



ASSETS AND SERVICES COMMITTEE

Agenda 9 March 2022

NOTICE OF MEETING

Under the COVID-19 RED traffic light setting, this meeting will be held via video conference and will commence at 12.30pm. All members participating via video conference will count for the purpose of the meeting quorum in accordance with clause 25B of Schedule 7 to the Local Government Act 2002. This meeting will be live-streamed and will be available to view on our [YouTube channel](#).

MEMBERSHIP OF THE COMMITTEE

Councillors Brian Jephson (Chair), Garrick Emms, Rebecca Fox, Pip Maynard, Alistair Plimmer and Mayor Alex Beijen.

Open Section

A1. Apologies

A2. Conflicts of interest

A3. Public participation

As per standing order 14.17 no debate or decisions will be made at the meeting on issues raised during the forum unless related to items already on the agenda.

A4. Actions from public participation

A5. Extraordinary business

A6. Minutes for Confirmation:

Pages 1-4

Proposed Resolution: *That the minutes of the Assets and Services Committee meeting held on 2 February 2022 are a true and correct record.*

B. Decision Reports

B1. None advised

C. Information and Verbal Reports from Chief Executive and Staff

- | | | |
|------------|--|-------------|
| C1. | Partnerships and Operations Water Report | Pages 5-31 |
| C2. | Partnerships and Operations Roading and Amenities Report | Pages 32-48 |
| C3. | Action Items Report | Pages 49-53 |

**ASSETS AND SERVICES COMMITTEE
Minutes from 2 February 2022**

Member's Present:	Councillors Brian Jephson (Chair), Garrick Emms, Pip Maynard, Rebecca Fox, Alistair Plimmer (until 2:20pm), and Mayor Alex Beijen (until 1:20pm).
Also in Attendance:	Cr Colin Olds (until 2:10pm), Cr Brenda West and Cr Pam Colenso.
Staff In Attendance:	Stefan Corbett (Group Manager Partnerships and Operations), Harry Wilson, (Chief Executive), Tim Langley (Roading Manager), Russell O'Leary (Group Manager Planning and Regulatory), Amanda Bradley (Policy and Governance Manager), and Suzanne Clark (Committee Advisor). Wellington Water: Jeremy McKibbin, Tim Harty, Johannes Ferreira, and Gary O'Meara.
Conduct of Business:	Due to the COVID-19 RED traffic light setting this meeting was held via video conference and live streamed to Council's YouTube channel. All members participating via video conference count for the purpose of the meeting quorum in accordance with clause 25B of Schedule 7 to the Local Government Act 2002. The meeting was held in public under the above provisions from 12:30pm to 2:34pm except where expressly noted.

Open Section

A1. Apologies

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/01) to receive apologies for leaving early from Mayor Beijen and Cr Plimmer.

(Moved Cr Fox/Seconded Cr Maynard)

Carried

A2. Conflicts of Interest

There were no conflicts of interest declared.

A3. Public Participation

There was no public participation.

DISCLAIMER

Until confirmed as a true and correct record, at a subsequent meeting, the minutes of this meeting should not be relied on as to their correctness

Page 1

A4. Actions from Public Participation

There were no actions from public participation.

A5. Extraordinary Business

There was no extraordinary business.

A6. Minutes for Confirmation

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/02) that the minutes of the Assets and Services Committee meeting held on 15 December 2021 are a true and correct record.

(Moved Cr Plimmer/Seconded Cr Emms)

Carried

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/03) that the public excluded minutes of the Assets and Services Committee meeting held on 15 December 2021 are a true and correct record.

(Moved Cr Jephson/Seconded Mayor Beijen)

Carried

B Decision Reports

B1. Tauherenikau River Crossing Water Pipeline Repair

Mr Wilson, Wellington Water staff and Mr Corbett answered members' questions on how long the pipe had been exposed, the timeframe to immediately protect the pipe, the consenting process, the durability of Option 2 and acknowledgement that works may need to be repeated before a final solution had been implemented, the impact of clean-up and additional costs associated with Option 3, level of contingency included in the budget, the existing weir in the river and mitigation of effects, monitoring, affordability, location of contingency plan emergency tankers, contractor readiness, and the financial impact of the various repair options.

Mayor Beijen left the meeting at 1:20pm.

Wellington Water undertook to organise a site visit for elected members.

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/04):

1. To receive the Tauherenikau River Crossing Water Pipeline Repair.

(Moved Cr Plimmer/Seconded Cr Maynard)

Carried

2. To support the Chief Executive to initiate under delegation the processes to commence the emergency works necessary to repair the pipe.

(Moved Cr Plimmer/Seconded Cr Maynard)

Carried

3. Recommend Option 2 to Council but with some latitude to include rigid support at both ends of the pipe.

a. Option 2: Repair the water leak and refill rocks under the pipe.

(Moved Cr Jephson/Seconded Cr Fox)

Carried

4. Agrees in principle to support a longer-term option.

(Moved Cr Emms/Seconded Cr Maynard)

Carried

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Page 2

5. Action 15: Commence discussions with parties necessary to secure a long-term option for the Tauherenikau Water Pipeline; WWL & S Corbett

The meeting adjourned at 1:40pm.

The meeting reconvened at 1:48pm.

C Information and Verbal Reports from Chief Executive and Staff

C1. Water Officers' Report

Mr Corbett with support from Mr McKibbin answered members' questions on water loss and leak repairs, status of Featherston Wastewater Project and a discussion paper on the project, pH correction timeline for Waiohine Water Treatment Plant, the Greytown Smart Meter Trial and access to reporting information, delays to upgrades scheduled at Greytown Wastewater Treatment Plant, and provision of numbers alongside the narrative within the report.

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/05) to receive the Water Officers' Report.

(Moved Cr Fox/Seconded Cr Maynard)

Carried

C2. Amenities and Roothing Officers' Report

Mr Langley answered members' questions on Hinekura Road repairs and progress against the remediation plan.

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/06) to receive the Amenities and Roothing Officers' Report.

(Moved Cr Maynard/Seconded Cr Plimmer)

Carried

C3. Pedestrian Crossing Audit Report

Mr Langley answered members' questions on the frequency of repainting pedestrian crossings, use of cat's eyes and compliance with design standards, continuing discussions with Waka Kotahi about a pedestrian crossing at the north end of Greytown, and raised pedestrian crossings.

Cr Olds left the meeting at 2:10pm.

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/07) to Pedestrian Crossing Audit Report.

(Moved Cr Jephson/Seconded Cr Maynard)

Carried

Cr Plimmer left the meeting at 2:20pm.

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C4. Action Items Report

Mr Corbett answered members' questions on water race operations and regulatory compliance potential impact, and the Ecoreef Project installation timeline.

ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/08) to receive the Action Items Report.

(Moved Cr Fox/Seconded Cr Maynard)

Carried

Confirmed as a true and correct record

.....(Chair)

.....(Date)

DISCLAIMER

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Page 4

ASSETS AND SERVICES COMMITTEE

9 MARCH 2022

AGENDA ITEM C1

PARTNERSHIPS AND OPERATIONS WATER REPORT

Purpose of Report

To update Councillors on activity and progress within the three waters operations and capital projects.

Recommendations

Officers recommend that the Committee:

1. *Receive the Partnerships and Operations Water Report.*

1. Water Manager Commentary

The capital programme is tracking ahead of budget to-date and remains on target for a forecast delivery range of \$5 - \$7 million. In the capital programme we are very pleased to see the final commissioning of the Waiohine Treated Water Reservoir. This is a significant achievement for increasing the supply resilience and drinking water standards compliance for the Featherston and Greytown communities.

We also note the 1km upgraded Papawai Rd wastewater pipeline is now live and operational. This upgrade is providing an increased level of service and a reduced risk of wastewater overflows along Pah Rd, Papawai Marae and surrounding properties.

The WWL team did an excellent job of responding to the damage caused by ex-tropical cyclone Dovi across our region. Dovi inundated wastewater systems in Featherston, blocked culverts and drains causing surface flooding and slips, and damaged the Boar Bush reservoir. This was a major event with 152mm rain recorded in Wellington – the second wettest day since 1939. Long standing rain records were broken in Masterton with 122mm falling in 24 hours – the wettest day since 2009.

2. Wellington Water operational performance

The number of received service requests continues with the summer trend, as many waters leaks are reported to council. The Wellington Water reticulation crews work to prioritise these to ensure the larger leaks are addressed as priority to minimise water loss from the public network.

The heavy rain experienced in February caused a both stormwater and wastewater networks to be overwhelmed, with the number of services requests not yet shown on the dashboard below. This event also caused a spike in the number of water race service requests, due to blockages from aquatic weed causing flooding on several rural properties as well as urban Greytown.

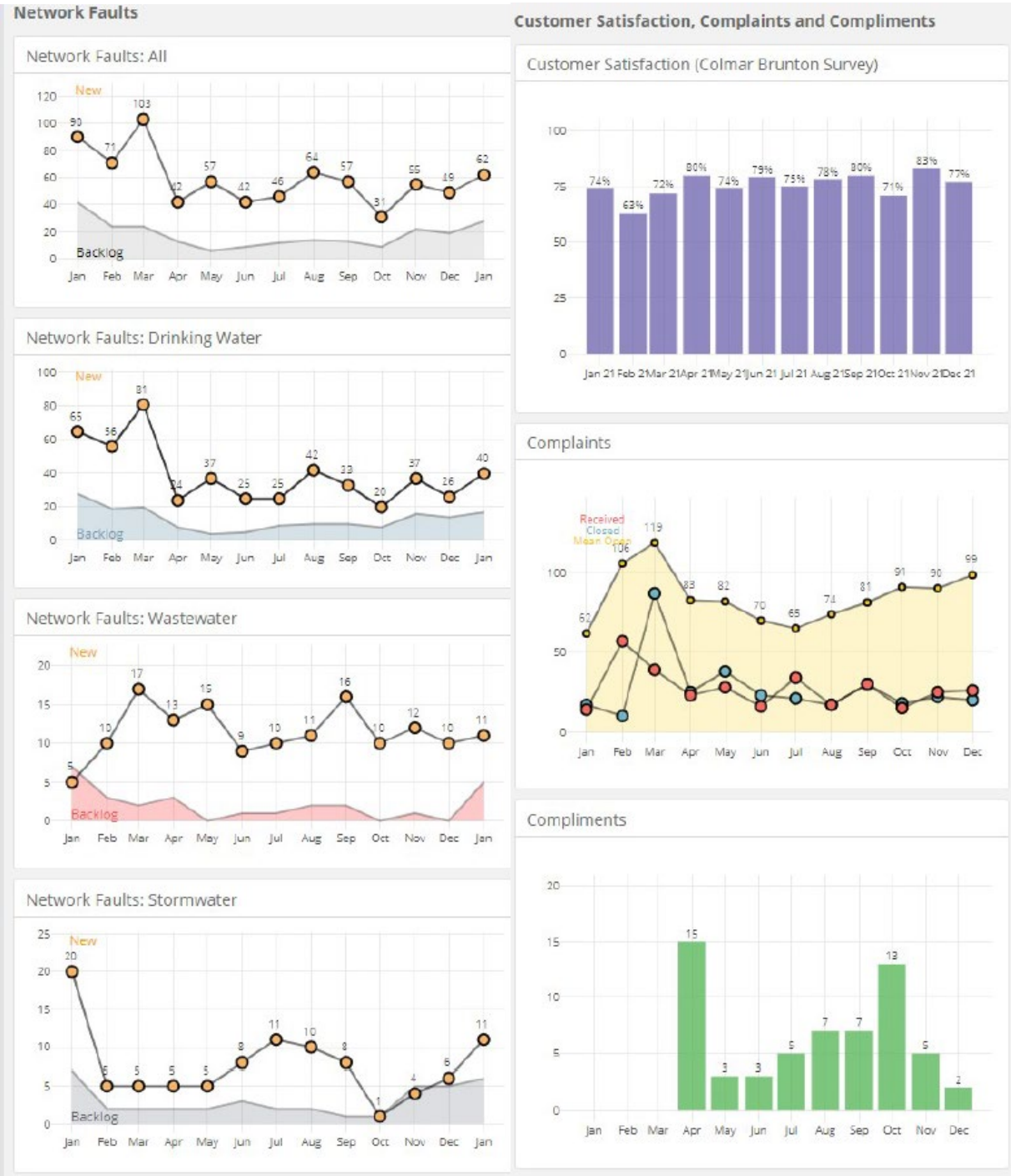


Figure 1. SWDC Customer service request dashboards, January

2.1 Operational response events

Featherston boil water notice lifted

The boil water notice for Featherston was lifted on 25 February and test results show the water is now safe to drink. Criteria for lifting the boil water notice were:

- Isolating the Boar Bush Reservoir from the rest of the Featherston drinking water network
- Flushing the water network to ensure it was clear of any contaminants
- Testing the water to confirm it was safe to drink/monitoring the network for three days to ensure the system is clear

Please refer to Boar Bush Drinking Water Reservoir Contamination Incident and Response report

Wastewater overflows in Featherston

WWL teams are working through all of the issues with the customers who have been affected by the wastewater overflows due to the recent heavy rain event. We are investigating reports of wastewater overflows affecting floors in some commercial premises plus numerous gully trap overflows on residential properties. Contractors assisted with clean-up and disinfecting of affected properties and will continue to work with the customers in an effort to resolve residual issues as they are brought to our attention.

Tauherenikau water pipeline repair

Now we have Council approvals we are progressing with the short-term repair to the pipeline and design work on options for a long term solution.

WWL has received methodology statements from both contractors that have priced for the short-term solution and they are currently being reviewed. WWL expect to award the works to one supplier shortly based on non-price attributes (methodology, relevant experience etc.). Materials needed for the job are being procured, resource consent conditions discussed with GWRC, and liaison with the landowner and other stakeholders is underway.

2.2 Reducing leakage across the South Wairarapa

Figure 4 shows night-flows have been reasonably stable over November and December, where some fluctuations were observed in Martinborough. Featherston night-flows have dropped to zero as this flow meter sits at the currently isolated Boar Bush site. Should we observe sustained increases we will seek to initiate leak detection surveying.

1-5am Nightflows

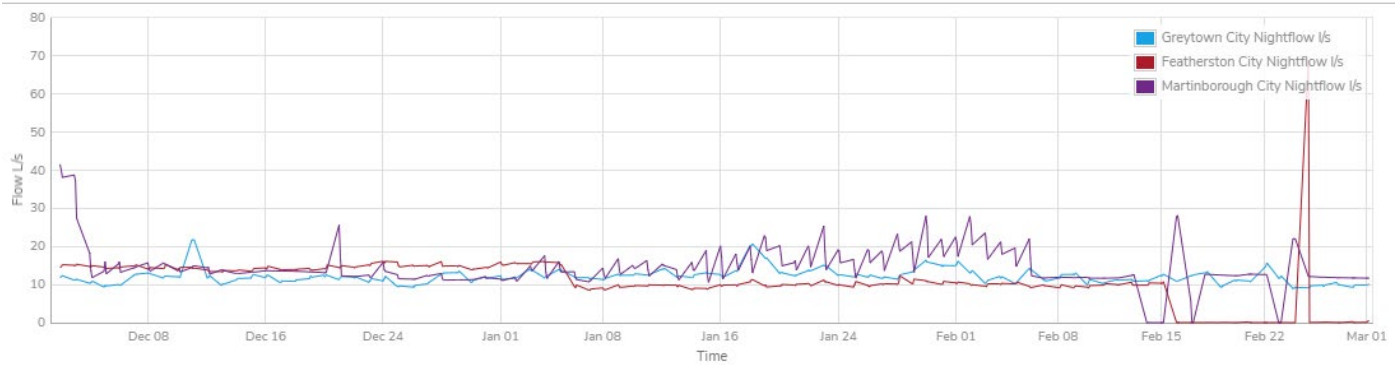


Figure 2. Night flow 3-month trend.

3. Water Capex delivery programme

3.1 Waiohine Water Treatment Plant upgrade

The Waiohine Treated Water Reservoir has been officially opened and will increase water storage for Featherston and Greytown by around five times. The reservoir was brought into service on 9 February and adds an extra 8 million litres to the existing treated water storage capacity. The commissioning of the reservoir brings an end to the project which began in 2019, although crews will remain on site to complete some minor works over the next few weeks.

The reservoir will offer much needed water supply resilience to the community, especially during the summer months. It will provide a greater level of water supply resilience for both Featherston and Greytown, particularly in the summer months when demand is high. This extra storage provides additional operational resilience to unexpected events, like the ones experienced in the last few years from storms and power cuts. It also allows the treatment plant to be taken offline when required, without impacting the delivery of safe drinking water to customers.

3.2 Fox Street Water Mains Project

When installing the new Fox Street watermain, quality assurance testing determined that some weld samples taken for destructive testing did not pass. The contractor has undertaken a thorough review of their methodology and equipment with the oversight and input of an independent pipe materials specialist. The contractor has revised their methodology, and further off-site testing of the welds undertaken using the revised methodology confirms that the contractor is now achieving the required welding standard.

The decision has been made between Wellington Water and the contractor that all the saddle connections related to the failed quality testing need to be replaced to ensure quality of the pipeline and reduce the risks of issues over the 100 year life of the pipeline.

The saddle connections replacements are planned over the coming few weeks using the revised methodology – this work will directly affect a total of 19 customers with

temporary water shut downs. Once this is complete and final reinstatement undertaken the works on Fox St will be complete. The cost of the required additional work being carried out will be covered by the contractor with no additional cost to rate payers.

As part of the communications to the residents we offered a virtual drop-in session on Monday 21 February.

3.3 Papawai Rd wastewater upgrade

The 1km upgraded Papawai Rd wastewater pipeline is now live and operational, providing an increase level of service and a reduced risk of wastewater overflows along Pah Rd, Papawai Marae and surrounding properties. This is the first stage in increasing the main outfall pipelines capacity to accommodate future growth of Greytown.

The remaining pipeline not upgraded within this financial year, has been documented and put back into Wellington Water's strategic prioritisation framework for future investment allocation.

3.4 Featherston wastewater treatment plant upgrade and consent

Wellington Water continues to work with Council Officers on a proposed shortlist of options to manage Featherston's Wastewater. Council Officers supported by WWL are progressing discussions with Councillors on the consentability and affordability of both short and long term solutions. The priority is understanding firstly what is possible on the existing site in terms of treatment options.

4. Appendices

Appendix 1 – Wellington Water Limited's SWDC Major Projects Monthly report – January 2022

Appendix 2 – Wellington Water Limited's January 2022 SWDC CAPEX Programme Update

Appendix 3 – Boar Bush Drinking Water Reservoir Contamination Incident and Response Report

Appendix 4 - Moroa and Longwood Water Races Briefing Paper

Contact Officer: Stefan Corbett, Group Manager Partnerships and Operations

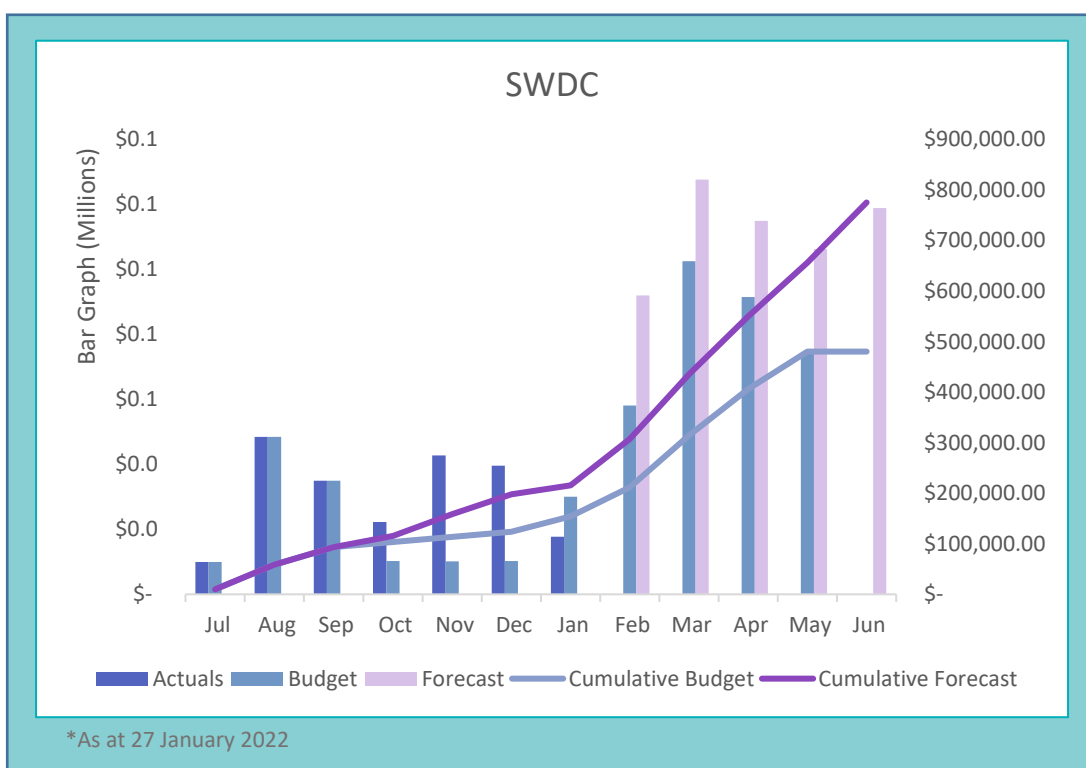
Reviewed by: Harry Wilson, CEO

Appendix 1 – Wellington Water Limited's SWDC Major Projects Monthly report –January 2022

Regional summary:

This is a volatile period and we are managing a number of significant risks, such as material and labour availability and we are very likely to have outbreaks of Covid during this period. We have made contingency plans where possible and have our policy for managing the risk of Covid across our workplaces and construction sites.

*Major Project Financial progress: Forecast; Actual, budget



Risk profile

	H,S,Q,E	Stakeh.	Risk	Finance	Prog.	Rating
Featherston WWTP Upgrade						

Project Update

Project	Objectives	Commentary
Featherston WWTP Upgrade *Priority ranking 6	Upgrade of wastewater treatment plant (WWTP) to meet likely improved discharge conditions.	<p>The project public consultation was paused in February 2021 at the request of SWDC.</p> <ul style="list-style-type: none"> WWL was requested to provide more information about the process, the consentability and the affordability of the shortlisted options for the WWTP. Three workshops have been completed with Councilors, most recently in August 2021. In response to questions raised in that workshop a paper was prepared and issued to Council Officers in December 2021 addressing the consentability and affordability of the proposed shortlist. GWRC has reminded SWDC and Wellington Water that the WWTP is operating under a historic consent and that the Section 37 extension of time on this expires on 1 February 2023. Reasonable progress towards lodging a new resource consent needs to be demonstrated. SWDC and WWL agreed an approach in December 2021 to look into options that fit the \$16m LTP budget to enable “reasonable progress” or a short-term consent. WWL have confirmed the brief with SWDC to complete an initial assessment and report back end of February 2022.

PROJECT	Cost Estimate			2020		2021				2022			
	LTP	Current	Level	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Featherston WWTP Upgrade	3m	\$0.5M	L4			Concept							

Overall Programme Summary:

The deadline date for the spend of the stimulus funding is 30 June 2022. We are still aiming to get projects complete in advance of that date, as there will be absolutely no extension beyond this date, and funding and expenditure should be finalised within the current financial year as much as possible. We will be closely managing budgets as they get close to being expended, and some funds will move between workstreams to ensure that we make maximum use of the available funding.

The quarterly report to DIA was submitted on 28 January. We will be sending funding requests out shortly to be signed by councils and DIA.

Project	Commentary	H,S, Q,E	Stak eh.	Risk	Fina nce	Prog.	Rati ng
1. Capital renewals	The construction of these watermain renewals in Fox Street in Featherston commenced as scheduled on 13 September 2021. To date 302m of 630DPE watermain and 421m of 1800DPE watermain has been completed and this has now been connected to the existing network. During regular QA some defects in the construction have been identified and the team is working with the contractor to remedy these, this is expected to be remedied by end of February/early March.	🟡	🟢	🟢	🟡	🟡	🟢
2. Asset conditions assessment	Pipe inspections: Inspection of the VHCA pressure water mains within SWDC were delayed by the impacts of COVID and have been scheduled to be complete in November 2021. Utilities inspections. The above ground reservoir inspections and assessments are complete. The reservoir conditions are generally satisfactory to poor from a structural perspective. Vulnerabilities to potential contamination were found that need to be addressed via maintenance works and these are being placed in the forward works programme as a matter of priority subject to funding availability, refer also the reference to Boar Bush below. WTP Inspections: All WTP inspections are 85% complete and work is underway planning to complete the remaining 15% of the WTP assets. The SWDC water treatment plants have been assessed to be in a moderate to poor condition.	🟢	🟢	🟡	🟢	🟡	🟡
3. Maintenance	The council's budget for Stimulus-funded Maintenance has been expended.	🟢	🟢	🟢	🟡	🟡	🟡
4. Asset management systems and processes and 5. Data and technology systems	The Business Improvement Programme has harmonised its initiatives into four core streams; Asset Management, Ready for Regulation, Data & Digital and Other (for anything that does not fit under the former. • Asset Management Stream: Certus Detailed design work programme is underway. Defining the detailed requirements to derive a strategy to achieve ISO certification and Renewals is underway with the busines and technical teams. In addition, the Wellington Water Asset Management Information system (Maximo) development environment will be provisioned (by Certus) over the December period to aid in prototyping the Workflows, Processes and Data. • Ready for Regulation & Risk/Assurance Stream: Key planning for the stream under the direction of the new Director or Regulation - Charles Barker. Integrated planning between the RFR initiatives and other streams is underway. Director of Regulation (with support from PWC) is finalising plans for the stream in December. This stream will also monitor the Backflow and WTP SOPs as they are direct interfaces into the regulatory readiness plan. • Data & Digital Stream: The Data & Digital stream has prioritised four streams of work in their roadmap: Governance and Architecture, Enabling Processes & Practices, Core Capabilities and Skills & Competencies to address the critical risks in the Data and Digital domain. Priority is the remediation of the Operational technology risk (cyber), defining what enduring cyber capability WWL needs for the future.	🟢	🟢	🟡	🟡	🟡	🟡
6. Leakage management	6.3 Proof-of-concept trial for smart household water meters to identify network or private leaks: Installation of meters and onboarding of customers is underway. There was a Greytown community engagement day on 28th November. The trial has been extended so that we continue to received data throughout 2022. The installation programme is going well and have installed 70 meters by the end of Jan	🟢	🟡	🟢	🟢	🟡	🟡
7. Water safety priorities	7.1 Reservoir Repairs – no reservoir roof maintenance is planned in SWDC 7.3 All 15 sensors have now arrived. The first 5 devices will be installed at five locations within this month. 7.4 Internal Audit: The audit work is progressing slower than planned due to the range of operational and strategic priorities the Network Management Group management team, including its frontline, is currently under. This includes the group restructure, significant plant upgrades and change initiatives related to regulatory reform. An audit at Waterloo & Gear Island WTPs and an investigation into an incident at the Waiohine WTP has been undertaken. The timeframe to complete has been extended to the end of June. The Process Writing work on Standard Operating Procedures and other documents is progressing a little slower than planned due to similar factors as above but has now picked up and should be complete in April. 7.5 Chlorine Trailer – the design has been completed and the trailer is scheduled to be manufactured by March 2022. All apparatus and equipment have been delivered, it is currently being assembled and installed within a portable trailer. The control system software is currently being designed that will be controlling the automated equipment with the chlorine trailer. The project is currently running to schedule. 7.7 Chlorine analyser for the Pirinoa WTP: work was largely completed in December to design and deliver a chlorine analyser, with another fit out scheduled for January 25th.	🟢	🟢	🟢	🟢	🟢	🟢
8. Capital projects	Boar Bush reservoir: The design of the decommissioning of the contact tank and reconfiguration of the pipework is complete, and awaiting for a revised quotation from a civil contractor; physical works expected to start in March	🟢	🟡	🟢	🟡	🟡	🟢
9. Regional Water Reform Project aka Preparation for reform (Note: this is led by councils, not by WWL)	The project to support the 9 Wellington Councils through the reforms programme had significant activity following Government announcements on 27 October that the reforms are proceeding, to ensure that councils and stakeholders understand the implications of these and the process from here. Review and analysis of this information, including workshops and council reports has been a major focus, along with trying to align with other councils in the Entity C area to support consistent information to elected members and senior staff. This included analysis of the impact on local government of the water reforms, and transition to the new water entities and systems. Collateral has been developed to help explain the reforms process, key issues and potential next steps including workshop packs, public information and sections of council reports. A joint submission to MBIE was prepared on the proposed economic regulation model on behalf of the 9 Wellington Councils and WWL. Numerous meetings have been held with Wellington region councils, councils across the entity C area, LGNZ and DIA. The Project Director has also briefed the Wellington Water Committee, the Mayoral Forum and CE Forum. The Project has continued to build relationships with DIA and the water reform leads from other regions. These help to share insights and approaches. In addition, relationships have been further developed across entity C area including the Top of the South Island and Manawatu areas. Upcoming work is likely to include: • Advice and updates to all nine Wellington councils and the Wellington Water Committee • Confirmation of any public / stakeholder engagement processes - including alignment of approach across the region • Preparation for the release of legislation • Preparation for due diligence processes - debt identification, land transfer / assets, implications for the CCO • Engagement with DIA, the National Transition Unit and the proposed working groups • Iwi / Māori engagement • Wider engagement across entity C • Change management • Policy advice on the planning and governance structures to enable local voice	🟢	🟢	🟢	🟢	🟢	🟢

Appendix 2 – Wellington Water Limited's January 2022 SWDC CAPEX Programme Update

Executive summary:

The capital delivery programme remains ahead year to date, against overall budget. This is largely driven by the wastewater projects completed in the first half the financial year. The drinking water treatment plant projects continue as the focus for the remainder of the financial year, with one final significant contract forecast for award and construction start prior to year end. Another focus remains on the potential impacts on programme delivery from covid-19. Wellington Water continues to work on the year 2 and 3 investment priorities over the next few months which will set direction for the project briefs for the remainder of the LTP. The capital programme is tracking at the mid-point of the target delivery range.

Monthly updates of significance:

Construction completed:

- Lake Ferry driplines renewal (wastewater). Practical completion waiting on final as-built information
- Greytown Memorial Park sewer renewal (wastewater). Practical completion has been received

Construction ongoing:

- Greytown Papawai Rd pipeline upgrade (wastewater). Pipeline construction upgrades have been completed. Minor valve and flow meter upgrades at WWTP forecast for completion by end of January 2022.
- Featherston Waiohine WTP treated water reservoir (water). Final commissioning activities has resumed in January and expected to be brought into service by the end of February.

Pre-construction activities:

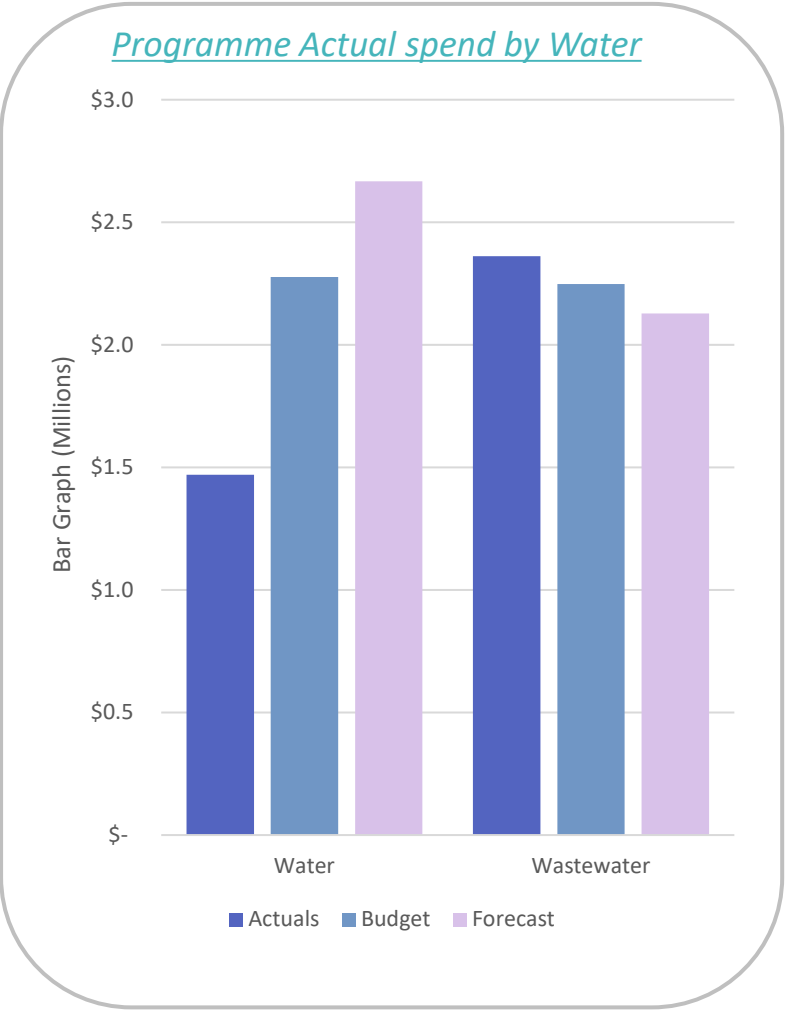
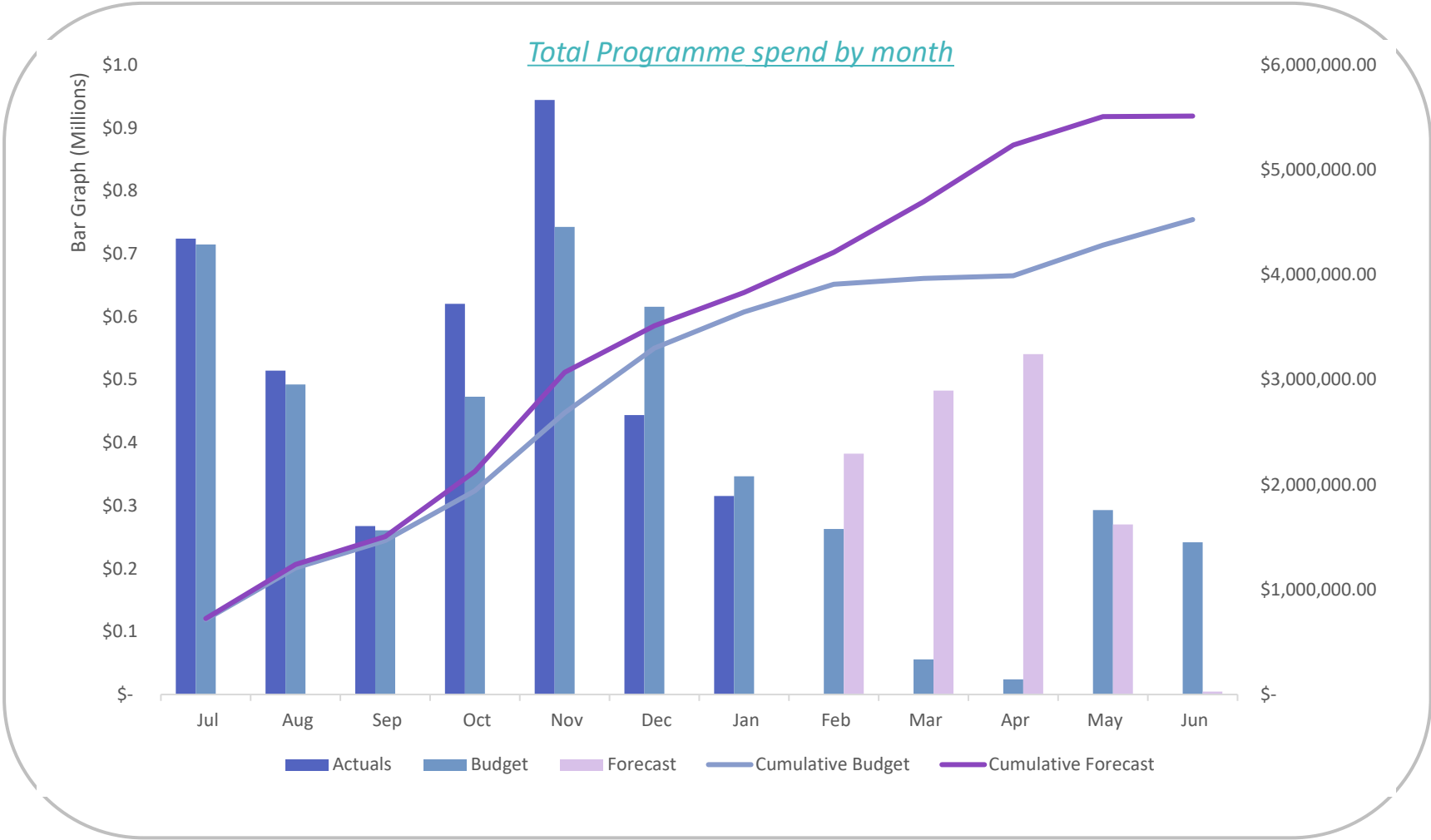
- Greytown Memorial Park WTP upgrades (water). Work continues on finalising the tender documents for RFT release in January. Construction remains currently scheduled for Q4 start onsite.
- Featherston Waiohine WTP pH dosing system upgrade (water). A preferred option recommendation has been received from project team however additional work will be required to close out the justification. Design and construction are now forecast for FY22-23.
- Featherston Donald St pump station renewal (wastewater). Detailed design is being closed out by the project team. Contract award forecast by June 2022.

Top Risks and Issues :

Risk Description	Mitigation / comments
Risk of Memorial Park bore pump failure prior to renewal, due to degrading condition resulting in supply concerns and strict water restrictions for Greytown and Featherston	Efforts have been focused on commissioning the Waiohine treated water reservoir which will provide significant storage capacity for both Greytown and Featherston. A 4th bore has been commissioned at the Waiohine WTP which provides additional supply capacity for the two townships. A contingency plan has been documented outlining the potential supply risks as project delivery for the WTP projects are ongoing. Risk expected to be closed out upon commissioning of the Waiohine reservoir Feb.
Donald Street pump station has been identified in very poor condition, which may result in pump failure requiring a temporary generator and pump system whilst an urgent renewal is undertaken	Progress continues on ensuring an efficient delivery of the capex renewal project. The WWL Operations Delivery team are aware of the current condition of the pump station and have documented a response plan in case of failure. Renewal construction forecast for summer 2022-23
Risk to delivering the year 2 & 3 LTP capex programmes due to uncertainty around which capital projects will be prioritised for delivery.	Lead indicators for activity briefs show a significant gap in the pipeline of work, not in alignment with the Wellington Water 3-year delivery model. We are working with internal Wellington Water teams to get improved visibility of the priorities so we can begin working on these projects.
Issue Description	Mitigation / Comments
A large number of additional scope items have been identified whilst delivering the Waiohine TWR commissioning project. This has caused delays in project delivery and additional funding has been required to overcome some of these challenges	Project scope has been reset to prevent scope creep and new additional items found are captured and parked to the side. A review of the additional items will be undertaken in the stage 3 upgrades, to prioritise which items are included in stage 3 scope. Updated delivery forecasting is to be provided early for visibility and transparency.
A change in construction methodology for the Papawai Rd wastewater pipeline upgrade will see the remaining scope completed at a later date	Council officers have approved the recommendation to stick within existing annual budgets, seeing a reduction in the overall pipeline upgraded. The remaining pipeline scope will be added into the prioritised list of projects for future investment. <i>This issue is now resolved and will be removed from the next report.</i>

Top Covid risks and issues:

Risk Description	Mitigation / comments
<p>As of December 2, 2021, New Zealand has moved to the COVID Traffic Light settings for all of New Zealand. This represents a change in approach from an elimination approach to a suppression approach. The whole of New Zealand moved to the RED Traffic Light Setting at 11:59 on 23 January 2022, following 9 Omicron cases confirmed in Nelson/Marlborough Region. The number of community COVID-19 cases is rising daily. We will all need to adapt to the new approach, controls and impact of COVID-19. This is likely to be disruptive to programme delivery, as well as to people's lives as we become accustomed to our 'new normal'. Note that the government may need to use localised lockdowns as well as the traffic light system going forward.</p>	<p>WWL will continue to assess the COVID-19 risk and implement the COVID-19 controls as appropriate to manage the risk. We are communicating with our supply chain whanau around expectations and approaches.</p> <p>From a construction perspective: we are following industry guidance, the CHASNZ protocols, and are encouraging people to get vaccinated, our construction panel members have all shared their COVID policies with us in a paper that was presented to the WWL Board.</p> <p>From a continuation of office-based activities perspective: The WWL main office was shut when New Zealand moved to the RED setting. We have the technology and processes we need to work from home as required.</p>
<p>Risk that the panel consultants make people redundant or reduce their working hours in response to a reduced workload across the full construction industry, reducing their ability to resource WWL projects (particularly in areas like geotechnical engineering and surveying).</p>	<p>We reviewed workload with the consultant panel. This risk has not materialised under the current outbreak.</p>
<p>Strain on Wellington Water Customer Operations Group and Network Management Group resourcing due to people being unwell or isolating. This could impact their ability to support the capital programme. There is also a risk that the capital programme contractor resources may need to be redeployed to support operations.</p>	<p>We will plan for these scenarios, and monitor the situation.</p>
Issue Description	Mitigation / Comments
<p>In August, the whole of New Zealand went into Alert Level 4 Lockdown, causing all of our Wellington Water planned works construction sites to close. This has reduced productivity and carries associated costs with responding appropriately to the health and safety risk.</p>	<p>The whole of New Zealand moved to the RED Traffic Light Setting at 11:59 on 23 January 2022. The Wellington Region had previously been at ORANGE since the 2nd December 2021. Our protocols are aligned to government requirements and the Construction Health and Safety New Zealand (CHASNZ) protocols.</p>
<p>Escalating materials costs associated with the impact of the global pandemic on the global supply chain. We are receiving frequent notifications from our key suppliers about increases in materials costs.</p>	<p>We are working with our contractors and consultants on strategies to isolate material costs within our cost schedules, and to identify items which can be purchased early on projects. We are developing a contract specifically for early procurement of materials which should be ready for use in Q3.</p>
<p>Limited availability of some materials as a result of the impact of COVID-19 on the global supply chain, including extended lead times due to slowed global transportation and delay through ports.</p>	<p>We are working with our contractors and consultants to identify materials where there could be issues with supply and where possible we are purchasing them early. We are developing a contract specifically for early procurement of materials which should be ready for use in Q3.</p>
<p>Closed borders have meant limited access to overseas labour market for recruitment, both for our supply chain and Wellington Water. This has had a particularly significant impact on the consultants where we have seen slow delivery of projects and a lack of experienced project managers.</p>	<p>On the 3rd of February 2022 the government have announce a schedule for re-opening the international borders progressively over 2022.</p> <p>Following the deliverability capability and capacity review that was carried out our consultant panel members will be putting together growth plans and strategies for how they can resource a growing programme in the current climate.</p> <p>We are looking at how we can make our delivery processes more efficient to reduce the burden on the consultants without increasing programme risk.</p>



Programme Lead indicators: preparation for this financial year

21/22 Construction Projects - Design Complete

Baseline Target (YTD)	Achieved	% complete	status
2	2	100%	On Track

Within 3 months of baseline construction start date

21/22 Construction Projects - Contracts Awarded

Baseline Target (YTD)	Achieved	% complete	status
2	2	100%	On Track

Passed baseline start date

Appendix 3 – Boar Bush Drinking Water Reservoir Contamination Incident and Response Report

MEMO

TO Stefan Corbett, South Wairarapa District Council

COPIED TO Tonia Haskell, Group Manager, Network Development and Delivery

FROM Laurence Edwards, Chief Advisor Drinking Water

DATE 22 February 2022

FILE NUMBER

FOR YOUR INFORMATION

Boar Bush Drinking Water Reservoir Contamination Incident and Response – 13 February 2022

Introduction

This purpose of this memo is to document the cause of the boil water advisory event of Sunday 13 February 2022, the immediate actions taken by Wellington Water, the urgent short term risk mitigation measures required in response to the incident and recommended longer term actions to minimise the risk of a repeat event in the future.

Background

The Boar Bush reservoir is a below ground 450m³ concrete storage reservoir located off Boar Bush Gully Road in Featherston. Water from the Waiohine water treatment plant near Greytown is supplied to the reservoir via a 300mm diameter pipeline the crosses the Tauherinikau river at a location near the end of Underhill Road to the concrete reservoir.

The concrete reservoir stores treated water - and should not be confused with the Boar Bush emergency raw water supply dam that is located to the northwest and is the historical water supply to Featherston. The raw water supply has been physically disconnected from the treated water supply, to eliminate any risk of system contamination of the treated water supply.

There is significant sediment build up in the bottom of the concrete reservoir, and cleanout of the reservoir is complicated as the scour valve is not operable, therefore requiring the reservoir to be offline for several weeks for while it is disinfected and reinstated to supply.

The concrete storage reservoir provides an important but limited capacity flow buffering function in the event of disruption to supply from the upstream treatment plant at the Waiohine river, for example due to treatment plant operational issues, or failure or maintenance on the pipeline that crosses the Tauherinikau river.

There is a chlorine gas dosing system at the site currently that does not meet modern Hazardous Substances and New Organisms Act requirements, and doses into a chlorine contact tank immediately adjacent to the reservoir.

The roof of the chlorine contact tank is in very poor condition. The chlorine concentration of the water in the concrete storage reservoir is monitored remotely and can be boosted using the gas system if required.

In 2020, a storm event caused washout of the access road to the reservoir and damage to the supply pipeline to Featherston (see photo of incident location below). This damage also resulted in the issue of a Boil Water Advisory.



February 2022 Boil Water Advisory Incident

Cyclone Dovi brought significant rainfall causing flooding, slips, and widespread disruption across much of the north island from Friday 11 February to Sunday 13 February 2022. At around 4pm on Sunday 13 February, Wellington Water operations staff noted that the Boar Bush reservoir access track had been impacted by a slip, and that the Free Available Chlorine in the storage reservoir had dropped to around 0.38mg/L from a typical value of between 0.6 and 0.88 mg/L. This drop indicated that there was a chlorine demand in the system somewhere between the treatment plant and the reservoir, and potentially due to contamination of the reservoir.

Upon visiting the site at 5:30pm, staff noted flooded valve chambers and evidence of untreated surface water entering the treated storage reservoir (see photos below).



The treated water reservoir hatch was opened and observations confirmed untreated surface water was entering the concrete reservoir, contaminating the water supply to Featherston.

Immediate actions taken

An immediate decision to issue a Boil Water Advisory was taken. Wellington Water's Senior Leadership team was notified, along with SWDC's Chief Executive, Infrastructure Manager, and Communications manager. Boil water advisory communications were prepared for issue in accordance with Wellington Water's standard processes, and multiple publicity channels were used to disseminate the advisory.

Key WWL personnel were identified to assist with the preparation of plans for:

1. Bypass of the reservoir using a pressure control valve, allowing isolation of the reservoir
2. Flushing/disinfection of the Featherston water supply network
3. Sampling and testing to verify the safety of drinking water prior to lifting the boil water advisory
4. Clean out, inspection, and disinfection of the reservoir
5. Reinstatement of the reservoir into service
6. Immediate and urgent remedial works required to reduce the risk of recurrence as much as possible in the short term
7. Longer term actions to improve the network to minimise the risk of recurrence.

As of 22 February 2022, Items 1 and 2 have been completed, and Item 3 is in progress. Featherston is currently being supplied directly from the Waiohine water treatment plant via the pressure control valve/bypass arrangement pending clean out, disinfection, and reinstatement of the reservoir.

Immediate and urgent works required in response to contamination incident

The following works are required to be completed urgently in response to the incident and to reduce the risk of recurrence:

Item	Description	Comments
1	Removal of sediment from reservoir and disposal to landfill	Significant exercise to complete due to inoperable scour valve. Significant build up observed in base of reservoir. Expected to take 5 days to complete following approval to proceed
2	Clean out, physical inspection, super chlorination/disinfection, dechlorination and bug test of reservoir	May take up to three weeks to complete safely
3	Replace scour valve if possible while reservoir is empty	Extent of work to be confirmed with reservoir empty. May need to be deferred if replacement is not feasible in an acceptable timeframe.
4	Improve drainage/cut off drain around the reservoir site	Required to reduce risk of subsequent rainfall events impacting reservoir roof.
5	Seal all roof penetrations and hatches to mitigate ingress risk	Extent of sealing work required to be confirmed when reservoir is emptied.
6	Install pipework to bypass poor condition pipework, and demolish chlorine contact tank	Required to mitigate contamination risk from poor condition and subsiding contact tank roof.

Longer term mitigations required to minimise risk

Longer term, it is recommended that the below ground reservoir is replaced with a new above ground reservoir at an alternative location that is less susceptible to disruption and washout of connecting pipelines.

Key Risks

- Reservoir condition

Ensuring water tightness of the reservoir roof is imperative for avoiding future contamination issues. There may be further condition related issues that do not become evident until the reservoir is emptied and cleaned ready for inspection.

- Poor condition of chlorine contact tank

The roof of the chlorine contact tank is in very poor condition, is cracked and is slumping in the centre and causing ponding of water that can allow contaminants to enter the water supply.

- Pressure Control Valve failure

While the reservoir is offline, supply to Featherston relies on supply via a single pressure control valve. The valve has no bypass arrangement, so any operational issues with the valve requiring maintenance may result in loss of supply to Featherston for the duration of work.

- Tauherinikau river crossing remedial works and risk of knock-on program impacts

The remedial works to the Tauherinikau river crossing may require shutdown of the supply pipeline to Boar Bush reservoir and Featherston. It is important that the Boar Bush reservoir is brought back into service before this work proceeds to provide some flow buffering storage for Featherston. If the reservoir is not online and the supply pipeline needs to be depressurised, supply of water to Featherston will be lost for the duration of work.

Conclusion

The cause of the boil water advisory for Featherston of 13 February 2022 is due to the significant rainfall event and poor condition of the reservoir resulting in surface water entering the below ground Boar Bush reservoir, contaminating the water supply.

Cleanout, disinfection, and reinstatement of the reservoir into service requires extensive work and will take several weeks due to the requirement to clear large amounts of historical sediment build up from the reservoir that is now contaminated, and the inoperability of the scour valve. Once complete, it is important to seal the reservoir as soon as possible to avoid similar issues in the future prior to replacement of the reservoir. Decommissioning of the poor condition contact tank is also required to mitigate the contamination risk.

Immediate and urgent work required in response to the incident will be progressed as soon as possible.

Recommendations

That council note that:

- Urgent and immediate work required to seal the reservoir roof, decommission the poor condition contact tank, improve stormwater drainage around the reservoir site, and to safely recommission the reservoir will be completed as soon as possible
- The work needs to be undertaken urgently to avoid the potential knock-on program impact for the Tauherinikau river crossing remedial works
- We will proceed with the work by reprioritising our existing work programs and forecast budgets.
- Prior to recommissioning the reservoir, Featherston continues to rely on a supply via a single pressure control valve that cannot be maintained without shutting down supply to all of Featherston.
- The longer term actions to improve the network to minimise the risk of recurrence will be included in the Water Safety Plan and require funding through LTP/annual plan processes.

Laurence Edwards

Chief Advisor Drinking Water

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Appendix 4 – Moroa and Longwood Water Races Briefing Paper

Water Races - Briefing Paper to Assets and Services Committee – SWDC

Author: Matthew Lillis

Date: 01/03/2022

Moroa and Longwood Water Races

Purpose

The purpose of this briefing paper is to:

1. Provide background on the South Wairarapa District water races including current operational requirements and issues;
2. Outline emerging issues in their management including those relating to Greater Wellington Regional Council (GWRC) regulations, and national regulations such as the National Policy Statement for Freshwater Management (NPS-FM); and
3. Advise on recommended next steps.

Summary

1. Council have requested an information paper go to the Assets and Services Committee outlining the Water Race(s) background including current operation/requirements/issues and proposed changes/issues including GWRC and NPS Freshwater standards and requirements.
2. An application to renew the Longwood Water Race consent to 2025 has been lodged with GWRC. The Moroa Water Race consent, and Longwood Water Race consent will require renewal in 2025.
3. Three Waters Reform, RMA reform, the NPS-FM and the Natural Resources Plan (NRP) will affect the consenting process and ongoing operation of the water races, including associated capital and operational cost.
4. This paper provides a high-level overview of these to inform strategic decisions on the water races.
5. Greater Wellington Regional Council staff are available to present at another Council meeting, and in more detail, about stock exclusion rules coming into effect on 1st August 2022.

Recommendation

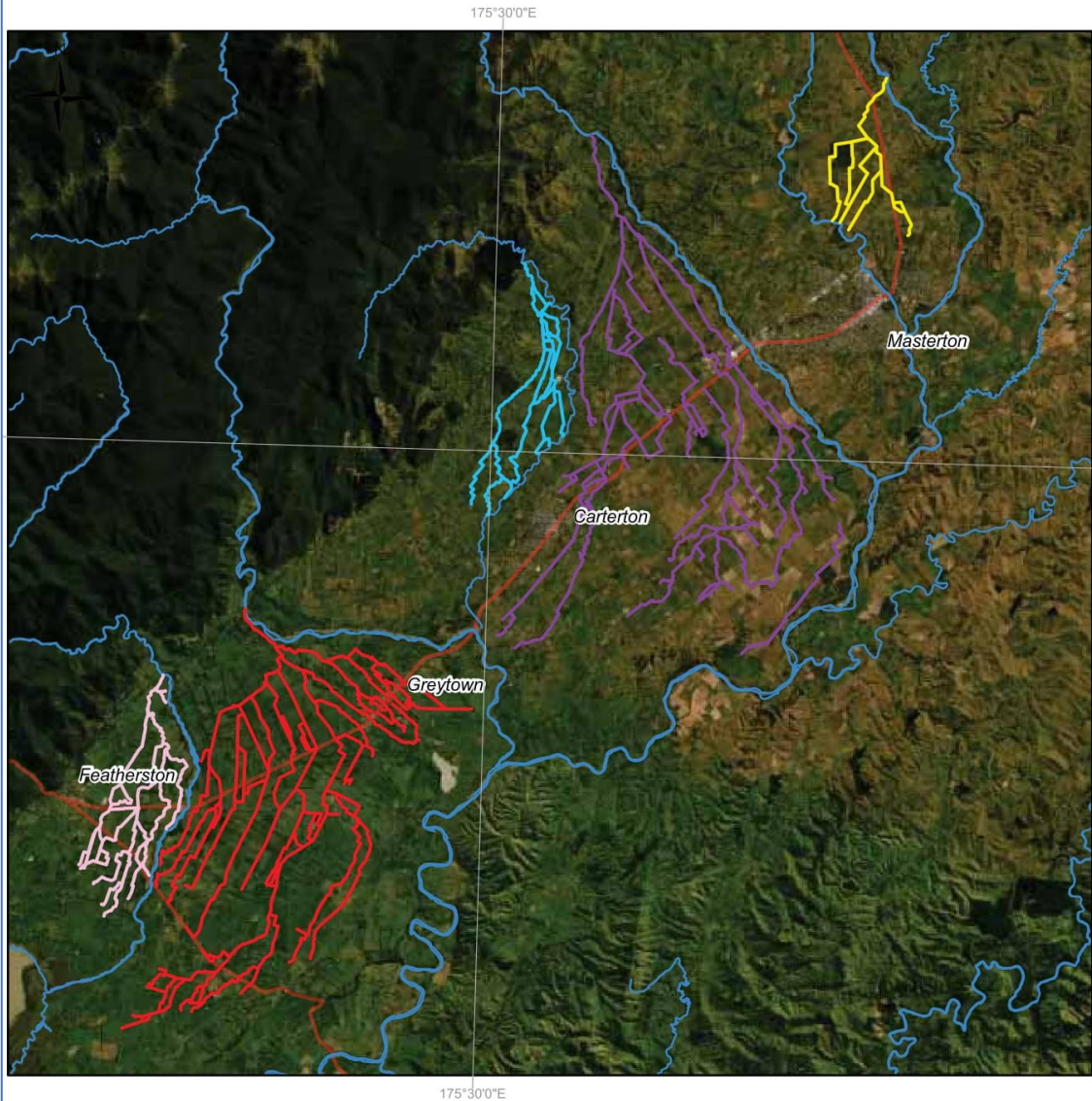
6. That the Assets and Services Committee of South Wairarapa District Council (SWDC);
 - **Note** the existing operation and maintenance responsibilities relating to the water races,
 - **Note** the emerging regulatory issues relating to the water races, and
 - **Discuss** the proposed next steps outlined in this paper.

Background

7. Council have requested an information paper go to the Assets and Services Committee outlining the water races background including current operations and requirements and proposed changes and issues including GWRC and National freshwater policy and standards.
8. The Moroa Race near Greytown and the Longwood Race near Featherston intake water from the Waiohine and Tauherenikau rivers respectively and provide stock drinking water, and some irrigation water to surrounding farmland.
9. The water races are identified in Map 28 of the Natural Resources Plan (shown below) as highly modified watercourses. Water races are generally identified in the NRP as category 2 surface water bodies.

Water races in the Wairarapa

Map 28



This version of the map is not complete. The version of this map available online through the online web map viewer shows the complete, detailed information on a GIS overlay that is not shown on this hard copy. The online version is available on the Council's website at <https://mapping.gw.govt.nz/gwrc/> (select theme **Proposed Natural Resources Plan 2045**) and can be accessed from the Council offices or public library.

- | | | |
|------------|------------|---------------|
| Carrington | Opaki | State Highway |
| Longwood | Taratahi | Main river |
| Moroa | Te Ore Ore | |



Basemap: World Oceans Base
Projection: NZTM 2000



Copyright
Basemap: Source: Esri, DigitalGlobe, GeoEye,
Earthstar Geographics, CNES/Airbus DS, USDA,
USGS, AeroGRID, IGN, and the GIS User

10. The resource consent for the Longwood Race expired in 2020. An application for a short-term renewal consent has been lodged. This application seeks consent until 2025 to align with the Moroa consent and is currently the subject of a further information request from GWRC regarding alterations to the intake, and additional monitoring in particular. The draft conditions of consent include (among other things) requirements to review the code of practice, hold a water users forum, install flow monitoring on the inlet and bypass, carry out a review of water use and efficiency and carry out water quality monitoring at a variety of locations.
11. The resource consent for the Moroa Race expires in April 2025. Applications to renew the existing Moroa consent and the proposed Longwood consent need to be lodged in October 2024 (or January 2025 with GWRC's agreement).
12. Stock exclusion regulations under the NRP come into effect on 1st August 2022.
13. SWDC is currently reviewing the relevance and management of the water races with users and landowners.
14. Carterton District Council are preparing documentation to renew consents for the Carrington and Taratahi water races which expire in June 2023. There is an opportunity to collaborate and draw lessons from their consenting process. The collaboration model with the Parkvale community in Carterton District is expected to act as a pilot for GWRC, District Councils and communities to collaborate.

Operation and Maintenance

15. Operation and maintenance of the water races is carried out by the following parties:
 - SWDC's roading team maintains road culverts that form part of the water races,
 - Rural landowners are responsible for maintenance of the water races in their properties,

- Wellington Water (WWL) maintain and operate the inlet and outlet on behalf of SWDC,
- WWL regularly checks the full length of the races and clears any part of them on public land, and
- WWL advises landowners of any required maintenance of the water races on their properties.

16. It remains unclear whether consents will be required to carry out maintenance of the water races (in particular removal of sediment) in future.

17. Stock exclusion rules under the NRP will come into effect in August 2022. These rules were proposed in 2015 with a 7 year period to adapt to them. WWL understand that GWRC has a range of advisory and grant support services to assist landowners with compliance. GWRC staff have offered to discuss these with SWDC at a later Council meeting.

Emerging Regulatory Issues

18. Changes to the regulatory environment will impact the management of water races. This includes:

- A Plan Change to the Natural Resources Plan addressing water allocation in the Ruamahānga is due to be notified in 2022. This may place new restrictions on the water allocation available for the water races. Other issues that will likely need to be addressed in the renewal of resource consent are the ecological values of the source rivers and water races, managing nutrient levels of the water races, archaeological / historic values of the water races, connectivity between the water waces and groundwater/stormwater, and the minimum source take that is needed to maintain flow through the water races.
- The NPS-FM gives effect to the principles of Te Mana o te Wai, which introduces a hierarchy that prioritises the health and well-being of water above other water uses. The NPS-FM requires GWRC set goals with their community for freshwater quality, and this has been

undertaken through the Ruamāhanga Whaitua Implementation Programme that integrated mana whenua perspectives into catchment planning. These community aspirations are underpinned by environmental bottom lines in the NPS-FM as well as specifically regulated activities in the Freshwater National Environmental Standard.

- Three Waters Reform as proposed by the government may alter ownership of, and operational responsibilities for, the water races.
- RMA Reform will alter the regulatory and consenting environment under which the water races are managed.

Next Steps

19. The table below outlines proposed next steps for discussion.

Action	Complete by	Responsibility
Carry out planning assessment of the implications of the NPS FM, NRP, Three Waters Reform and RMA Reform on consenting and operation of the water races.	2022	SWDC/WWL led, with input from GWRC
Carry out collaborative catchment management planning with affected stakeholders including water race committees and iwi. Focus on long term solutions. Consider asset relevance, ecological impact of ceasing operation, cost benefit, cost allocation, environmental protection.	2024	SWDC, WWL, GWRC, Iwi, Affected Parties
Assess capital and operational costs of continuing to operate the races, and programme these into LTP's as required.	2024	SWDC/WWL
Reconsent Water Longwood and Moroa water races	2025	SWDC/WWL

ASSETS AND SERVICES COMMITTEE

9 MARCH 2022

AGENDA ITEM C2

PARTNERSHIPS AND OPERATIONS ROADING AND AMENITIES REPORT

Purpose of Report

To update Councillors on roading and amenities activity progress within the Partnerships and Operations group.

Recommendations

Officers recommend that the Committee:

1. *Receive the Partnerships and Operations Roading and Amenities Report.*

1. SWDC Roading Report

The report covers the period of works completed up to the end of January 2022, being 50% of the 2021/2022 financial year. The percentages shown below are based on works completed to date on Waka Kotahi financially assisted annual budget. Works in several maintenance categories are seasonal so the spend will reflect this variance.

A brief commentary describing key achievements during January 2022, noting Fulton Hogan were not back until 10 January 2022, is noted under each work category below.

1.1 OPEX

- Sealed Road Pavement Maintenance spend is 76% on Local Roads and 79% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 207.48 of sealed roads inspected and faults loaded into RAMM
 - 33 sealed potholes were identified
 - 50m2 of sealed pavement repaired
- Unsealed Road Pavement Maintenance spend is 62% on Local Roads and 96% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 78.04 km of unsealed roads inspected, and faults loaded into RAMM
 - 136.4km of unsealed roads graded
- Drainage Maintenance spend is 30% on Local Roads and 114% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 199 culverts were inspected

- 65.4km of streets mechanically swept
- 115.76km of drains sprayed
- Structural Maintenance spend is 59% on Local Roads and 6% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 14 bridges were inspected
 - 3 bridges were painted
- Environmental Maintenance spend is 64% on Local Roads and 59% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 6.9km of high trimming vegetation was cut
- Minor Events spend is 121% on Local Roads and 188% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.

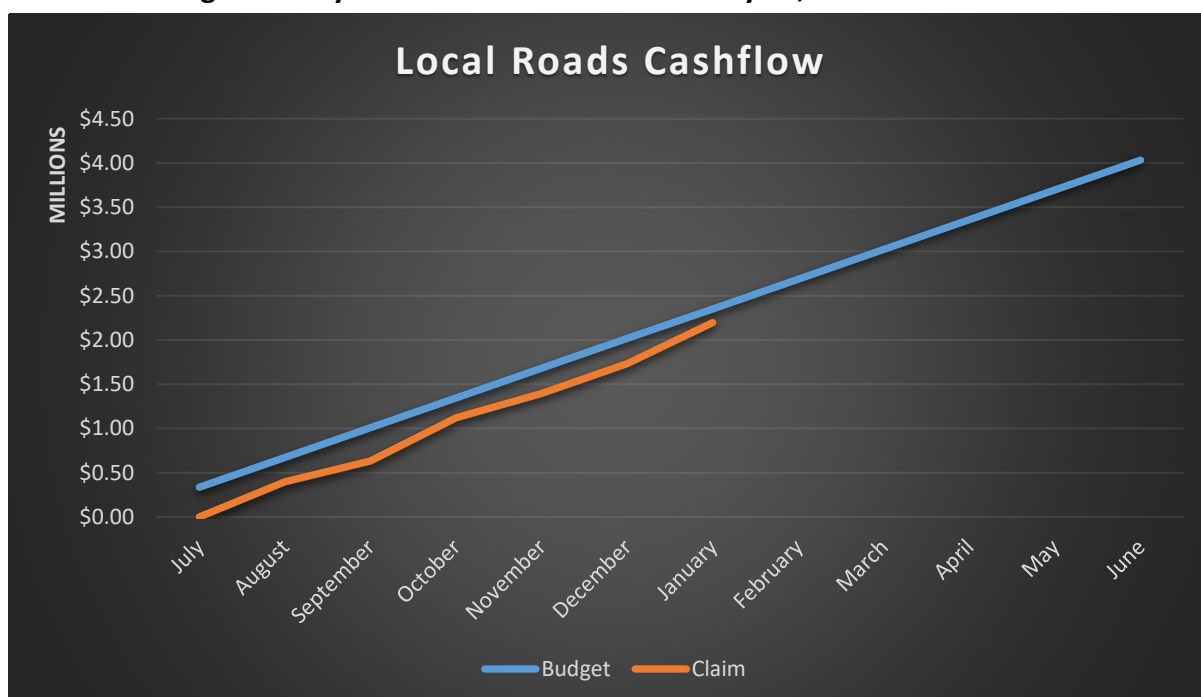
Expenditure is due to response to weather events in the year to date. If further budget is required, it will be reallocated from other Maintenance cost codes.

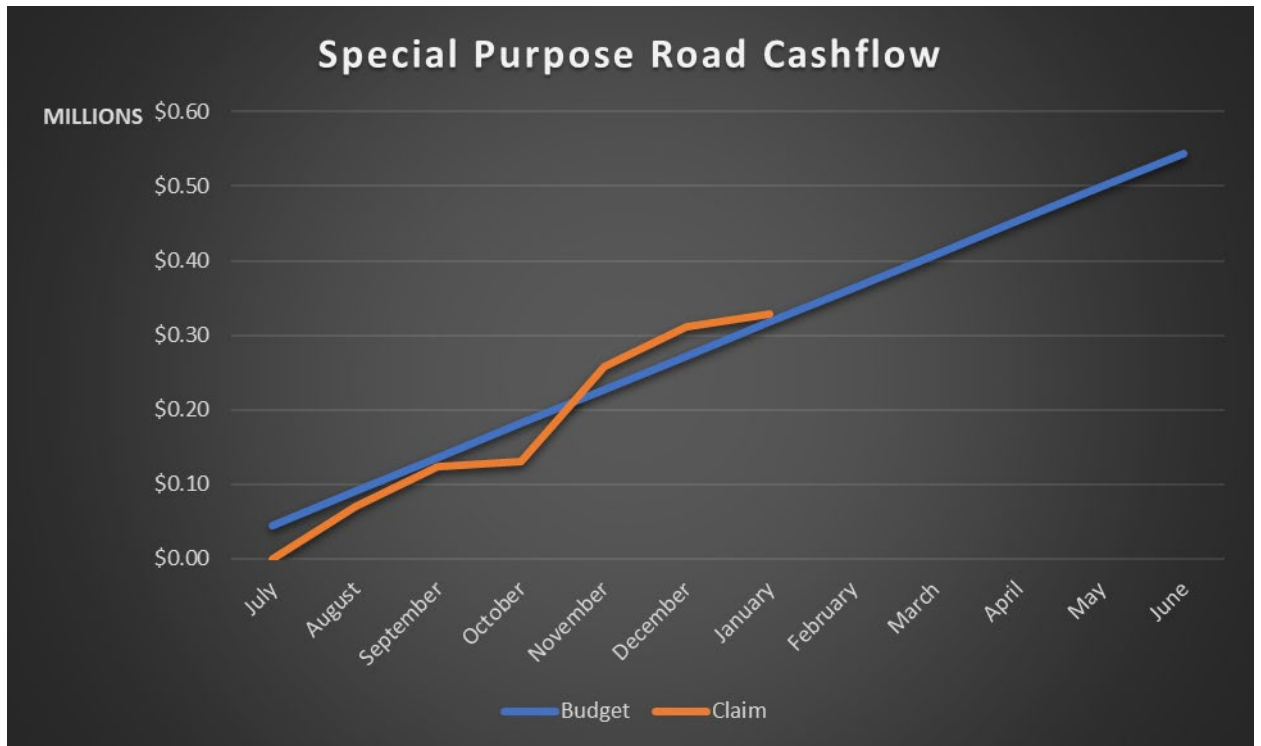
- Traffic Services spend is 26% on Local Roads and 24% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 174 signs were inspected
 - 21 posts painted
 - Annual remark is programmed for April 2022 and is a large portion of the budget.
- Cycle Path Maintenance spend is 0% on Local Roads in relation to Waka Kotahi annual budgets allocation.
 - Spaying and mowing adjacent to the Western Lake Road Cycle path have been completed from Environmental Maintenance budget.
- Footpath Maintenance spend is 108% on Local Roads in relation to Waka Kotahi annual budgets allocation.
 - Works have been completed allowing focus to shift to renewals in the new year.
- Rail Level Crossing Warning Device Maintenance spend is 122% on Local Roads in relation to Waka Kotahi annual budgets allocation.
 - Direct cost from KiwiRail. Over budget due to lightning strike at Woodside lights
- Network and asset management spend is 58% on Local Roads and 65% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - 5 traffic counters were installed.

1.2 CAPEX

- Unsealed Road Metaling spend is 28% on Local Roads and 98% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - Aggregate has been ordered and crushed to be applied during Autumn and early winter. Manufacture and supply of this material is impacted by resource supply form the rivers
- Sealed Road Resurfacing spend is 92% on Local Roads and 82% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
 - Works will be completed by early February and design is impacted by the short supply of various grades of sealing chip.
 - Special Purpose Road resealing is complete with remarking of the road marking costs yet to be received.
- Drainage Renewals spend is 35% on Local Roads and 0% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
- Pavement Rehabilitation spend is 8% on Local Roads in relation to Waka Kotahi annual budgets allocation.
 - Western Lake Road sites are programmed for early/mid 2022
- Traffic Service spend is 38% on Local Roads and 10% on Special Purpose Road in relation to Waka Kotahi annual budgets allocation.
- Footpath Renewals spend is 0% on Local Roads in relation to Waka Kotahi annual budgets allocation.
 - Sites are programmed for February -May 2022

1.3 Tracking summary of OPEX and CAPEX to January 31, 2022

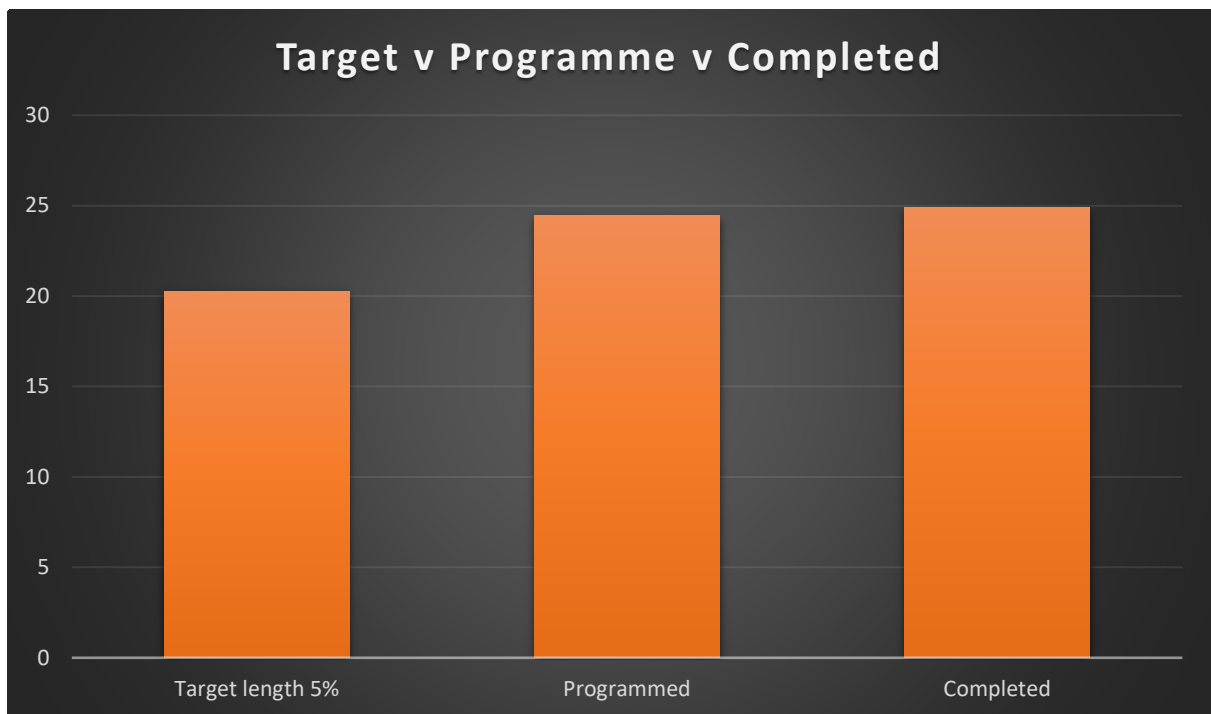




1.4 Key Performance Indicators (Year to date reporting)

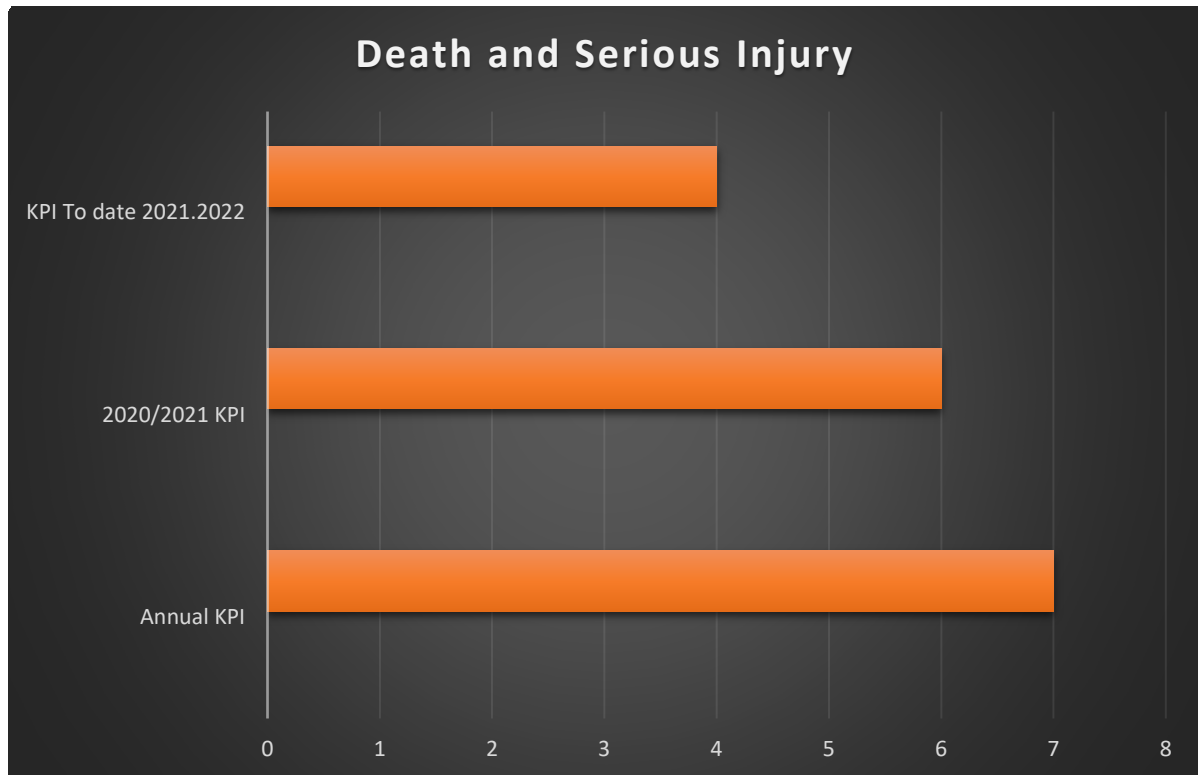
5% of sealed roads are resealed each year subject to availability of NZTA subsidy

Length of sealed network 405.7 km 5% equates to 20.3 km. 24.89 km complete.



Change in number of fatalities and serious injury crashes on the local road network from previous year. Performance target is < 7

The data below has been extracted for Waka Kotahi Crash Analysis System. Generally, there is a time lag from the accident to data being uploaded to the system.



1.5 Cyclone Dovi

On the weekend of 12/13 February ex tropical cyclone Dovi hit New Zealand and the Wairarapa. The impact was heavy rain and high winds through a 48-72 hour period.

The forecast allowed early preparation with Fulton Hogan and they established a high level of preparedness, which included the coordination of a number of Local Wairarapa sub-contractors to be on standby with plant and labour.

During the event initial response patrols were instigated by Fulton Hogan based on local knowledge and ratepayer feedback and updates. These patrols allowed a timely and accurate response to the initial response to the event. These initial response patrols were used to provide the basis for flooding and road closure updates as well as identifying the scope of works to quantify reaction/remedies.



Oporua Spillway Kahutara Rd working as designed



Pahautea Rd Spillway working as designed



Cape River Bridge scouring

The major impact to the roading network was:

- River levels running high putting pressure on the resilience of the bridge assets.
- Flooding plains working and closing roads and alternative routes.
- Land movement and slips.
- Wind-blown trees district wide.
- Property flooding in both urban and rural areas.

2. Fulton Hogan Monthly reporting on Ruamahanga Roads Contract

2.1 Health and Safety Report

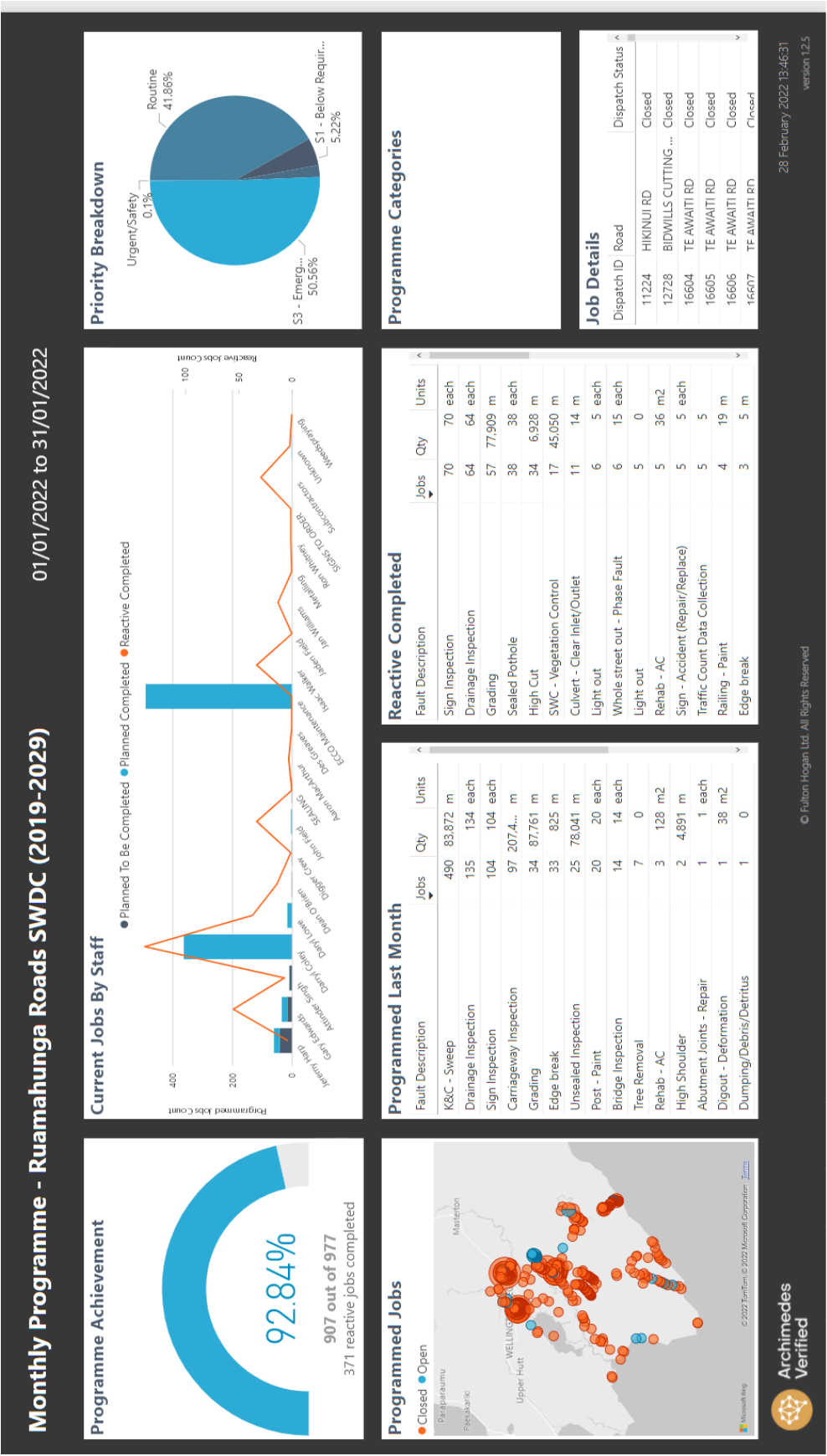
2.1.1. All incidents, Near misses, New hazards/ risks identified

There were no incidents, near misses or new hazards to report this month.

2.1.2. Training and inductions

There was no training for the month of January due to the Christmas Holiday break.

2.2 Achievement Dashboard



3. Amenities Report

3.1 Community Housing

Community Housing application forms have increased in the last two to three months. We have one unit in Cecily Martin Flats being renovated to allow a new tenant to move in hopefully March 2022.

We also are renovating another in Westhaven Flats and have a tenant also waiting to move in. Budgets are tight and finding reliable tradespeople are proving difficult at times which holds letting up. Flat Inspections are due in April 2022 and have had several cases of repairs needed to ovens, clothes lines, light switches, removal of branches etc.

3.2 Cemeteries

Plotbox, our new Cemetery Database is due to go live in April with training for two staff members due to commence in March.

Burial and ashes interments have slowed during February. Although reserving plots has increased. We will be adding an inground ashes beam in Martinborough Cemetery in March.

Ashes interments/burials February 2022

	Greytown	Featherston	Martinborough
Burial	1		
Ashes Inground	1		
Ashes Wall	1		

3.3 Pain Farm and Cottage

Due to recent storms the garage at Pain Farm has been damaged. Insurance company has a quote which they wish to discuss with the builder. At this stage the scope is to replace the broken Lintel above the door, demolish the damaged brick wall and replace in full and to replace the roof.

The Homestead and Cottage are being inspected on Wednesday 2nd March. Both tenants are in regular communication with the Council and have no issues with tenancy.

3.4 Swimming Pools

All pools have been utilised to full capacity with new Covid restrictions in place. BBQs have been well received.

Greytown pool has had new murals displayed on the seating area.



Pool Attendance for January

ATTENDANCE REPORTS Jan-22										ATTENDANCE REPORTS Jan-22										ATTENDANCE REPORTS Jan-22										
GREYTOWN										FEATHERSTON										Martinborough										
Visit Type	Child 11am-1pm	Child 1pm-5pm	head count at 5pm	Child 5pm-7.30pm	Adult 11am-1pm	Adult 1pm-5pm	Adult 5pm-7.30pm	Adult supervisor	Weather	Visit Type	Child 11am-1pm	Child 1pm-5pm	head count at 5pm	Child 5pm-7.30pm	Adult 11am-1pm	Adult 1pm-5pm	Adult 5pm-7.30pm	Adult supervisor	Weather	Visit Type	Child 11am-1pm	Child 1pm-5pm	head count at 5pm	Child 5pm-7.30pm	Adult 11am-1pm	Adult 1pm-5pm	Adult 5pm-7.30pm	Adult supervisor	Weather	
10/01/2022		73	62	30		31	18	16	hot	10/01/2022		52	28	9		24	4	3	sunny	10/01/2022		91	24	6		18	5	37		hot
11/01/2022		72	28	3		37	3	23	hot	11/01/2022		75	31	8		39	3	18	sunny	11/01/2022		89	20	12		34	12	23		hot
12/01/2022		87	32	14		49	19	23	hot	12/01/2022		55	45	6		30	6	17	hot	12/01/2022		82	25	26		44	7	20		hot
13/01/2022		42	14	2		11	1	8	hot	13/01/2022		11				6	1	6	overcast	13/01/2022		20	17	8		11	4	4		hot
14/01/2022		17	11	17		7	9	8	overcast	14/01/2022		19	7			8	1	4	overcast	14/01/2022		23	12	3		2		3		overcast
15/01/2022	16	75	29	35	10	87	25	23	hot	15/01/2022	7	20	6	9	9	15	1	5	hot	15/01/2022	3	56	21	19	2	23	9	28		sunny
16/01/2022	15	63	20	13	18	68	25	21	hot	16/01/2022	9	46	17	10	8	29	6	16	hot	16/01/2022	10	54	14	12	3	31	14	9		sunny
17/01/2022		90	15	2		55	6	30	hot	17/01/2022		74	25	18		28	12	22	hot	17/01/2022		54	27	21		26	8	8		sunny
18/01/2022		73	28	5		36	3	13	hot	18/01/2022		59	0	0		36	0	0	overcast	18/01/2022		120	27	26		40	7	29		hot
19/01/2022		89	25	7		45	7	18	sunny	19/01/2022		55	7	4		20	2	5	hot	19/01/2022		88	17	7		35	4	16		hot
20/01/2022		11	0	0		0	0	5	overcast	20/01/2022		9	0	0		2	0	0	overcast	20/01/2022		0	0	7		0	0	4		raining
21/01/2022		88	44	19		32	21	23	hot	21/01/2022		34	13	11		13	6	8	hot	21/01/2022		35	16	1		9	3	2		overcast
22/01/2022	48	124	69	26	30	93	41	34	hot	22/01/2022	12	92	53	25	16	65	15	14	hot	22/01/2022	25	106	51	17	11	41	33	48		hot
23/01/2022	69	98	22	6	30	73	9	34	hot	23/01/2022	15	43	12	7	13	21	3	14	hot	23/01/2022	22	55	20	27	12	28	14	23		hot
24/01/2022		22	9	10		9	7	9	overcast	24/01/2022		10	2	3		8	1	1	overcast	24/01/2022		22	5	16		9	1	5		overcast
25/01/2022		27	12	5		16	3	7	overcast	25/01/2022		15	14	0		5	0	4	raining	25/01/2022		36	3	3		21		9		raining
26/01/2022		30	8	6		17	3	10	sunny	26/01/2022		33	18	7		18	3	6	overcast	26/01/2022		37	8	5		14	5	13		rain/sunny
27/01/2022		26				9		8	overcast	27/01/2022		2	0	0		1	0	0	cold	27/01/2022		12		2		1	3	4		overcast
28/01/2022		65	16	21		47	18	8	sunny	28/01/2022		30	32	9		12	7	5	hot	28/01/2022		33	1	5		6	5	15		overcast
29/01/2022	26	83	52	10	19	85	27	10	hot	29/01/2022	17	42	21	18	3	46	11	8	sunny	29/01/2022	16	48	18	7	7	59	14	4		hot
30/01/2022	40	72	20	13	43	83	16	16	hot	30/01/2022	12	34	0	5	17	28	6	9	hot	30/01/2022	16	36	19	13	11	45	12	18		hot
31/01/2022		44	16	8		9	15	11	overcast	31/01/2022		34	22	21		18	16	8	hot	31/01/2022		32	12	6		17	3	17		hot
	310	2144	966	459	236	1650	489	539			125	1220	556	284	99	750	182	252			165	1755	741	482	114	1099	381	467		

3.5 SWDC Playgrounds

The new spinning wheel has been installed in the Greytown Playground.



Still waiting on the climbing frame for Martinborough.

3.6 Parks and Reserves

Peace Garden in Featherston completed and Heritage NZ will organise an official opening.



4. Other Projects

Hau Ariki Marae is 90% completed, awaiting on confirmation of consent due to changes on the sprinkler system. Still in progress with Fire and Building Consents. Hau Ariki Marae is working through the process still.

Tauherenikau bridge project is in progress with trails and carpark installed up to where the landings begin. The two towers have been manufactured and the foundations have been put in place.

Kiwi hall kitchen - extending the hot water from the infinity system over to the kitchen has been completed

5. Appendices

Appendix 1 – Roading Programme Report

Appendix 2 – Amenities Programme Report

Contact Officer:

Stefan Corbett, Group Manager Partnership and Operations

Reviewed by:

Harry Wilson, CEO

Appendix 1 – Roding Programme Report

Overall Programme Status (RAG)	Finance	Delivery	H&S	Stakeholders	Risk profile	Commentary
						Programme on track overall. Some resource constraints remain but works progressing well.

Current Projects

Bidwills Cutting RD Pedestrian Upgrade \$266K March 22-June 22

Five Rivers Hospital development						Engagement with Kuranui College completed and estimates done and fall within budget
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Reading Street Upgrade May 21- Nov 22

Upgrade Street, kerb and channel, carparking drainage as part of Resource Consent						Orchards Retirement Village upgrade Concerns over Estimates have been sent back to the consultant
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Sealed Road Pavement Rehab \$250K March 22 - May 22

Western Lake Rd Area Wide 2 sites	↓	↓ Covid Pandemic				Working on Pavement design Need to confirm Aggregate supply. Initial estimates are over budget
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Sealed Road Resurfacing Local Roads \$700.0k Oct 21 - Marc22

Scheduled programme of works comprising 22kms of resurfacing on: BATTERSEA LINE BETHUNE ST BOAR BUSH GULLY RD DANIEL ST (MARTINBOROUGH) DRY RIVER NO. 1 RD DUBLIN ST LAKE FERRY RD MOERAKI RD MOORE ST NEW YORK ST OXFORD ST PRINCESS ST WARDS LINE WEST ST WESTERN LAKE RD WHITE ROCK RD MOROA ROAD PAPAWAI RD						Completed February 2022
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Sealed Road ResurfacingCape Palliser Rd \$100K Oct 21 - Dec21

						Sites Complete
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FootPath Renewals \$375K Feb 22 - Jun 22

Revans Street Featherston 2 sites , Fox Street Featherston,Bell Street Featherston		↓ Covid Pandemic				Ultra fast Broadband rollout has been completed in Featherston
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Low Cost Low Risk Local Roads		\$345K	Jan 22 - Jun 22				
Identified Projects as approved by Waka Kotahi: Flag lightat the following intersections Lake Ferry Rd/Kahutara Rd,Kahutara Rd/East est Acces Rd,Western Lake Rd/East West Access Rd. Seal widening Western Lake Road.Bidwills Cutting Road signage improvements. Cattle underpass contributions. Te Awaiti Rd stability investigations at the Gluepot							Flag light prices have been received, seal wideningon Western Lake Rd is proposed to start in March. Palliser Ridge have comiited to installing a cattle underpass on Lake Ferry Rd
Low Cost low Rick Special Purpose Rd		\$250K	Jan 22 - Jun 22				
Identified projects as approved by Waka Kotahi: Flag light at lake Ferry Rd Cape Palliser Rd intersection,Signage upgrade,Guard Rail installation,Bridge scour protection,Whatarangi Cliff resilience investigation,Rock revetment protection works,Johnson Hill slumpoing investigation and modelling,Ecoreef installation							Flag light prices have been received , WSP have commenced monitoring of Johnsons Hill and the Drone has been up. Rip Rap rocks have been ordered
Road to Zero		Jan 22 - Jun 22					
Consult re speed review and impliment programme over 3 years			↓				Link to NZTA speed reduction and Road to Zero, Urban safety for vulnerable users etc. NZTA planned consultation and in discussions with NZTA on alignment. Wilkie Consultants have been engaged to manage delivery and consultation processes
Status key:			On track/achieving		Some concern		Off Track/Major concern

Appendix 2 – Amenities Programme Report

SWDC Assets and Services Committee		Programme		Amenities		
Meeting	9-Mar-22	Period		Jan-22		
Overall Programme Status (RAG)	Finance	Delivery	H&S	Stakeholders	Risk profile	Commentary
						Insert Officer view on programme status and key indicator changes
Current Projects and service contracts						
City Care		950k				
Parks and Reserves						In constant discssion with City Care management. Omicron risk on delivery BN
Peace Garden, Featherston		35k				
Upgrade and install web-enabled information display with additional seating and planting						Completed awaiting formal date from Heritage NZ for opening BN
Earthcare		750k				
Refuse and recycling						Budget on target, Earthcare now under the umbrella od Smart Enviromental, Possisible Omicron rish with availability of staff.Confident they will manage BN
CLM (Swimming pools)		245k				
All SWDC pools						Budget on target no risks involved, season ends March 14 BN
SWDC Tree asset management		20k				
Develop a long term District wide programme for tree management						Into final stages of design, Public will be able to intergrate this with our web site also. BN
Featherston Stadium		50k				
Upgrade to kitchen, seating and ablutions						Awaiting on quotes from builders TD
Ngawi Community Hall		30k				
Upgrade septic system						Completed main installation prior to Xmas. Planting will be completed in April BN
Cemetery Data Project		70k	Mar-22			
Upgrade into Plot Box Management system						Working with Plot Box to stream line burials and ashes, Public will have access to site for information KMc, TD
Tauherenikua Bridge		1.3k				
IRG funding						On Budget, Work on Bridge to begin last week of January. Delay due to Covid in Northland BN
Pain Farm Garage						
Repair damaged garage structure						Insurance involved, awaiting quotes TD
SWDC Lease Review Programme		tbc				
Complete review of leases						Working thru outstanding and new leases SC, BN
Hau Ariki Marae		435k				
IRG funding						Awaiting on further consents on fire and Building due to unknown circumstances. Awaiting on finacial apraval for variations. BN
Considine Park Lime Path		5k	Jan-22			
Lime path extension						Path in place but minor work still required BN
Wheels Park greytown		1.0k				
Park Cotter and Peirce street						Civil Company quoting on Roading infrastructure BN
Greytown Pavilion		1.0k				
Upgrade						New Design completed, under action moving forward BN
Status key: <div><div></div> On track/achieving <div></div> Some concern <div></div> Off Track/Major concern</div>						

ASSETS AND SERVICES COMMITTEE

9 MARCH 2022

AGENDA ITEM C3

ACTION ITEMS REPORT

Purpose of Report

To present the Assets and Services Committee with updates on actions and resolutions.

Recommendations

Officers recommend that the Committee:

1. *Receive the Assets and Services Action Items Report.*

1. Executive Summary

Action items from recent meetings are presented to the Committee for information. The Chair may ask officers for comment and all members may ask officers for clarification and information through the Chair.

If the action has been completed between meetings it will be shown as 'actioned' for one meeting and then will remain in a master register but no longer reported on. Procedural resolutions are not reported on.

2. Appendices

Appendix 1 – Action items to 9 March 2022

Contact Officer: Stefan Corbett, Group Manager Partnerships and Operations

Reviewed by: Harry Wilson, Chief Executive

Appendix 1 – Action Items to 9 March 2022

Number	Raised Date	Action Type	Responsible Manager	Assigned to	Action or Task details	Open	Notes
114	18-Mar-20	Resolution	Stefan		COUNCIL RESOLVED (DC2020/27): 1. To receive the Featherston Treated Wastewater to Land and Water Resource Consent Application Report. (Moved Cr West/Seconded Cr Colenso) Carried 2. To endorse Option 2 (withdrawal of the current consent application and lodging a new consent application) as the way forward for the Featherston Treated Wastewater to land and water consent application. 3. Within three months prepare options for the Assessment of Environmental Effects and a Community Engagement Plan. (Moved Cr Fox/Seconded Cr Colenso) Carried	Open	27/5/20: work continues on the Project Plan, AEE and Comms plans. Due to significance and budget, project sits within the Major Projects team at Wellington Water. GHD have been engaged to manage the project and progress the above work. 17/06/20 - A&S committee provided with updated timeline. 12/08/20 Work continues 04/11/20 – 2017 Consent application withdrawn in letter to GWRC. Ongoing update to project provided in Officers' Report. 07/07/21 - Work has continued in background and Council and public engagement can recommence now LTP finalised. 27/10/21 – WWL has been working to provide assurance to SWDC on consentability and affordability.
400	12-Aug-20	Action	Stefan		Investigate the nature of Moroa Water Race events resulting in an operational callout (e.g. urban vs rural vs stormwater), cost and location, and put together some analysis	Open	Work in Progress 16/12/20 - Data gathered, analysis under way 12/05/21 – to be completed in parallel with WR survey.
695	16-Dec-20	Resolution	Stefan		Schedule a workshop with the A&S Committee and Greater Wellington Regional Council to understand the Donald's Creek flooding issue and to clarify responsibilities for works and protection in waterways	Open	12/05/21 – work being undertaken now under GWRC global consent. 07/07/21 - Clearance of Creek completed. Update in P&O Report.
161	12-May-21	Resolution	Stefan		ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2021/12): 1. To receive the Road Safety in Greytown Report. 2. To note the issues identified by the local community and Greytown Community Board.	Open	07/07/21 - Waka Kotahi, NZTA providing update and proposal in meeting. 26/8/21 Waka Kotahi consultation for SH 2 safety improvements deadline has been extended due to Covid-19

Number	Raised Date	Action Type	Responsible Manager	Assigned to	Action or Task details	Open	Notes
					3. To consider the proposed initiative once the proposed safety improvements from Waka Kotahi, NZTA, for the SH2 corridor in Greytown are known. (Moved Cr Maynard/Seconded Cr Jephson) Carried		
301	7-Jul-21	Action	Stefan	Tim	Provide the archaeological report for the Cape Palliser ecoreef consent application to the Assets and Services Committee, Māori Standing Committee and the Martinborough Community Board for information	Open	30/12/21: Installation scheduled for Jan 22.
302	7-Jul-21	Action	Stefan	Tim	Provide information to the MCB on why the Innovating Streets Project was being partially funded by the Infrastructure Reserve Fund	Open	
484	6-Oct-21	Action	Stefan		Enable waste minimisation measures that encourage ratepayers to deal with their waste responsibly, thereby reducing the waste sent to landfill as well as the cost to Council and ratepayers of landfill disposal	Open	Note: Created by FAR for A&S to consider 15/10/21: Officers are conscious of the need to minimise waste and are working to achieve waste reduction to landfill. Price increase of rubbish bags is the most recent initiative to get ratepayers thinking on what they are throwing vs recycling which is free. Waste Minimisation Action Plan to be developed. 27/1/22: Environmental and Sustainability advisor due to start end of Feb and will be moving these initiatives forward.
516	27-Oct-21	Action	Stefan	B Neems	Work on a health and safety action plan with the Wairarapa Trails Action Group to ensure network safety of the proposed trails and continue discussions on cyclist safety on Underhill Road leading to the Tauherenikau Cycle Bridge	Open	8 Nov 21: WTAG chairman Greg Lang, Carterton Mayor is having discussions with SWDC Mayor on a way forward to resolve this problem on both sides of Underhill Road 20/12/21: Bridge construction delayed 12-14 weeks (subject to weather). 27/1/22: Underhill Road will be included as part of the speed review, other initiatives

Number	Raised Date	Action Type	Responsible Manager	Assigned to	Action or Task details	Open	Notes
							will be investigated prior to the bridge opening in September.
518	27-Oct-21	Action	Stefan		Provide the A&S Committee with an estimate of the impact of rising costs to water related projects	Open	
647	15-Dec-21	Action	Stefan	Sheil	Prepare media communications about the Papawai wastewater line renewals explaining the original scope, why this has changed, and what the program now involves	Actioned	28/1/22: Working with WWL to draft a release. 3/2/22: Job complete and press release prepared
10	2-Feb-22	Resolution	Stefan		ASSETS AND SERVICES COMMITTEE RESOLVED (A&S2022/04): 1. To receive the Tauherenikau River Crossing Water Pipeline Repair. (Moved Cr Plimmer/Seconded Cr Maynard) Carried 2. To support the Chief Executive to initiate under delegation the processes to commence the emergency works necessary to repair the pipe. (Moved Cr Plimmer/Seconded Cr Maynard) Carried 3. Recommend Option 2 to Council but with some latitude to include rigid support at both ends of the pipe. a. Option 2: Repair the water leak and refill rocks under the pipe. (Moved Cr Jephson/Seconded Cr Fox) Carried 4. Agrees in principle to support a longer-term option. (Moved Cr Emms/Seconded Cr Maynard) Carried	Actioned	22/2/22: Report to Council for approval 23-Feb.
15	2-Feb-22	Action	Stefan		Commence discussions with parties necessary to secure a long-term option for the Tauherenikau Water Pipeline	Open	