi funding rules offer local authorities extra subsidy once the estimated cost of the annual total for Emergency Work exceeds 10% of the approved Maintenance and Renewal Programme. This means that most of the cost for this event would be subsidised at the normal Financial Assistance Rate (FAR) of 65%, and some could be funded at an advanced Financial Assistance Rate of 85%.

**ITEM 9.1**

- 4.3 It would be prudent to assume a FAR rate of 65%. This would make the expected local share cost \$637,000 plus GST.
- 4.4 Due to disruptions in the supply chain that resulted from the Governments Covid Restrictions, and the shortage of resources, Rangitikei District Councils Maintenance and Renewals budgets will be under expended for 2021-22 Financial Year. There is a possibility that some of the Emergency Works Costs could be absorbed within existing budgets.

**Recommendation 1**

That the report 'Funding of local share of 13 December 2021 Weather Event – Damage to Road Network' be received.

**Recommendation 2**

That the Council approves additional expenditure of up to \$1,820,000 (plus GST) for roading emergency works.

AND

That the Council notes that a minimum of 65% of this cost, being \$1,183,000 (plus GST), will be funded by Waka Kotahi. The remaining local share of 35%, being \$637,000 (plus GST), will be unbudgeted expenditure.

**9.2 Funding of local share of 12 February 2022 Weather Event – Damage to Road Network****Author:** Philip Gifford, Projects Engineer**Authoriser:** Arno Benadie, Chief Operating Officer**1. Reason for Report**

- 1.1 On the 12 February 2022 District Road Network was impacted by Cyclone Dovi. The intensive rainfall caused many slips in the Turakina Valley, Watershed Road area of the district. The purpose of this report is to seek formal approval of Council local share funding for the proportion of the cost that will not be funded by Waka Kotahi NZTA.

**2. Context**

- 2.1 Cyclone Dovi (Saturday 12th and Sunday 13th February 2022) caused flooding at numerous locations, particularly in the lower lying southern parts of the district.
- 2.2 Extraordinary damage in the form of numerous slips occurred in the hill county directly above Turakina and Marton. This localised area includes Okirae Road, Ohaumoko Road, Turakina Valley Road, Watershed Road, and Kie Kie Roads.
- 2.3 The response phase slip removal work has been completed. The scoping of two more significant recovery sites is underway.
- 2.4 Rangitikei District Council applied to Waka Kotahi for Emergency Works funding based on a total estimated repair cost of \$341,000.
- 2.5 This report seeks approval of the local cost that will not be funded by Waka Kotahi.

**3. Discussion and Options Considered**

- 3.1 The objective is to reinstate the network to its previous condition without making any improvements or omitting any necessary repair work. Hence no options apart from repairing like with like have been considered.

**4. Financial Implications**

- 4.1 The Council have made an application for funding based on a total event cost of \$341,000 plus GST to Waka Kotahi. The application is expected to be approved by April 2022
- 4.2 Waka Kotahi funding rules offer local authorities extra subsidy once the estimated cost of the annual total for Emergency Work exceeds 10% of the approved Maintenance and Renewal Programme. As Council have already made a claim for the weather event in December (named "13 December 2021 Weather Event"), the cost of the event will be funded at the advanced Financial Assistance Rate of 85%.
- 4.3 On the basis that the advance FAR rate of 85% will apply, the expected local share cost will be \$51,150 plus GST.
- 4.4 Due to disruptions in the supply chain that resulted from the Governments Covid Restrictions, and the shortage of resources, Rangitikei District Councils Maintenance and Renewals budgets will be under expended for 2021-22 Financial Year. There is a

possibility that some of the Emergency Works Costs could be absorbed within existing budgets.

**Recommendation 1**

That the report 'Funding of local share of 12 February 2022 Weather Event – Damage to Road Network' be received.

**Recommendation 2**

That Council approves additional expenditure of up to \$341,000 (plus GST) for roading emergency works.

AND

That Council notes that a minimum of 85% of this cost, being \$289,850 (plus GST), will be funded by Waka Kotahi. The remaining local share of 15%, being \$51,150 (plus GST), will be unbudgeted expenditure.

## 10 Reports for Information

### 10.1 Assets and Infrastructure Report - March 2022

**Author:** Jessica McIlroy, Operations Manager

**Authoriser:** Arno Benadie, Chief Operating Officer

#### 1. Roading

##### 1.1 Emergency Works

On Monday 13th December and Tuesday 14th December 2021, a storm event occurred in the area west of Hunterville. The event was concentrated in the low-lying areas of Mangahoe Road damaging the road when floodwater used the road as the secondary flow path lifting the seal and moving the granular pavement stream. The damage was severe enough to close the road to all traffic. Mt Curl Road was closed by an over slip blocking the road. Flooding occurred in Hunterville and surrounding roads and caused varying degrees of damage. All roads are now open.

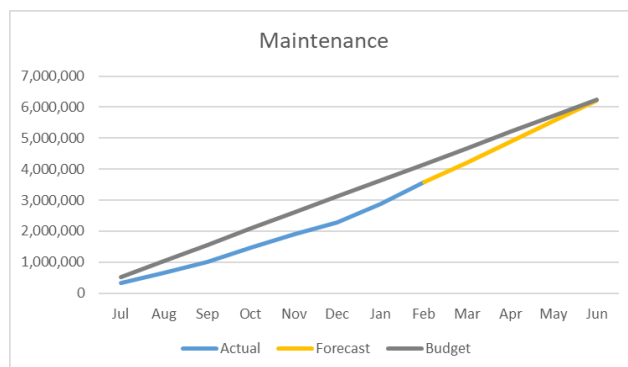
Waka Kotahi has been notified. The cost of the damage caused by the storm event is estimated to be in the order of as \$ 1,820,000. The response phase of this event is 90% complete and the work has been carried out to ascertain economical solutions and reliable costs for individual recovery phase sites. The cost of the recovery phase is estimated as \$431,000. The cost of the individual recovery phase sites is estimated as \$1,389,000. The cost of cleaning up and reconstructing the scoured carriageway along Mangahoe Road makes up almost \$900,000 of this cost.

On Saturday 12 February 2022 another severe weather event occurred caused by Cyclone Dovi. The intensive rainfall caused many slips in the Turakina Valley, Watershed Road area of the district. An additional report with more information on this event is contained in the order papers for the April 2022 Assets and Infrastructure committee meeting.

##### 1.2 Maintenance

This work provides for the routine care of sealed pavements to maintain their structural integrity and serviceability.

Expenditure is slightly under the straight line forecast. This is normal as structural repairs are generally not carried out during the wet winter months.



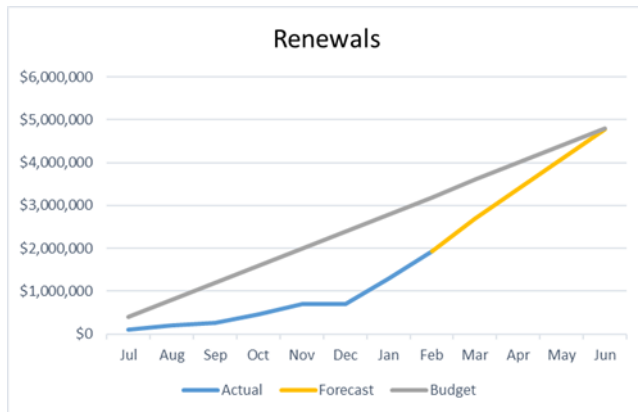
1.3 Renewals

This work provides for non-routine planned periodic renewal of sealed and unsealed road pavements, drainage, and structures.

Sealed Road Pavement Rehabilitation provides for the replacement or restoration of strength to sealed pavements where other forms of maintenance and renewal are no longer economic.

Expenditure to date has been on design work. Construction is programmed to start in January 2022. This expenditure line follows a distinct 'S' curve and will be above the average line during March, April, May.

50 km of reseals are programmed, 27km have been completed.



**Rehabilitation:**

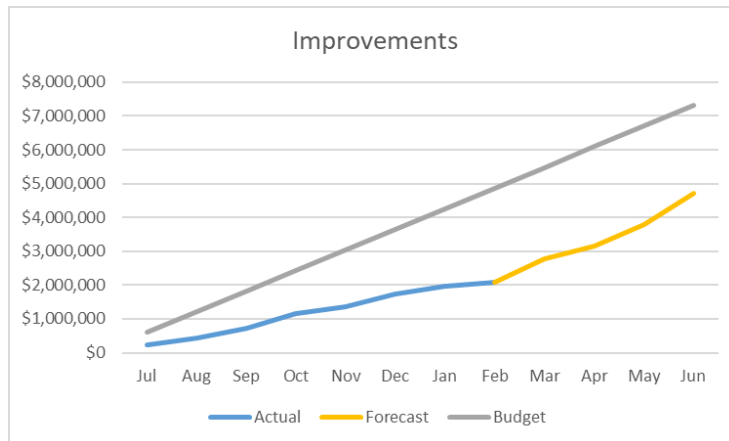
Location	Start	Finish	Comments
Pukepapa Rd RP 3280-3583 Length 303m	Apr 2022	May 2022	Design complete. Construction is programmed to commence in April.
Santoft Road RP 8010-8410 Length 400m	May 2022	Jun 2022	Design complete. Construction is programmed to commence in May.
Santoft Road RP 6000-7500 Length 1500m	May 2022	Jun 2022	Design complete. Construction is programmed to commence in May.
Ruatangata RP230-525 Length 175m (reserve project)	TBC	TBC	Draft design is complete. Reserve Project. This site has become a reserve project for this year's programme due to the inclusion of Santoft Road RP 6000-7500.

**Structural Component Replacement:**

Location	Start	Finish	Comments
Makirikiri Road Crofton - waterproof joints/Deck and resurface	Apr-22	Apr-22	Construction due to start in early April
Kensington Road - waterproof joints/Deck and resurface	Deferred to 22/23	Deferred to 22/23	Deferred to 22/23 to be in sync with the repair programme for the adjacent road section.
Calico Line - replace/support to slumped wing walls	Mar-22	May-22	
Aldworth Road - replace gabions under bridge	Mar-22	May-22	
Pukerua Road - support to slumped wing walls	Feb-22	Apr-23	Work staged over two years
Turakina Valley Road 3 Colliers Junction - replacement of retaining wall and support of slumping fill	Jan-22	Feb-22	Construction underway
Turakina Valley Road 2 - replacement of retaining wall	Oct-21	Nov-21	Complete
Parewanui Road - reinstatement of retaining wall	Oct-21	Nov-21	Complete
Bruce Road Omaha Bridge - reinstatement of retaining walls	Oct-21	Nov-21	Complete
Network bridge corrosion assessment	Nov-21	Jun-22	Assessment to provide costs and prioritised programme
Special Inspections/Assessments/Investigations	Oct-21	Jun-22	Professional Services

1.4 Road Improvements

This work category provides for improvements to or upgrading of existing roads within the existing or widened road reserve.



**Low cost, low risk roading improvements:** This work category provides for the construction / implementation of low-cost, low-risk improvements to the transport system.

Expenditure to date has been on design work. Construction started in January 2022 as programmed.

Design, and consenting issues have delayed some projects. The emergence of Omicron and Government’s Red-Light restrictions have also caused delays in the supply chain. The combination of these factors has impacted on the delivery of the Low Cost-Low Risk programme. Therefore \$2,600,000 has been deferred to years 2023-24, and 2024-25.

**Road Improvements:**

Location	Start	Finish	Comments
Koukoupou Road - Koukoupou No2 (RP2.887)	Deferred to 22/23	Deferred to 22/23	Seal bridge approaches. Resources diverted to flood damage work.
Tiriraukawa Road – Mangaone (RP11.904)	Deferred to 22/23	Deferred to 22/23	Seal bridge approaches. Resources diverted to flood damage work.
Gleesons Road - Ben Nevis (RP0.050) Seal Bridge Approaches	Oct-21	Nov 21	Complete.
Waikakahi Road – Birds Bridge (RP1.155)	Deferred to 22/23	Deferred to 22/23	Seal bridge approaches. Resources diverted to flood damage work.
Parewanui Road	Feb-22	Apr-23	Improve curve geometry and widen road formation.



(RP3.500-4.100)			Draft design completed. Requires land entry and resource consent.  Draft design completed. Requires land entry, re-establishing contact with landowners Feb 22.  Then submit an application for a resource consent for the works Apr - 22.  Anticipate construction May 22-Apr 23.
Taihape Napier Road 1&2 (RP – various)	Feb-22	Apr-22	Intersection sealing
Whaka Road (RP various)	Feb-22	Apr-22	Construction complete
Ruahine / Cage Road (RP0.350 – 0.600) Retreat the road back from high bluff.	July-22	Jun-23	Design complete. Locating a fill site is proving to be a problem, and RMA consent is required.
Makirikiri Road (RP13.190 – 13.340)	Feb-22	May-22	Schultz Bridge, install compliant guardrail
Turakina Valley Road 2 / Mangatipona Rd Intersection. (RP17.202-17.322) Retreat road away from unsafe corner at intersection.	Jan-21	Apr-22	Complete end of Mar 22, 5 weeks ahead of programme
Mt Curl Road (RP5.087-6.001)	Feb-22	Apr-22	Curve geometry improvements
Swan Street: New footpath, kerb and channel and road safety barrier RP(0.090-0.140)	Feb-22	Feb-22	Construction completed
Turakina Valley Road-3 (RP5.998-640)	Feb-22	May-22	Installing compliant guardrail
Ruanui Road (RP0.936-1.478)	Sep-21	Jun-22	Improve geometry and widen the road formation. Legalise road that is on DOC land. Discussing with DOC regarding

## ITEM 10.1

			legalising the road. WSP will be completing the Resource Consent. Design is completed.
Parewanui Road – seal widening (RP7500-8300)	Feb-22	Mar-22	Seal widening. Construction is complete.
Taihape Napier Road 1 (RP3.400 – 3.550)	Jan-22	Mar-22	Widen road opposite a previous under slip.
Wanganui Road (RP3.080-3.480)	Apr-22	May-22	Williamsons Line RTB. Survey complete, and draft design underway. Requires land entry.
Turakina Valley Road 3. RP 2.050-3.785. improve geometry, repair deteriorated pavement, guardrail installation	Feb-22	Jun-24	Design is complete. Awaiting land acquisition. Construction is likely to be spread over 2 summers.
Spooners Hill Road Stage 1 (RP10.990-11.775). Safety improvements	TBC	TBC	Design underway. Physical works in 2022-23
Marton School / Hereford Street. Safety footpath and foot bridge	TBC	TBC	A draft design has been completed. This project will require RMA and Iwi consent.
Nga Tawa Rd: Marumaru St Marton to Nga Tawa School walking and cycling shared pathway.	TBC	TBC	Design underway

**Resilience improvements:** This work category provides for non-routine work to protect the following from damage.

Location	Start	Finish	Comments
Okirae Road RP 1.600 – 1.900: Installation of extra culverts to protect slip sites.	Feb-22	Apr-22	
Mortons Road RP 0.010 – 0.041: Stabilise abutment to Puketoi Bridge	Nov-21	Jun-22	Investigation Phase

Rangitane Road RP 0.693 – 3.696: Installation of extra culverts to protect slip sites.	Feb-22	Apr-22	
Pohonui Road RP 8.814-6.787: Installation of extra culverts to protect slip sites.	Sep-21	Apr-22	30% complete
Kilkern Road RP 1.665 – 1.805: Fill deep drains with rock	Nov-21	Apr-22	5% complete
Okirae Road RP 1.600 – 1.900: Scaling of Bluffs to remove hazardous material.	Feb-22	Jun-22	
Various Roads: Multi plate and light weight culvert invert repair	Nov-21	Mar-23	Design Process underway
Abattoir Road RP 0.614 – 0.642: Train stream away from bridge and place rock	Jan-22	Jun-22	RMA & Iwi Consent required
Various locations: Stream channel rock protection	Dec-21	Mar-22	Inspection, design and estimating. 40% complete Construction prog for Feb-Mar 22

**Road to Zero:** This work category provides for the construction / implementation of high priority low-cost, low-risk improvements to the transport system.

Safer Journeys for Schools			
Marton School / Hereford Street, active signage	Feb-22	Jun-22	Liaising with WSP to design
Rangitikei College / Bredins Line, active signage	Feb-22	Jun-22	Liaising with WSP to design
James Cook Primary School / Mill St, active signage	Feb-22	Jun-22	Liaising with WSP to design
St Matthews School / Russell Street. active signage	Feb-22	Jun-22	Liaising with WSP to design
Road Corridor & Intersection Safety			
Spooners Hill Road, safety barrier RP 11.347-11.631	TBC	TBC	Design underway. Physical works in 2022-23

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Ratana Road; safety barrier RP 0.870-1.100	Sep-21	Sep-21	Complete
Speed Management (Urban)			
Ratana RP 1.552-1.845 Reduce speed limit from 50kph to 40kph	Oct-21	Mar-22	WSP. Site visits complete Complete plans 10% Consult with Community Board and Council. Obtain Waka Kotahi approval. Erect signs Mar-22.
Speed Management (Rural)			
Ratana Road RP 0.020-1.552 Reduce speed limit from 100kph to 80kph or 60kph	Oct-21	May-22	WSP. Site visits complete Complete plans 10%. Consult with Community Board and Council. Obtain Waka Kotahi approval. Erect signs May-22
Taihape Napier Road Speed limit review as recommended by Corridor Management Plan.	Oct-21	May-22	WSP. Site visits complete Complete plans 10%. Consult with Council. Obtain Waka Kotahi approval. Erect signs May-22

**Footpath Programme**

Location	Start	Finish	Comments
Toia St – Footpath & K&C	Apr-22	May-22	Late starting due to resources working on flood repair work. This is due to start Apr-22
Hair St – Footpath & K&C	Apr-22	May-22	Late starting due to resources working on flood repair work. This is due to start Apr-22

1.5 Unsubsidised Construction

Urban Unsubsidised construction

Location	Start	Finish	Comments
Investigate sealing Cobber Kain Ave, Memorial Hall and playground carpark: Design of upgrade and part 1 of construction.	Nov-21	May-22	Draft geometric design is complete

Rural Unsubsidised construction

Location	Start	Finish	Comments
Mt Curl Road seal extension	Mar-22	Jun-22	Sealing the route in 2 parts
Industrial subdivision, between Makirikiri Road and Wings Line	TBC	TBC	Contingency funding for possible work in the road corridor associated with the Marton Hub Development

1.6 Other Projects

**Mangaweka Bridge**


**Construction Progress to 28 February 2022 :**

- Complete work for approach roads on the eastern and western side
- Stockyard access road completed except fencing and gate
- Complete Manufacturing guard rails for the road approaches
- Install guard rail – Mangaweka side
- Scour protection around existing bridge
- Scour protection work around the new bridge piers
- Seal bridge deck
- Finish shute drainage channel installation
- Complete manufacturing the new handrail system for the existing bridge

**Construction Programme for Next Month Ending March 2022:**

- Progress planning for shifting traffic to the new bridge and formal opening.

1.7 Health and Safety

 <span style="float: right;"><b>HIGGINS</b> showing the way</span>		<b>RDC - ZERO HARM REPORTING</b>											
LEAD INDICATORS		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Type	Explanation												
Drug and Alcohol Tests	LEAD: Total number of drug and alcohol tests completed in the period for pre-employment	4	3	3	2	3	2	2	3				
Positive Drug and Alcohol Tests	The total number of positive Drug and Alcohol test results in the period	0	0	0	0	0	0	0	0				
Site H&S Conversations	The total number of site H&S Conversations completed in the period by Contractors or site	4	2	5	4	3	4	3	2				
Site Health and Safety Audits	The total number of site Health and Safety Audits completed in the period by the	6	3	2	6	5	4	3	2				
Safety Briefing	The total number of Safety Briefings completed in the month including pre-starts, toolbox	4	2	4	4	5	3	4	3				
Near Miss (Close call)	The total number of Near Misses submitted in the month by the site team	0	0	0	0	0	0	0	0				
Traffic Management Inspection	Total number of audits completed by the designated Site Traffic Manager Supervisor	0	0	0	0	0	0	0	0				
Sub Contractor Review	Number of Sub Contract Reviews completed by the main Contractor in the period	0	0	0	0	0	0	0	0				
Stop Work Action	The number of occasions when work is suspended proactively due to a member of the	0	0	0	0	0	0	0	0				
Positive Reinforcement	The number of occasions the site team have been congratulated of a proactive action or	0	0	0	0	0	0	0	0				
LAG INDICATORS		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
Type	Explanation												
Fatal Injuries	Any incidents resulting the loss of life of a transport agency, contractor or Sub Contractor	0	0	0	0	0	0	0	0				
Notifiable Injuries	Any incident required under H&S Legislation to be reported to a Statutory Authority e.g. Worksafe	0	0	0	0	0	0	0	0				
Lost Time Injuries	Any work related injury or illness certified by a Medical Practitioner and compensable under	0	0	0	0	0	0	0	0				
Medical Treatment Injuries	The Management and care of a patient to effect Medical Treatment or combat disease or	0	0	0	0	0	0	0	0				
First Aid Injuries	Treatment administered by and within the qualifications of a trained first aid attendant or	0	0	0	0	0	0	0	0				
Recordable Injuries	NO NOT COMPLETE	0	0	0	0	0	0	0	0				
Serious Environmental Incidents	Environmental controls absent or construction of a device is so poor that it is likely to or has led	0	0	0	0	0	0	0	0				
Service Strikes	Contact with an above ground or buried service resulting in damage or potential damage to the	0	0	0	0	0	0	0	0				
Property Damage	Contact with third party property resulting in damage	0	0	0	0	0	0	0	0				

## 2. Utilities Budgets

RDC 3 Waters Projects 21-22FY as at 28 February 2022					
Project	GL	Project Budget	Spend to date	%	Notes
<b>WASTEWATER</b>					
<b>Sewerage Renewals</b>					
Wastewater Reticulation Renewals	6070176204	500,004	44,895	9%	This funding is being used for the wastewater line replacement at the back of Wellington Road. Design engaged with WSP who have suggested an alternative route, flow analysis data has been sent to WSP for feasibility study to be done. A report will be received in March 2022 to recommend whether to proceed with an alternative alignment, or to proceed with the pipe bridge renewal.
Wastewater Treatment Renewals	6070176205	500,000	62,191	12%	Project to be confirmed
Ratana Complete Upgrade	6070177111	500,000	74,747	15%	
<b>Sewerage Renewals Total</b>		<b>1,500,004</b>	<b>181,833</b>	<b>12%</b>	
<b>Sewerage New Works</b>					
Papakai Pump Station Diversion project	6070177109	1,200,000	87,745	7%	Detailed design for the rising main has been received and is being priced by Fulton Hogan. The pump station detailed design is due in March 2022, and will be priced by Fulton Hogan also. Recommendations to Council for construction of these two portions of work will be made following the conclusion of procurement negotiations.
Marion to Bulls Centralisation Project	6070177110	5,300,000	-	0%	Design of new plant will occur next financial year
WW Centralisation Marion-Bulls project	6070176206	1,200,000	2,755,922	230%	Pipeline is in construction and due to complete before 30 June 2022
Land Purchase	6070176207	1,200,000	-	0%	Land purchase has been deferred to next financial year
<b>Sewerage New Works Total</b>		<b>8,900,000</b>	<b>2,843,667</b>	<b>32%</b>	
<b>Wastewater Total</b>		<b>10,400,004</b>	<b>3,025,500</b>	<b>29%</b>	

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RDC 3 Waters Projects 21-22FY as at 28 February 2022					
Project	GL	Project Budget	Spend to date	%	Notes
<b>STORMWATER</b>					
<b>Stormwater Drainage Renewals</b>					
George Street Stormwater Renewal	6050177202	300,000	4,200	1%	
Bulls Stormwater Upgrades	6050177204	200,000	4,400	2%	
<b>Stormwater Drainage Renewals Total</b>		<b>500,000</b>	<b>8,600</b>	<b>2%</b>	
<b>Stormwater Drainage New Works</b>					
Stormwater Reticulation	6050177363	100,000	17,747	18%	
<b>Stormwater Drainage New Works Total</b>		<b>100,000</b>	<b>17,747</b>	<b>18%</b>	
<b>Stormwater Total</b>		<b>600,000</b>	<b>26,347</b>	<b>4%</b>	



RDC 3 Waters Projects 21-22FY as at 28 February 2022					
Project	GL	Project Budget	Spend to date	%	Notes
<b>WATER SUPPLY</b>					
<b>Water Supply Renewals</b>					
Taihape raw water falling main	6060176324	200,004	2,468	1%	RDC have commissioned a peer review of the recommended option, to ensure consistency between work on the falling main and intake structure.
Water Supply Renewals	6060176401	250,000	130	0%	A watermain renewal has been identified in Mataroa Rd, Taihape. The design for this will be produced in 21-22 to enable construction in 22-23.
Erewhon Reticulation	6061676201	120,000	-	0%	Scope of works for 21-22 financial year being scoped with the Erewhon Rural Water Scheme Committee
<b>Water Supply Renewals Total</b>		<b>570,004</b>	<b>2,599</b>	<b>0%</b>	
<b>Water Supply New Works</b>					
Water New Plant	6060174501	500,000	43,215	9%	
Hunterville Treatment Contractor	6060777301	300,000	-	0%	Install permanent markers on site where pipeline has been surveyed.
Marion New Bore	6060174503	1,000,000	70,159	7%	A recommendation has been made to drill a bore at the Marton Dams site, following the receipt of hydrogeological advice. A request for tender will be issued following receipt of specialist technical advise. Subject to tendering, it is anticipated that drilling will be able to commence on site during 21-22, or early 22-23.
Marion Treatment Plant Detailed Design	6060174501	400,000	43,215	11%	
<b>Water Supply New Works Total</b>		<b>2,200,000</b>	<b>156,589</b>	<b>7%</b>	
<b>Water Supply Total</b>		<b>2,770,004</b>	<b>159,188</b>	<b>6%</b>	
<b>Three Waters Total</b>		<b>13,770,008</b>	<b>3,211,035</b>	<b>23%</b>	

### 3. Water Supply

#### 3.1 Water Supply Consent Compliance

Table 1 shows the compliance of each water supply scheme against consent conditions. Only those schemes for which Rangitikei District Council (RDC) is the consent holder have been shown.

RDC is authorised to abstract surface water and groundwater to provide water for eight water schemes. The associated limits for seven of these abstractions were complied with for the duration of February 2022 (see Table 1 for details).

*Table 1: Consent Compliance Abstraction – Water Supply (water-abstraction 1 February – 28 February 2022)*

Scheme	Compliance December 2021	Comments	Actions
Marton	Compliant		No action required
Taihape	Non Compliant	Current infrastructure is preventing council from complying with abstraction limits.	Waiting on suppliers to complete upgrade. Expect to be completed prior to the end of May. COVID has significantly disrupted supply chains from overseas.
Bulls	Compliant		No action required
Mangaweka	Compliant		No action required
Ratana	Compliant		No action required
Erewhon Rural	Compliant	Metering issues are not currently causing compliance issues but if not addressed will become a problem.	Investigate meter
Huntermville Rural	Compliant		No action required
Omatane Rural	Compliant		No action required

#### 3.2 Drinking Water Standards Compliance

Table 2 shows the Drinking-Water Standards for New Zealand 2005 (Revised 2018) have been used to assess the six potable water schemes. As can be seen from Table 2 below, not all six treatment plants were compliant with the bacteria and protozoa requirements.

Table 2: DWSNZ Compliance (1 February – 28 February 2022)

Scheme	Compliance February 2022 – Bacteria	Compliance February 2022 – Protozoa
Marton	Bacteria /E-coli Compliant : Not Detected	Protozoa/ UVT Achieved <95% validation Compliant : 96.17 %
	Bacteriological and protozoa compliant.	
Taihape	Bacteria /E-coli Compliant : Not Detected	Protozoa/ UVT - Not Achieved <95% validation Non -Compliant: Due to 49 minutes of spikes
	Bacteriological compliant. Protozoa non-compliant	
Bulls	Bacteria /E-coli Compliant : Not Detected	Protozoa/ UVT Achieved <95% validation Compliant : 100 %
	Bacteriological and Protozoa compliant.	
Mangaweka	Bacteria /E-coli Compliant : Not Detected	Protozoa/ UVT Not Achieved <95% validation Compliant: 99.98 %
	Bacteriological and Protozoa compliant	
Ratana	Bacteria/E-coli Compliant : Not Detected	Protozoa Not Applicable - Secure Bore
	Bacterial and protozoa compliant.	
Hunterville Urban	Bacteria /E-coli Compliant : Not Detected	Protozoa/UVT Not Achieved < 95% validation Compliant : 99.96%
	Bacterial and Protozoa compliant.	

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Drinking water was safe to drink for the month of February 2022.

The Water Services Act 2021 gained Royal Assent on 4 October 2021. All existing schemes have been registered with Taumata Arowai, who became the new drinking water regulator on 15 November 2021.

Drinking-water Standards for New Zealand 2005 (Revised 2018) will be the operative standard until 30 June 2022. New Drinking Water Quality Assurance Rules are predicted to come into effect from 1 July 2022. Consultation on the new draft rules was open until 28 March 2022.

#### 4. Wastewater

RDC have seven discharge consents, of which two were fully compliant for the duration of February 2022 (See below tables for details).

A Land purchase agreement for land intended to be used for the disposal of treated wastewater from the Ratana WWTP was finalised in September.

Table 3: Consent Compliance Legend – Wastewater Treatment Plants

	No sample
	Compliant
	Exceeding a limit due to upstream concentrations

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	Non-Compliant
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## Marton WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July			BOD <sub>5</sub>	2021 Macroinvertebrate survey completed.  Environmental exceedances will be addressed through the WSP re-consenting programme, which is scheduled to be completed prior to 31 December 2023
Aug				
September			BOD <sub>5</sub>	
October				
November				
December				
January				
February				

## Taihape WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July				Volume and environmental exceedances will be addressed through the WSP re-consenting programme which is scheduled to be completed prior to 1 July 2023
Aug				
September				
October			DRP, Cooper & Zinc	
November				
December	29 days		VSS, E.coli,	
January				
February	23 days		Aluminium	

## Bulls WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July	24 days			Volume and environmental exceedances will be addressed through the WSP re-consenting programme, which is scheduled to be completed prior to 31 December 2023
August	Whole month			
September	26 days	Ammonia, BOD <sub>5</sub> , & DRP		
October	18 days			
November				
December	24 days			
January				
February	16 days			

## Mangaweka WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July				
Aug				
September				
October				

November				
December				
January				
February	4 days due to rain events			

Hunterville WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July	6 days	DRP & E.coli		Volume and effluent exceedances will be addressed through the WSP re-consenting programme.
Aug	11 days	BOD, DRP & E.coli	Volatile Suspended Solids upstream	
September	23 days			
October	16 Days	DRP		
November	10 days			
December	12 days			
January				
February	9 days due to rainfall events			

Ratana WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July	18 days			WSP are co-ordinating the re-consenting and treatment upgrade to ensure volume and effluent exceedances are addressed. Land purchased, 1 <sup>st</sup> workshop completed. Application scheduled to be submitted in April 2022
Aug	22 days			
September	14 days	DRP		
October	12 days			
November	4 days			
December	15 days	DRP		
January				
February	10 days			

Koitiata WWTP Compliance

Month	Volume	Effluent	Environment	Comments
July				
Aug				
September				
October				
November				
December				
January				
February				

5. Solid Waste

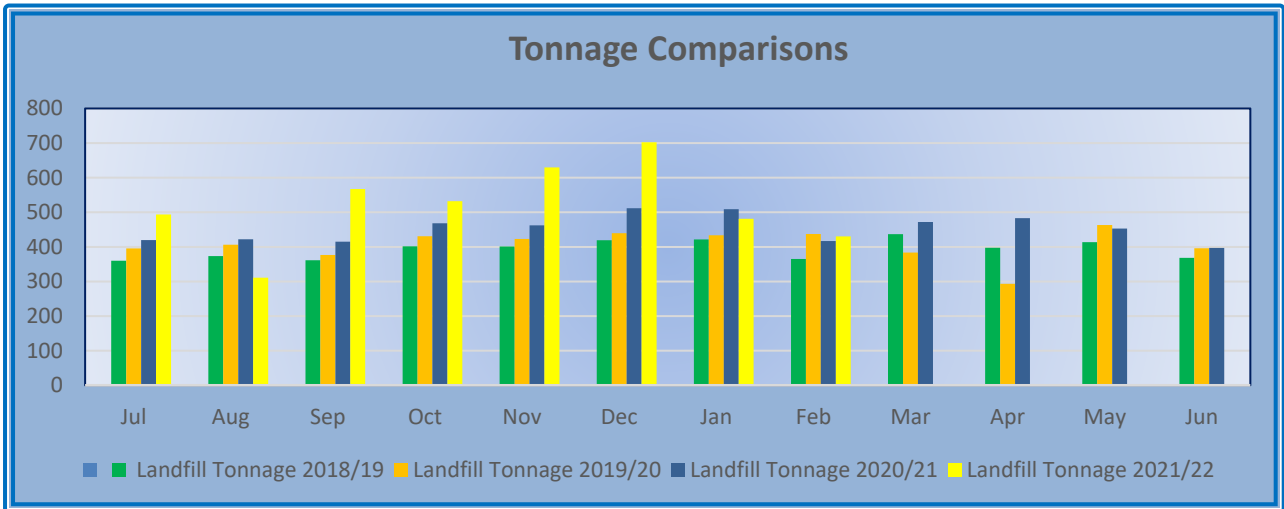
The RDC Transfer Stations are working to full capacity for Red setting.

5.1 Waste Transfer Station Monthly Trends

Monthly Waste to Landfill

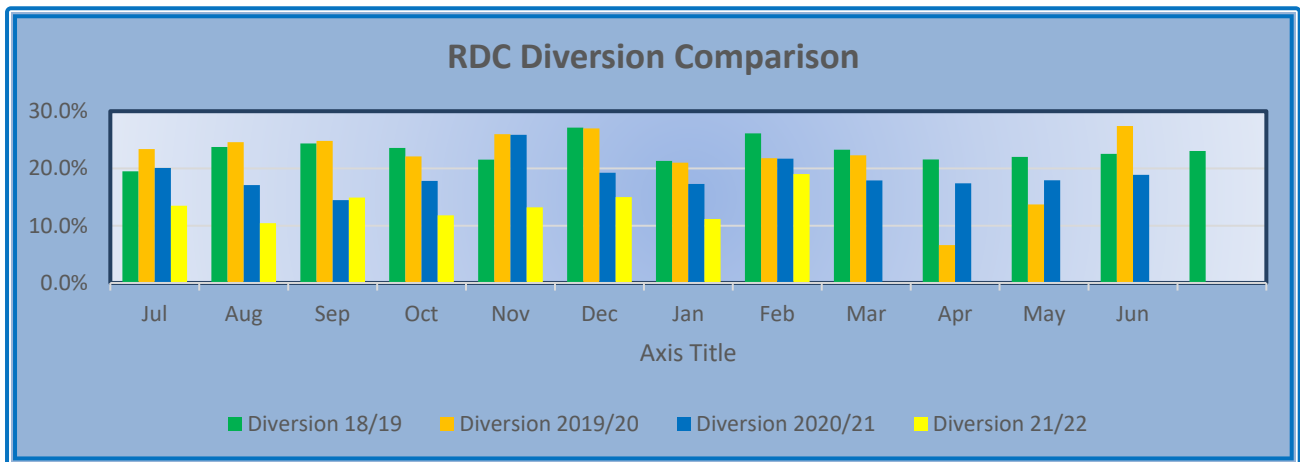
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Volumes of waste to landfill has increased as the year progressed. (2020/21 comparable month aggregate of 3600 tonnes). February 22 amount is 430 tonnes giving a year-to-date aggregate of 4150 tonnes. January and February tonnage has dropped back to normal levels.



**Diversion Comparison**

The diversion comparison measures the amount of waste diverted from the landfill for recycling or reuse. Last year the average diversion at this time of the year was 19% and this financial year the diversion rate is 13%.



**Recommendation**

That the Assets and Infrastructure Report – March 2022 be **received**.

## **11 Next Meeting**

The next Committee meeting is scheduled for 09 June 2022, at 9.30 am.

## **12 Meeting Closed**