



Infrastructure, Climate Change and Emergency Management Committee

Notice of Meeting

A meeting of the Infrastructure, Climate Change and Emergency Management Committee will be held in the Council Chamber, 156 High Street, Dannevirke on **Wednesday 16 April 2025** commencing at **2:00 pm**.

Bryan Nicholson
Chief Executive

Agenda

1. Welcome and Meeting Opening

2. Apologies

3. Public Forum

A period of up to 30 minutes shall be set aside for a public forum. Each speaker during the public forum section of a meeting may speak for up to five minutes.

Standing Orders may be suspended on a vote of three-quarters of those present to extend the period of public participation or the period any speaker is allowed to speak.

With the permission of the Chairperson, members may ask questions of speakers during the period reserved for public forum. If permitted by the Chairperson, questions by members are to be confined to obtaining information or clarification on matters raised by the speaker.

4. Notification of Items Not on the Agenda

Major items not on the agenda may be dealt with at this meeting if so resolved by the Committee and the Chairperson explains at the meeting at a time when it is open to the public the reason why the item was not listed on the agenda and

the reason why discussion of the item cannot be delayed until a subsequent meeting.

Minor matters not on the agenda relating to the general business of the Committee may be discussed if the Chairperson explains at the beginning of the meeting, at a time when it is open to the public, that the item will be discussed at that meeting, but no resolution, decision or recommendation may be made in respect of that item except to refer it to a subsequent meeting.

5.	Declarations of Conflicts of Interest in Relation to this Meeting's Items of Business	
6.	Confirmation of Minutes	3
	<i>Recommendation</i>	
	<i>That the minutes of the Infrastructure, Climate Change and Emergency Management Committee meeting held on 19 March 2025 (as circulated) be confirmed as a true and accurate record of the meeting.</i>	
7.	Reports	
7.1	Infrastructure Management Report	9
7.2	Review of Hawkes Bay Cyclone Gabrielle Review	37
7.3	Portfolio Programme Project Report	55
8.	Items not on the Agenda Accepted in Accordance with the Procedure Outlined as per Agenda Item 4	
9.	Closure	



Minutes of a meeting of the Infrastructure, Climate Change and Emergency Management Committee held in the Council Chamber, 136 Main Street, Pahiatua on Wednesday 19 March 2025 commencing at 2:00 pm.

1. Present

Cr K A Sutherland (Chairperson), Her Worship the Mayor - Mrs T H Collis, Crs N L Chase, A K Franklin, P A Johns, M F Long, S A Wallace and S M Wards (via Teams)

In Attendance

Mr B Nicholson	- Chief Executive
Mr H Featonby	- Group Manager - Infrastructure
Mr M Dunn	- Manager – Programmes and Projects
Mr A Desmond	- Network Manager – Tararua Alliance
Mrs S Walshe	- Finance Manager (via Teams)
Mrs A Dunn	- Manager – Democracy Services
Mrs S Anthony	- Democracy Support Officer

2. Welcome and Meeting Opening

The Chairperson opened the meeting.

3. Apologies

That the apologies from Councillor SM Gilmore and E L Peeti-Webber (Deputy Mayor) be accepted, and leave of absence granted from the meeting

Chase/Long

Carried

4. Public Forum

4.1 Public Forum - Tararua Aquatic Community Trust

John Robertson, John Phillips (Engineer), Marian Holdaway, Tatum Kington, and Stephanie Duff, of the Tararua Aquatic Community Trust, spoke about their proposal for acquisition of land at 33 York Street, Dannevirke and enhancement of safety at Wai Splash Community Pools and inclusion in the Tararua District

Council Plan. They thanked Mayor Tracey Collis, CEO Bryan Nicholson, and Cr Kerry Sutherland for the opportunity and the support in bringing their proposal to Council. It was noted that the land at 33 York Street, Dannevirke has now come up for sale, offering a rare opportunity for purchase. Letters of support from local Iwi have been received by the Trust for the proposal.

They spoke about the current ongoing safety concerns at the premises. It was noted that large buses used by the schools to bring students to the pool, park in an area that creates traffic congestion and limits visibility for vehicles and pedestrians. It was noted that safety measures had been put in place however near misses are still occurring. The Trust spoke about the adjoining buildings to the pool which were built in the pre-1960's, are uninsulated and unsafe structures. John Phillips presented drawings of proposed changes to buildings included in the Trust's 10 year plan.

Cr Peter Johns arrived 2:17pm

The Trust members spoke about the reputational risk for both the Trust and the Council posed by the health and safety risks that need to be addressed, and how the acquisition of the property would allow for additional parking and improved visibility once developed.

A concern was raised by the committee about the cost of purchasing the property as this had not been indicated. It was reported that the cost had been discussed with the Council Management team who would be able to better inform. It was advised that the vendors are motivated to sell. It was noted that the property purchase would potentially increase rates and would require consensus from ratepayers, the addition of this proposal to the Tararua District Council Long Term Plan would require a workshop and consultation process.

The Trust members spoke about the high need to upgrade the premises overall and the need to include the potential for natural growth in the district and opportunities to offer new activities to the complex to encourage increased usage of the facility. Market research has shown the need for more fun activities and the Trust introduced inflatable toys from funding received in response, and the activity has been well received and utilised.

Cr Sharon Wards left the meeting at 2:53pm

That the presentation from the Tararua Aquatic Community Trust dated 11 March 2025 concerning the Proposal for Acquisition of Land at 33 York Street, Dannevirke to Enhance Safety at Wai Splash Community Pools to be included in the Annual Plan be received and referred to the Tararua District Council Annual Plan Workshop for further discussion.

Johns/Long

Carried

5. Notification of Items Not on the Agenda

Nil

6. Declarations of Conflicts of Interest in Relation to this Meeting's Items of Business

Nil

7. Confirmation of Minutes

That the minutes of the Infrastructure, Climate Change and Emergency Management Committee meeting held on 11 December 2024 (as circulated) be confirmed as a true and accurate record of the meeting.

Chase/Collis

Carried

8. Reports

8.1 Infrastructure Management Report

The Infrastructure, Climate Change and Emergency Management Committee considered the report of the Group Manager – Infrastructure dated 07 March 2025 providing an update on key activities and items of interest over the period 11 February 2025 to 7 March 2025.

A request was made for NZTA Technical Audit report to submitted to the Road Safety Committee.

Councillor Naioma Chase left the meeting at 2:59pm

A concern was raised about high speed areas which lead into tight turns that currently do not have impact signage. It was advised that work is managed in zones as opposed to roads on a case by case basis due to costs and manageability, and is an area that is being worked through to establish a firm plan for zoning.

Councillor Naioma Chase returned to the meeting at 3:01pm

Further clarification was sought regarding the Aerodrome Road work currently underway. It was advised that the road had been flagged for renewal due to the depressed centre of the lane causing water pooling and damage to the surface. Improved drainage has been added and road widening was undertaken to meet the road design standards for the volume of traffic using the road.

A concern was raised about the frequency of reporting of 3 Waters being monthly and with the current consultation taking place it would be beneficial to have more updates to offer the public and for Councillors to be better informed and offer the

community reassurance. It was advised that monitoring takes place weekly.

It was queried if a past decision to purchase a pre-treatment clarifier for the impounded supply was being actioned. It was advised that this was an option considered, however the focus is now on building resilience and maintaining current supply. It was also noted that the primary focus is on water quality and treatment at the catch point and not analysis of reasons for debris further upstream.

Councillor Mike Long left the meeting at 3:33pm

A concern was raised regarding whether the whale in the Woodville waste water treatment pond had increased. It was advised that this is currently unknown however has been identified in the Tararua District Council Long Term Plan with inspections to be conducted and process to follow.

Councillor Mike Long returned to the meeting at 3:35pm

Further clarification was sought regarding composting as an option for sludge management. It was advised that this option is being brought to the Advisory Group for consideration and further discussions with a consultant will be carried out to determine feasibility; more information is required. Current waste water standards are being reviewed.

The Solid Waste Manager provided an update to the Committee on the Waste-Ed programme to be held in the Tararua District in April. A series of free workshops will be held and three evening workshops with an entry fee of \$5 including a gift pack. Schools in the District have been invited and is a great opportunity to educate to reduce offensive waste in recycling bins.

That the report from the Group Manager - Infrastructure dated 07 March 2025 concerning the Infrastructure Management Report be received.

Franklin/Wallace

Carried

8.2 Portfolio Programme and Project Report

The Infrastructure, Climate Change and Emergency Management Committee considered the report of the Three Waters Manager dated 03 March 2025 providing an update on the key portfolios, programmes and project statuses.

The Three Waters Manager provided a brief overview of the report. It was advised that a funding application for the Lindauer Walkway is underway.

Discussion was raised regarding the Tararua – Land of Ranges signs. It was advised that it is costly to alter and install the signs. Installation would be required to be in line with NZTA specifications, limiting the options for placement in urban low speed areas for maximum effect. It was noted that further discussion is

required to determine placement of the signs.

It was requested that Elected Members be added to the Key Stakeholders section of the dashboard reports for projects.

It was noted that the work start date for the pipeline to the wetland outlined in the Eketahuna Wastewater Treatment Plant Upgrade report had moved from the 11 March 2025 to 19 March 2025.

That the report from the Three Waters Manager dated 03 March 2025 concerning the Portfolio Programme and Project Report be received.

Johns/Wallace

Carried

9. Items not on the Agenda

Nil

There being no further business the Chairperson thanked those present for their attendance and contributions, and declared the meeting closed at 4:10pm.

Chairperson



Report

Date : 10 April 2025

To : Chairperson and Committee Members
Infrastructure, Climate Change and Emergency Management Committee

From : Hamish Featonby
Group Manager - Infrastructure

Subject : **Infrastructure Management Report**

Item No : **7.1**

1. Recommendation

- 1.1 *That the report from the Group Manager - Infrastructure dated 04 April 2025 concerning the Infrastructure Management Report be received.*

2. Reason for the Report

- 2.1 This report is to update the Infrastructure, Climate Change and Emergency Management Committee on key activities and items of interest over the period 8 March 2025 to 4 April 2025.

3. Transport

3.1 Alliance Management Overview

As we come to the end of the construction season, the Alliance team have been focusing on completing the renewal programme before the weather turns.

The reseal programme has been completed with 65kms of road resealed. With the funding approved for the 2024-27 National Land Transport Programme, this year's reseal programme was the largest programme to be completed in the last 10 years with an average of 50kms sealed per annum over that time.

Rehabilitations are ongoing with the Aerodrome Road site in its finishing stages and the last two rehabilitations starting in April as detailed further in this report.

The Alliance has submitted an application to NZTA on behalf of TDC for funding of \$290,000 through Te Ahu a Turanga: Manawatū Tararua Highway Recreational Paths Fund. The funding would enable the first stage of a cycleway from the Woodville roundabout to the old Woodville cemetery to be constructed, as part of revocation works. We expect to hear the outcome of this application in April.

The entry the Alliance prepared on behalf of TDC for the Route 52 project is a finalist in the Āpōpō Asset Management Excellence Awards, in the Community category. Ten finalists were selected from entries from mainly roading and wastewater projects around the country. Alliance and TDC representatives will be attending an awards ceremony in Christchurch on 15 May.

Blake Hedley has been appointed to the Delivery Manager position. The Alliance is now recruiting to replace his previous position as the Recovery Manager and is also in the process of recruiting for the Asset Manager position.

3.2 Transportation Network Management Overview

3.2.1 Targeted Fund for Resilience

1. Improve Existing Infrastructure

This component seeks to address common infrastructure issues that can lead to extensive Emergency Works repairs. With increased high-intensity rainfall events recorded across the district, it is recognised that the current culvert infrastructure is no longer fit-for-purpose. The following initiatives have been identified to improve the resilience of our existing culvert infrastructure.

- (a) **Undersized culverts** proactively identify and address undersized culverts in vulnerable areas. Storms through 2022 and 2023 have proven that the root cause of a number of large and costly dropouts is the over-topping of undersized culverts.
- (b) **Culvert outlet protection** – uncontrolled release of water on erosion prone downslopes can lead to scouring and culvert outlet failures. Upgrading culvert outlets by the addition of low-cost culvert socks, flumes, bunding, rock outlet structures etc (based on priority) can prevent costly under-slip repairs.
- (c) **Protect vulnerable roadside downslopes** through the creation of Earth Bunding or Asphalt bunding, allowing us to manage uncontrolled discharges.

2. Improve Roadside Drainage

This component seeks to address issues created by the Tararua District's Highly erodible soils. High-Intensity rainfall regularly causes slips which block our roadside drains. The blocking of roadside drains often contributes to dropout on as water flows uncontrolled down the downslopes of road. Through

improvements of roadside drainage facilities, we can protect these downslopes from erosion and proactively prevent dropout failures.

- (a) **Installation of additional culverts** in highest risk areas – Slips often block roadside drains, which in turn pushes the water across the road, leading to underslips. The addition of a culverts in vulnerable areas can limit the volume of water passing slip zones, therefore limiting the volume of water crossing the road.
- (b) **Add capacity to surface water channels** in highest risk areas. The progressive development of decades has resulted in shallow roadside drains. Improving/Deepening roadside drains will assist in controlling water, and improve their ability to manage high-intensity flows.

3. Land Stability Slope Improvement

This component seeks to support the Horizons Regional Council and Ministry of Social development initiative to address Land Stability issues within the Road Reserve, or activities not able to be funded through the other entities.

- (a) **Implement upslope drainage solutions** to support the Horizons funding above the road to divert water away from vulnerable locations – Better management of water above the road can reduce soil saturation, and stop upslope erosion, leading to improved resilience of roadside infrastructure.
- (b) **Reinstate vegetation on roadside erosion prone slopes** it is proven that vegetation can reduce erosion of slopes. This is evident on areas of the network where the natural vegetation has not been removed. Reinstatement of vegetation on erosion prone embankments reduces slips and erosion leading to under-slips.

4. Coast Road – Beach Hill Resilience

Beach Hill above the settlement of Akitio is vulnerable to mass land movements. As only 1 of 2 access roads into and out of the isolated community, this road is important to protect. As loss of access on either route places the communities in this area at risk. This was demonstrated in Cyclone Gabrielle, when portions of both Coast Road, and River Road were washed out. Beach Hill became a critical access route for the communities and farms between the washout on Coast Road and Akitio. Since 2019 12 dropouts have occurred along the 1km of road length identified.

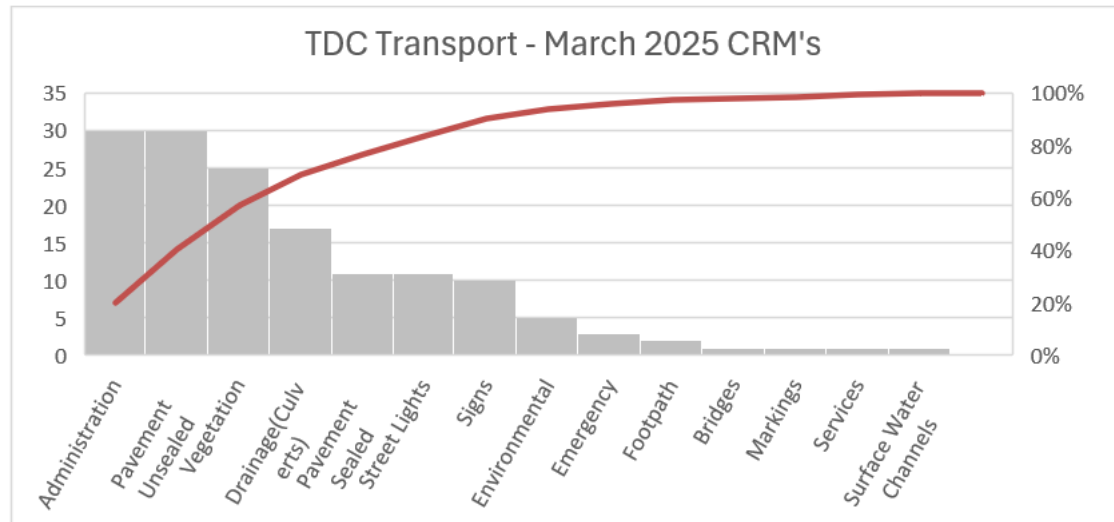
3.2.2 SH3 Revocation & Detour Roads Hand-back

Limited progress has been made throughout March, as NZTA's Business Case for the Gorge Revocation is still not available. We have been informed that it should be ready in three weeks. Following its release, a workshop is proposed between

NZTA staff and TDC/TA staff to establish a clearer scope, budgets, timeframes, and lines of communication.

3.3 Transport Operational Delivery Management Overview

Customer Requests



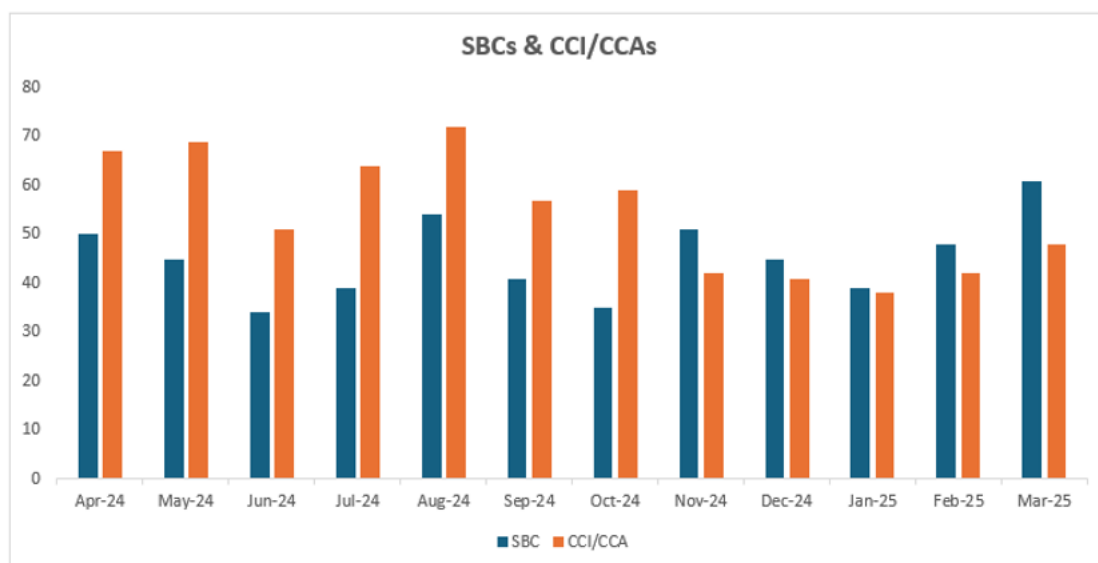
148 CRMs were received for the month of March with 32% resolved. 32% of CRMs required no action.

Tararua Alliance Zero Harm Performance Summary

Item	March 2025	FYTD
Total Incidents Reported	2	20
Near Misses	2	2
HiPo/Serious Harm	0	1
TRIFR	0	-
Recordable Injuries	0	0
Cardinal Rule Breaches	0	1
Incidents Involving a Critical Risk	3	18
Working Hours	36481	428071

The two incidents reported in March were minor. One involved a TTM truck getting stuck when pulling onto the shoulder of a road. The other involved a telecom line being struck when hand digging for a water leak.

There were two near misses. One was a logging truck was on the wrong side of the road causing an employee to brake suddenly. The logging truck was on the wrong side as it was pulling into a gateway. The other was a third party vehicle that drove through a TTM site while it was under a stop/go and the TTM worker was attempting to stop traffic.



In March, the Tararua Alliance achieved 100% of the target safety behaviour conversations (SBCs) and Critical Control Inspection/Audit (CCI/CCAs). The focus of the month's inspections and audits was mobile plant operation and traffic management.

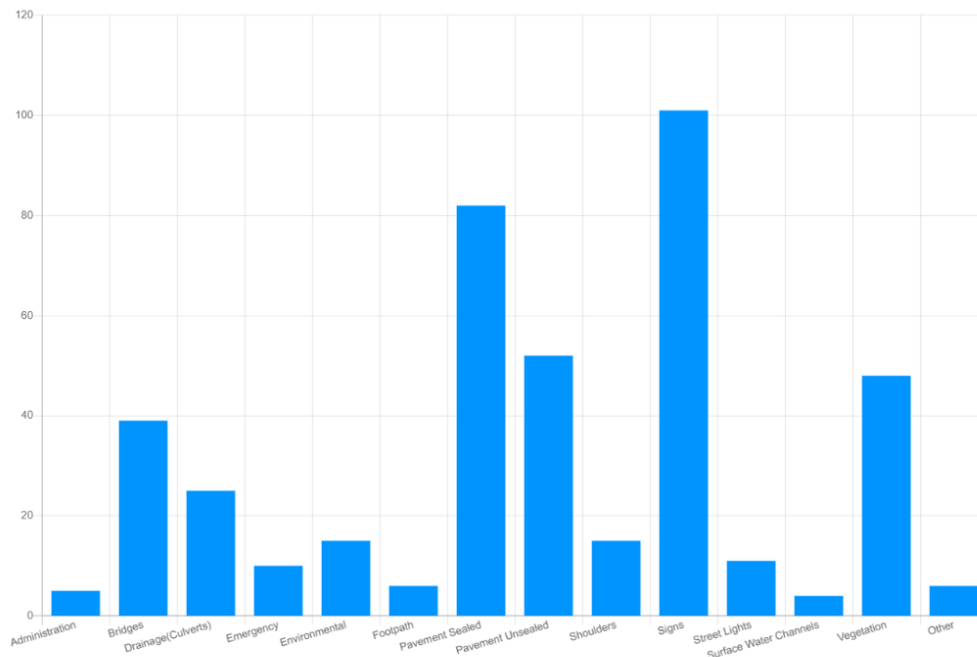
3.4 Maintenance Overview

3.4.1 Maintenance Delivery Overview

As we approach winter, there was a reduction of maintenance activities programmed for the month of March. What was completed was the last of the

stabilisation repairs, culvert replacements and programmed “high risk intervention required” potholes. Out of 49 total programmed activities there were 46 completed, one that was not completed is a culvert replacement on Grant Street Woodville - this project requires further scope, engineering and stakeholder engagement before the work commences.

Our maintenance teams are now transitioning into undertaking emergency work repairs from now through until the end of June. This will give these crews opportunity to branch out into different types of complex builds and will encourage growth and different skill-sets which are needed within our teams.



All Works – Dispatches Completed March 2025 – By Asset type.

3.4.2 Routine Maintenance

- 1984m2 sealed pavement maintenance repairs completed
- 56 potholes filled on the sealed road network
- 130 signs replaced, cleaned or repaired
- Graded 122 km of unsealed road
- 2124m2 Bridge cleaning
- 133m of new culverts installed
- 9.84km of overhanging vegetation

3.5 Renewals Overview

3.5.1 Reseal Delivery

The 2024/25 reseal programme has now been completed with the team completing 420,000m² (65km) of re-seals in the 24-25 Financial year.

Rehabilitations

2024/25 Programme			
Road	Start RP -End RP	Length	Phase
Maunga Road	7439 - 7839	400m	Complete
Aerodrome Road	361 - 1650	1289m	Sealing planed for 2 nd week in April
Maharahara Road	3256 - 3657	401m	Stabilising patches starting mid-April
52-0063	16333 - 17066	733m	Work starting mid-April
	Total	2,823m	

3.5.2 Rehabilitation Planning

We are currently ratifying next season's Rehabs. Onsite validation of historical and current faults are being assessed for severity and validation for rehabilitation and renewal. Once this is complete, the sites will be submitted to NZTA for final approval so the design phase can begin.

3.5.3 Rehabilitation Delivery

The construction team have been working away at getting the Aerodrome Road rehabilitation completed. The projected date for getting the 1290m sealed is programmed for the week of 7 April. There will then be a staged process of work being started on both Route 52-0063 and Maharahara Road.

3.6 Emergency Works Recovery

2024/25 FY - Emergency Works Forecast Expenditure

The Tararua Alliance is currently liaising with NZTA to increase the Emergency Works funding for the 2024/25 financial year as it is ahead of programme. The current forecast is to deliver \$29.7m. The current approved funding is \$28.4m. If the additional funding is approved, it will be at the enhanced FAR of 97.5% until the end of 2024/25.

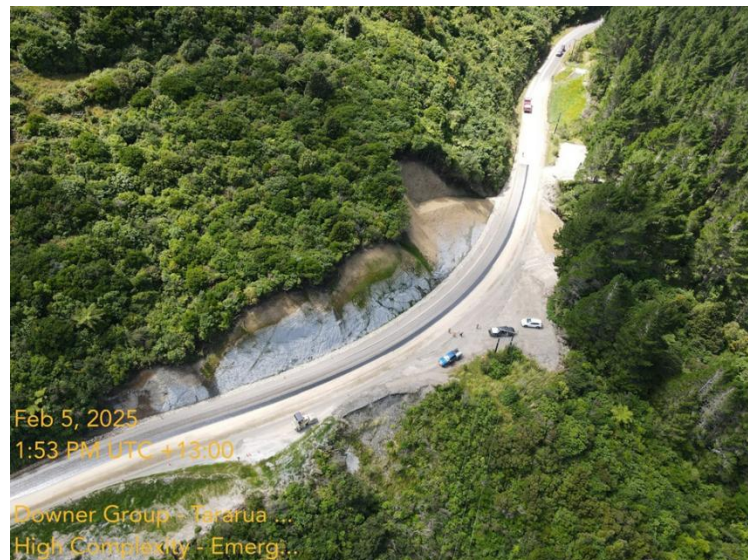
River Road, Akitio, RP20 Wakawahine

Construction is 90% through the build of the Eco Reef riverbank revetment wall at Wakawahine. This wall has driven piles every second Eco Reef at the base level to provide added stability on the soft riverbed foundation. The end result will form a resistant structure in a fragile area, providing additional pavement width and assurance to the community with reliable access.



Pahiatua-Pongoroa RP33km Retreat

This site is now complete with native fauna re-instate to be undertaken in the coming months. This project was carried out with environmental management at the fore working adjacent to, and in DOC land. The road retreat to avoid a large down slope drop out has provided a significantly safer and resilient network improvement.

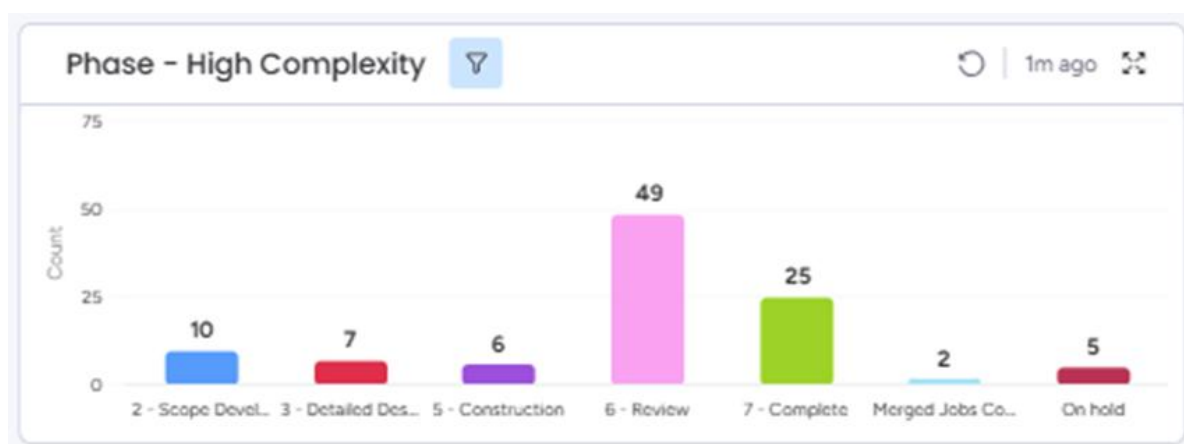


River Road, Akitio, 21km Sheet pile wall and culvert replacement

This site has a 35m long 9-metre deep interlocking steel sheet pile wall incorporating tie backs for added strength. Above the sheet pile wall back fill sits a MSE wall to pavement height. There was a challenging culvert replacement on the same site with a 30-year old steel armco culvert in a precarious state and near collapse. The challenge here was the depth of culvert below pavement, at nearly 7m deep - a careful approach was required to safely undertake the replacement and keep the road open. A ramp down approach was taken with the aid of a 36-tonne excavator. The culvert replacement was completed in a week with limited disruption to the public.



Current high complexity work phase for 2024-2025 programme



Progress since February 2025 is depicted below (snapshot taken 4th April 2025).
There were no jobs in approval startup during the month of March

Phase	February number	March number	Change
Scope development	9	10	-1
Detailed design	7	7	0
Approval/startup	3	0	3
Construction	8	6	2
Review	45	49	4
Complete	25	25	0
On hold	5	5	0

4. 3-Waters

4.1 Water Shortage Management Committee

The below was the outcome and communications of our last Water Shortage Management Committee.

Dannevirke:

Demand is slightly down this week, and the Tamaki River levels have raised slightly, but with the heavy rain also comes turbid water. Dannevirke has the highest number of water connections in the district, meaning more households, businesses, and services rely on this supply. Due to this reason, along with the predicted dryer weather for April, alternate day water restrictions will remain in place for now.

Pahiatua

Demand is slightly down this week, and the Mangatainoka river is recovering. However, due to the above reasons, alternate day water restrictions will remain in place for now.

Woodville

The Mangapapa River has recovered slightly, however it is still on the cusp of potentially going into low flow conditions. We are keeping an eye on this, and at this stage no restrictions are in place.

Eketāhuna

The Makakahi River levels are steady, and there are currently no concerns for the water supply.

Ākitio

The water supply in Ākitio is currently in a healthy state, however, due to the above reasons, the total outdoor water ban remains in place.

Pongaroa

Last week there was an issue with a broken joint to the raw water reservoir. Once this was fixed, it took a while to recover the treated water supply due to turbid water. Everything has now normalised, and there are no concerns for the water supply.

4.2 Woodville – Boil Water Notice

The boil water notice in Woodville was issued on Tuesday 25th March and lifted on the 1st of April.

A boil water notice usually remains in place until 3 days of consecutive clear water testing, an additional test was conducted for Crypto/Giardia. All test results came back clear.

Tararua District Council takes water safety very seriously, which is why we have a robust monitoring plan in place. The building is inspected daily, and traps and CCTV camera are in place, which allows us to detect and respond to any issues quickly. This is how we were able to identify the droppings and locate the possum in the rafters so promptly.

Our existing cameras and traps have been in place for some time, and while the entry point of the possum is unclear, it may have been an outflow pipe. As required by law, a boil water notice was issued, though all tests have shown no contamination, and none has ever been detected in years of monitoring. To ensure safety, we deployed an underwater drone, which confirmed the water was

clear, and a detailed inspection by a building inspector found no obvious entry points.

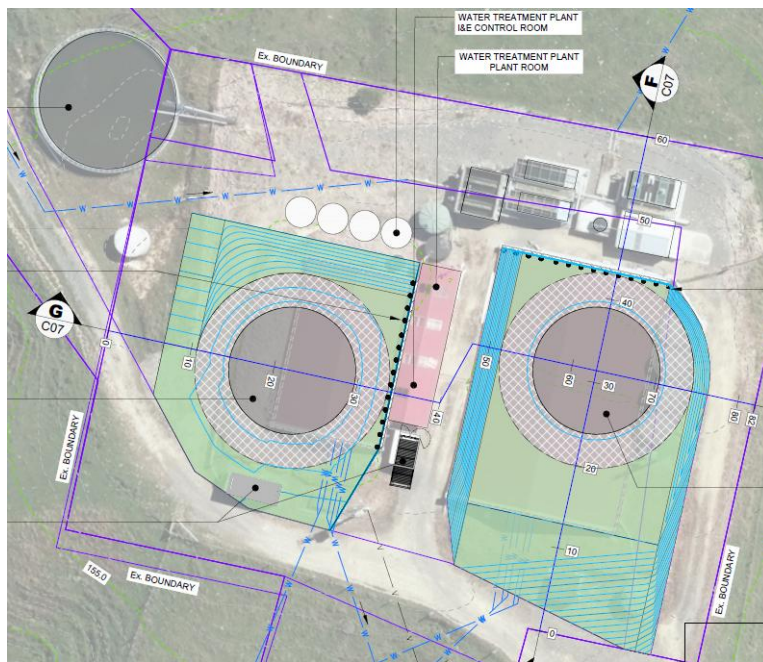
Woodville's two water reservoirs are over a century old, earthquake-prone, and classified as confined spaces. We have been progressing designs to address these issues, with plans to replace the existing rectangular reservoirs with two 1,100m³ circular tanks. A key challenge is ensuring the upgrades are completed while maintaining an uninterrupted water supply to the town. This is rates funded as there is no government funding or support for these upgrades.

Looking ahead, Council has allocated \$3,464,000 for the next four years to upgrade the Woodville reservoirs.

The following images are for information as relevant to show the futures plans for the Woodville site. The designs are still reliant on further technical appreciation and detailed design work. The progress of these reservoirs are monitored in the Portfolio, Programme and Projects sheets and are in coordination with our Reservoir programme – including our work stream with the second Dannevirke treated water reservoir.



Proposed location and design considerations of the new reservoirs.



Following our investigation into the site, we have identified one possible animal ingress route. An outflow pipe may have been an issue and has since been covered as below to stop any possible animal ingress.



4.3 Dannevirke Impounded Supply - Dive repair

Simultaneously with the Woodville incident, we experienced a spike in turbidity and flow in the impound monitoring. On the morning of March 26th, the flow had gradually increased since the 20th, but at 5:30am there was a noticeable jump. The report for March 26th indicated that the flow in the 2050 manhole was muddy, with a turbidity level exceeding 100 NTU.

As a precaution, we increased monitoring to daily data checks and physical inspections. We also halted further filling of the impound and opted for a reduced managed height. An underwater drone inspection was scheduled immediately. Due to heavy rain, we were unable to deploy the drone until Monday, March 31st.

Upon inspection, we identified the issue: Pin Hole 1 appears to have failed, as well as the nearby PVC pipe.

Attached pictured below.



New Plymouth Underwater are, as of the 9th April, conducting another dive operation in order to address this pinhole and cover with a sandbag.

A report from New Plymouth Underwater will then be issued as standard practice.

Having the underwater drone capability, organised operating procedures and the team now tested operationally twice in a short timeframe is certainly paying for itself.

4.4 Dannevirke Impounded Supply – Intake metering

The following data sets show the current known offtakes along our intake line.

Overall, we need to factor in that the below is raw data and needs further refinement. At this stage, it does indicate that the offtakes along the intake line do not present a significant reduction in our overall take. This will need further analysis and monitoring of the data over a longer period to fully appreciate the situation.

Future considerations to be investigated are around unknown losses. This will be managed by installing a new intake flow meter and undertaking a more accurate water balance by measuring the intake flow versus what enters the impound.

493 Laws Road



	m ³		m ³		m ³		m ³		m ³
14-Jan-25	1.31	31-Jan-25	32.8	17-Feb-25	12.1	6-Mar-25	2.67	23-Mar-25	20.55
15-Jan-25	24.17	1-Feb-25	49.4	18-Feb-25	25.2	7-Mar-25	6.32	24-Mar-25	15.21
16-Jan-25	62.401	2-Feb-25	48.27	19-Feb-25	8.44	8-Mar-25	15.63	25-Mar-25	15.29
17-Jan-25	46.679	3-Feb-25	33.64	20-Feb-25	25.95	9-Mar-25	8.08	26-Mar-25	30.06
18-Jan-25	16.94	4-Feb-25	24.93	21-Feb-25	20.35	10-Mar-25	1.57	27-Mar-25	20.33
19-Jan-25	19.61	5-Feb-25	26.65	22-Feb-25	16.76	11-Mar-25	1.37	28-Mar-25	20.5
20-Jan-25	20.22	6-Feb-25	26.61	23-Feb-25	21.17	12-Mar-25	0	29-Mar-25	11.51
21-Jan-25	32.2	7-Feb-25	25.16	24-Feb-25	11.63	13-Mar-25	0.01	30-Mar-25	0.62
22-Jan-25	31.58	8-Feb-25	26.09	25-Feb-25	32.73	14-Mar-25	5.05	31-Mar-25	0
23-Jan-25	24.14	9-Feb-25	13.23	26-Feb-25	33.14	15-Mar-25	3.33	1-Apr-25	0
24-Jan-25	40.05	10-Feb-25	69.11	27-Feb-25	29.3	16-Mar-25	1.48	2-Apr-25	0
25-Jan-25	33.74	11-Feb-25	18.56	28-Feb-25	30.93	17-Mar-25	0	3-Apr-25	0
26-Jan-25	41.83	12-Feb-25	6.57	1-Mar-25	29.16	18-Mar-25	2.08	4-Apr-25	0
27-Jan-25	27.82	13-Feb-25	12.49	2-Mar-25	2.56	19-Mar-25	2.99	5-Apr-25	0
28-Jan-25	20.6	14-Feb-25	6.92	3-Mar-25	8.7	20-Mar-25	0	6-Apr-25	0
29-Jan-25	10.26	15-Feb-25	5.27	4-Mar-25	5.13	21-Mar-25	3.87	7-Apr-25	0
30-Jan-25	20.88	16-Feb-25	13.92	5-Mar-25	3	22-Mar-25	8.74	8-Apr-25	0
85 days				1,428 m ³					

4785 - pump shed John Lamason



	m ³		m ³		m ³		m ³		m ³
23-Jan-25	0.07	9-Feb-25	0	26-Feb-25	5.61	15-Mar-25	0	1-Apr-25	0
24-Jan-25	0	10-Feb-25	7.61	27-Feb-25	2.4	16-Mar-25	0	2-Apr-25	0
25-Jan-25	0.56	11-Feb-25	0	28-Feb-25	0	17-Mar-25	0	3-Apr-25	0.76
26-Jan-25	7.96	12-Feb-25	0	1-Mar-25	0	18-Mar-25	0	4-Apr-25	4.66
27-Jan-25	0	13-Feb-25	0.03	2-Mar-25	0	19-Mar-25	0	5-Apr-25	0
28-Jan-25	0	14-Feb-25	8.28	3-Mar-25	7.21	20-Mar-25	0	6-Apr-25	0
29-Jan-25	0	15-Feb-25	0.67	4-Mar-25	0	21-Mar-25	0	7-Apr-25	0
30-Jan-25	0	16-Feb-25	0.61	5-Mar-25	0	22-Mar-25	7.5	8-Apr-25	0
31-Jan-25	11.56	17-Feb-25	0.25	6-Mar-25	0	23-Mar-25	0		
1-Feb-25	0	18-Feb-25	0.67	7-Mar-25	7.6	24-Mar-25	0		
2-Feb-25	0.03	19-Feb-25	12.05	8-Mar-25	0	25-Mar-25	0		
3-Feb-25	0.14	20-Feb-25	0	9-Mar-25	0.01	26-Mar-25	0		
4-Feb-25	7.32	21-Feb-25	7.21	10-Mar-25	0	27-Mar-25	0		
5-Feb-25	0.18	22-Feb-25	6.95	11-Mar-25	0	28-Mar-25	0		
6-Feb-25	0	23-Feb-25	0.27	12-Mar-25	0	29-Mar-25	0		
7-Feb-25	7.18	24-Feb-25	7.77	13-Mar-25	0	30-Mar-25	0		
8-Feb-25	0	25-Feb-25	0.37	14-Mar-25	7.78	31-Mar-25	6.44		
76 days				137 m ³					

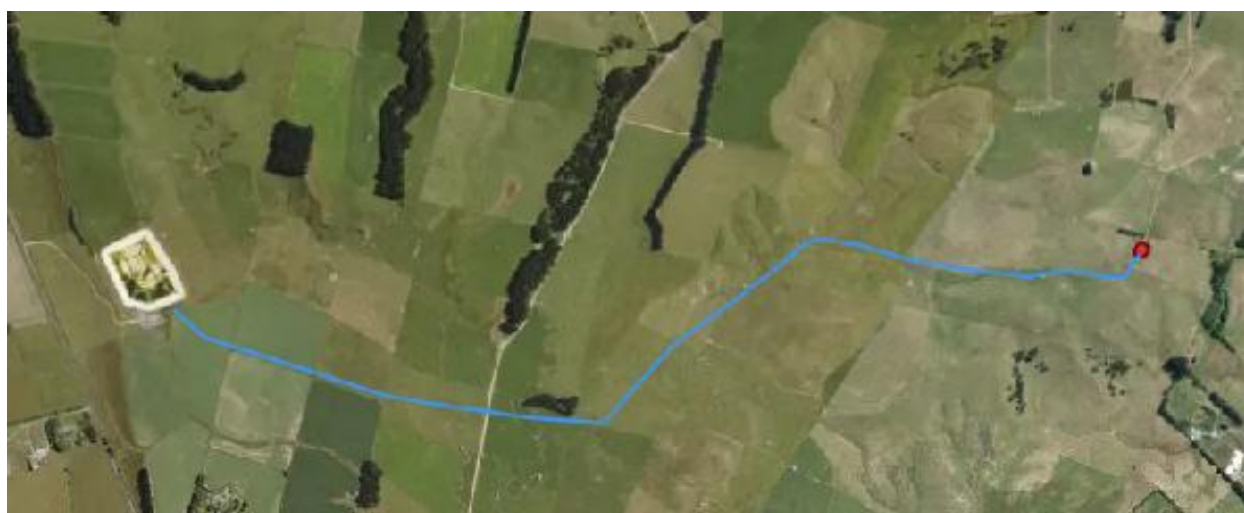
Lime Shed – Redlands farm



	m ³		m ³		m ³		m ³
4-Feb-25	0	22-Feb-25	6.619	11-Mar-25	5.571	28-Mar-25	0
5-Feb-25	0	23-Feb-25	0	12-Mar-25	0	29-Mar-25	4.919
7-Feb-25	0	24-Feb-25	6.645	13-Mar-25	5.058	30-Mar-25	4.665
8-Feb-25	0	25-Feb-25	7.067	14-Mar-25	5.247	31-Mar-25	4.682
9-Feb-25	0	26-Feb-25	0	15-Mar-25	5.076	1-Apr-25	4.491
10-Feb-25	0	27-Feb-25	0	16-Mar-25	4.917	2-Apr-25	0
11-Feb-25	1.127	28-Feb-25	0	17-Mar-25	0	3-Apr-25	0
12-Feb-25	7.263	1-Mar-25	0	18-Mar-25	5.115	4-Apr-25	5.465
13-Feb-25	6.063	2-Mar-25	5.4	19-Mar-25	4.961	5-Apr-25	4.613
14-Feb-25	5.164	3-Mar-25	0	20-Mar-25	0	6-Apr-25	3.904
15-Feb-25	5.151	4-Mar-25	0	21-Mar-25	4.853	7-Apr-25	4.005
16-Feb-25	5.115	5-Mar-25	0	22-Mar-25	0	8-Apr-25	0
17-Feb-25	0.054	6-Mar-25	2.803	23-Mar-25	0		
18-Feb-25	0.102	7-Mar-25	0	24-Mar-25	0		
19-Feb-25	0	8-Mar-25	3.159	25-Mar-25	4.954		
20-Feb-25	0	9-Mar-25	4.764	26-Mar-25	5.033		
21-Feb-25	0	10-Mar-25	5.72	27-Mar-25	4.987		
63 days				165 m ³			

Transmission pipe between Water Treatment Plant and reservoir 2

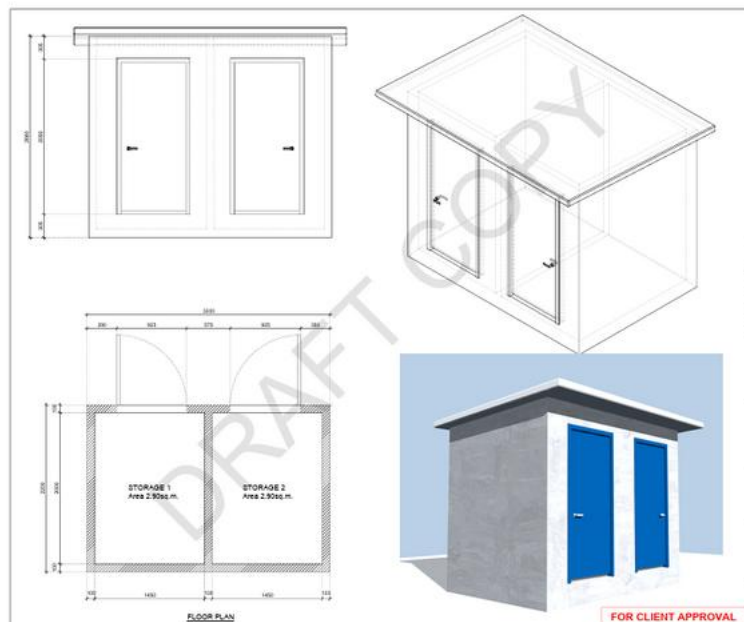
Overall, the patterns indicate that our unknown water losses along this line increase from Monday to Friday and decrease Saturday to Sunday. This leads to the assessment that the water is not necessarily a loss rather that it is due to usage. Future intentions are to start installing meters along this line, as we have for the intake line, to better understand the leaks versus usage. A flow meter is also to be installed at the end of the transmission main prior to entering the treated reservoir. Concurrently, a condition assessment is being organised regarding this pipeline.



	Leaving WTP (m ³ /day)	Arrives at reservoir 2 (m ³ /day)	Difference %		Leaving WTP (m ³ /day)	Arrives at reservoir 2 (m ³ /day)	Difference %		Leaving WTP (m ³ /day)	Arrives at reservoir 2 (m ³ /day)	Difference %		Leaving WTP (m ³ /day)	Arrives at reservoir 2 (m ³ /day)	Difference %
1-Jan-25	3,134	3,047	2.8	1-Feb-25	3,585	3,345	6.7	1-Mar-25	3,911	3,766	3.7	1-Apr-25	4,346	4,003	7.9
2-Jan-25	3,293	3,254	1.2	2-Feb-25	3,509	3,424	2.4	2-Mar-25	4,007	3,992	0.4	2-Apr-25	4,032	3,745	7.1
3-Jan-25	3,318	3,213	3.2	3-Feb-25	4,756	4,510	5.2	3-Mar-25	4,873	4,662	4.3	3-Apr-25	3,772	3,474	7.9
4-Jan-25	3,242	3,029	6.6	4-Feb-25	4,756	4,452	6.4	4-Mar-25	4,330	4,051	6.4	4-Apr-25	3,364	3,174	5.7
5-Jan-25	3,253	3,181	2.2	5-Feb-25	4,977	4,676	6.1	5-Mar-25	4,320	3,927	9.1	5-Apr-25	2,997	2,960	1.2
6-Jan-25	4,146	3,719	10.3	6-Feb-25	4,125	4,004	2.9	6-Mar-25	4,334	4,045	6.7	6-Apr-25	3,298	3,237	1.9
7-Jan-25	4,216	3,862	8.4	7-Feb-25	4,722	4,417	6.5	7-Mar-25	4,463	4,115	7.8				
8-Jan-25	4,186	3,857	7.8	8-Feb-25	4,279	4,162	2.7	8-Mar-25	3,320	3,168	4.6				
9-Jan-25	4,337	3,919	9.6	9-Feb-25	4,342	4,288	1.3	9-Mar-25	3,295	3,093	6.1				
10-Jan-25	4,509	4,105	8.9	10-Feb-25	5,021	4,767	5.1	10-Mar-25	4,194	3,926	6.4				
11-Jan-25	3,591	3,411	5.0	11-Feb-25	4,512	4,248	5.9	11-Mar-25	4,373	4,015	8.2				
12-Jan-25	3,420	3,217	5.9	12-Feb-25	5,033	4,767	5.3	12-Mar-25	4,220	3,896	7.7				
13-Jan-25	4,440	4,172	6.0	13-Feb-25	5,085	4,850	4.6	13-Mar-25	4,331	3,980	8.1				
14-Jan-25	4,722	4,355	7.8	14-Feb-25	5,121	4,862	5.1	14-Mar-25	4,417	4,071	7.8				
15-Jan-25	4,611	4,290	7.0	15-Feb-25	4,072	3,972	2.5	15-Mar-25	3,408	3,228	5.3				
16-Jan-25	4,719	4,368	7.5	16-Feb-25	3,921	3,879	1.1	16-Mar-25	3,481	3,332	4.3				
17-Jan-25	4,515	4,168	7.7	17-Feb-25	4,537	4,258	6.2	17-Mar-25	4,401	4,086	7.2				
18-Jan-25	3,730	3,555	4.7	18-Feb-25	4,740	4,530	4.4	18-Mar-25	4,243	3,925	7.5				
19-Jan-25	3,718	3,593	3.4	19-Feb-25	4,753	4,488	5.6	19-Mar-25	4,026	3,720	7.6				
20-Jan-25	3,727	3,663	1.7	20-Feb-25	5,063	4,850	4.2	20-Mar-25	4,130	3,781	8.4				
21-Jan-25	4,785	4,548	4.9	21-Feb-25	4,789	4,471	6.6	21-Mar-25	4,195	3,842	8.4				
22-Jan-25	4,621	4,334	6.2	22-Feb-25	3,976	3,831	3.7	22-Mar-25	3,362	3,220	4.2				
23-Jan-25	4,994	4,688	6.1	23-Feb-25	4,055	3,982	1.8	23-Mar-25	3,328	3,237	2.7				
24-Jan-25	4,832	4,422	8.5	24-Feb-25	4,950	4,759	3.9	24-Mar-25	4,122	3,825	7.2				
25-Jan-25	4,108	4,016	2.2	25-Feb-25	4,921	4,722	4.0	25-Mar-25	4,325	3,960	8.4				
26-Jan-25	3,417	3,244	5.1	26-Feb-25	4,891	4,609	5.8	26-Mar-25	4,379	4,038	7.8				
27-Jan-25	4,344	4,004	7.8	27-Feb-25	4,509	4,239	6.0	27-Mar-25	4,599	4,238	7.8				
28-Jan-25	4,752	4,413	7.1	28-Feb-25	4,772	4,477	6.2	28-Mar-25	4,314	3,956	8.3				
29-Jan-25	4,525	4,174	7.8					29-Mar-25	3,512	3,411	2.9				
30-Jan-25	4,603	4,248	7.7					30-Mar-25	3,349	3,256	2.8				
31-Jan-25	4,421	4,107	7.1					31-Mar-25	4,366	4,000	8.4				
96 days				404,000 m ³ left Treatment Plant				380,000 m ³ arrived at the reservoir				Difference 24,000 m ³			

4.5 Pahiatua Chemical Relocation

Plans have been made to work to the installation of Chemical shed to accommodate the relocation. Work is being coordinated to ensure that the move is a permanent fix that considers our daily operations and will shortly have a confirmed installation date.



4.6 Wastewater Treatment Programme Upgrades

Key upgrade projects are discussed within the project sheets.

4.6.1 Woodville Pond 2 Liner

We are currently drafting a business case to outline the considerations for future works, post our intervention work and investigation.

4.6.2 Pongaroa

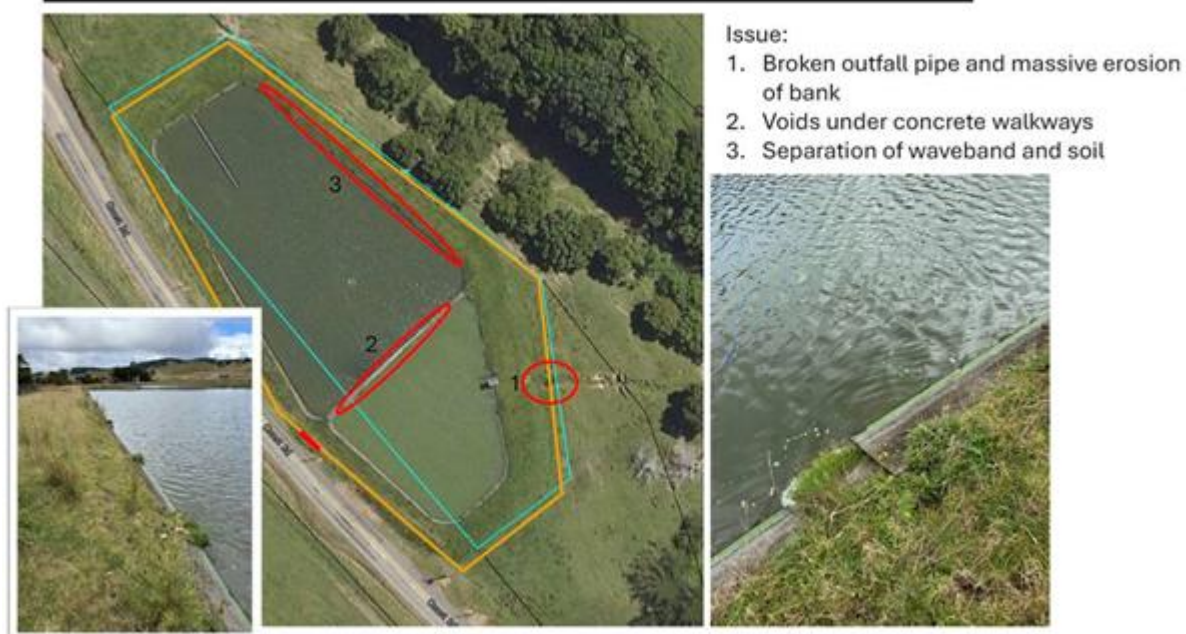
Effectively, Pongaroa outfall pipe rectification and void fillings in the pond dividers are required urgently.

It has come to our attention that from a condition assessment by ENGEO across all the wastewater pond sites in the district, there are several observations at Pongaroa WWTP that are deemed as unsatisfactory in terms of infrastructure integrity. As such, an earthworks contractor was engaged to quickly scope out the remediation works required to address ENGEO's recommendations.

Primarily, ENGEO pointed out the continuous erosion of the outfall bank due to a broken outfall pipe, voids in the pond divider and broken waveband around the ponds. As the site has historically struggled with a small ingress, it is an opportunistic time to expand the ingress for safer entry into the site, and made

less restrictive for larger vehicle entry for works around the ponds without obstructing the main traffic.

Pongaroa WWTP – ENGEO Findings



4.6.3 Effectively the fix compromises:

Fill in holes in concrete between ponds (with concrete). Dig out slump, put in new discharge pipe. Back fill with rocks and build retaining wall 1200 high with railway irons and timber. This work has been scheduled 28th April.

4.6.4 Trade Waste

Noting the new Trade waste bylaw is still in progress, we have been working on finalising for review proposals for fees and charges. For this we have engaged the Wastewater Specialists and have the following commentary from our preliminary reviews.

This proposed revised Trade Waste charging mechanism for TDC should be viewed as a first step. The resource consent for the Dannevirke WwTP expires in 2027. It is considered likely that, when renewed, conditions in the consent will become significantly more stringent. We expect the future consent to include conditions on ammonia and/or total nitrogen. Depending on these future conditions, a further upgrade to the Dannevirke WwTP may be required, and it may be necessary to install an activated sludge-based treatment process to meet future consent conditions. This would likely result in a further increase in operational costs. If the Dannevirke WwTP is activated sludge-based in the future, it will also be appropriate to include a \$/kg nitrogen charge in the Trade Waste charging mechanism. This would likely have further implications to the cost of treating wastewater.

Further work is being undertaken to ensure that our mechanism for charging is robust and considerate of our ongoing operations. Once we have established a proposal we will bring this back for discussion with council.

4.6.5 Sludge Management

We have underway a significant removal of our old sludge from the Pahiatua site. Fortunately, we've been able to dispose of it at the Central Hawkes Bay landfill. At the same time, we are planning a composting trial for this upcoming summer. This timeline allows us to carefully plan the operation and gain a better understanding of the potential implications and risks involved in the process.



4.6.6 **Proposed new Wastewater standards**

Proposed Wastewater Standards would affect the WwTPs in the Tararua district.

<https://korero.taumataarowai.govt.nz/regulatory/wastewater-standards/>

The Wastewater Specialists provided some overall commentary for Tararua to consider.

Assuming the proposed standards are adopted:

Dannevirke, Pahiatua and Woodville would almost certainly require activated sludge plants of some sort to meet the proposed ammonia and total nitrogen limits based on the dilution available in the receiving watercourses. This would come into effect when the current consents expire (Dec-27, Jul-33, and Dec-37 respectively).

The requirements for Pongaroa, Eketahuna, Ormondville and Norsewood are less certain. As it stands, each of these would be classified as a Small Wastewater System, and a lower level of treatment would apply. The proposed standards don't indicate what treated effluent quality would likely be required for small systems, although the supporting document suggests that full nitrification would still be required except where there is a high level of dilution available in the receiving watercourse. A high level of dilution may be available at Ormondville, in which case a pond system may provide the required level of treatment, but at Pongaroa, Eketahuna and Norsewood it's unlikely that pond systems would be adequate on their own. This increased level of treatment would apply when the existing consents expire.

While the wastewater standards won't be finalised for a while, they will obviously impact on the appropriate way forward for TDC, and will have a significant financial impact.

The details of this are still being finalised and we will monitor the developments closely as we progress with our wastewater programmes.

4.6.7 **Reticulation network**

The renewal programme for our reticulation network is being reorganised. As a result of the changes last year that were made during the Long-Term Plan to budgets and a review of our asset renewals – we have some significant work to get through. We are reviewing the budgeting, programme schedule and resourcing.

Currently, the team is strained with ongoing callouts and reactive maintenance that redirects resources away from the full renewal programme. A future consideration is the new proposed engineering standards that indicate additional requirements for reticulation installations.

Once completed recommendations for Council to consider will be presented at a future ICCEM.

Water reticulation renewals.

1,515 m completed year to date

Wastewater reticulation renewals.

485 m completed year to date

Waste disposal incurs an additional cost for contaminated waste disposal to Bonny Glen landfill.

4.6.8 Norsewood network flushing

Below is a section of the Norsewood network, which has been severely impacted by years of buildup, a major factor affecting the quality of water across the network. We now have aesthetically clear water coming from the treatment plant and the next step is to flush the network. The installation of flushing valves has been a critical next step in cleaning the network. Although we faced some isolated resistance to these installations, we have successfully completed them and have scheduled the No-DES flushing to begin. Communications have been sent out as this work has progressed.

**4.7 Consenting and Compliance**

Our Compliance team submitted the Annual reporting. Following some general software issues that have necessitated an extension to the time for submission we will review our current software. All registered drinking water suppliers must ensure the water they supply is safe and that it complies with legislative requirements, including the reporting requirements of the Rules.

The current consent work has been deconflicted where needed and our pathway forward has been established. We are now working through the future pipeline of work to better resource and coordinate the work.

On the 23rd March we received the Annual Compliance Audit Report ‘Eketahuna Wastewater Treatment Plant’. As a result of the compliance audit the following actions were taken:

- A Significant Non-compliance grading was issued which detailed and explained in the Annual Compliance Audit Report for 1 July 2023 to 30 June 2024 (submitted to TDC on 28 March 2025)
- Formal Warning 655 is issued on TDC with regard to the Eketahuna Wastewater Treatment Plant.

The nature of the breach resulting in the formal warning is for not having the Wetland treatment system installed and operational as required by Resource Consent. Additionally, the discharge levels for DRP and E.coli exceeded limits as required by Discharge to Water condition.

The overall circumstances of this non-compliance have been considered and it has been determined that **no further enforcement action will be taken on this occasion**; however, the formal warning will be considered and may be referred to should further non-compliance be detected.

We have worked hard over the last year, since conducting handovers and programme realignment with our stakeholder groups to establish our direction and get momentum going on our wastewater programmes. Having this issued is due process and having all of our stakeholders aware of our overall works programme means we can continue on with our direction in order to meet our legal requirements and achieve the best possible outcomes for our district.

5. Solid Waste

5.1 Operational Activities

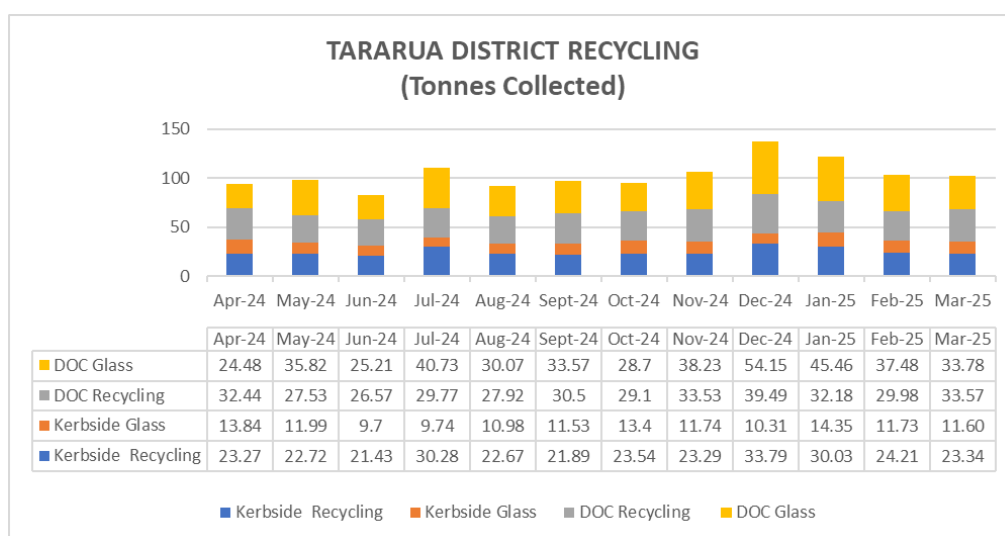
Budget/Activity	
Refuse Transfer Stations (RTS Sites)	Dannevirke Transfer Station is operating well with nothing to report. Break ins: Woodville Transfer Station has had the gate lock cut again, and again they also cut the Lock into Murray Contractor’s yard, to access the loader onsite. We have replaced the lock with one that can’t be cut. Pahiatua Transfer Station still has unauthorised nighttime entry, unfortunately, camera’s onsite are giving us no information to date.

Budget/Activity					
	Illegal Dumping is happening more and more at the Woodville Transfer Station, whilst we are closed. As you will see in the photo the lock had been cut. We will be setting up surveillance. <i>(see picture below)</i> <u>March 2025:</u> <table> <tr> <td>Waste diverted from landfill</td><td>1.36 Tonne</td></tr> <tr> <td>Contaminated recycling to Landfill</td><td>5.61 Tonne</td></tr> </table>	Waste diverted from landfill	1.36 Tonne	Contaminated recycling to Landfill	5.61 Tonne
Waste diverted from landfill	1.36 Tonne				
Contaminated recycling to Landfill	5.61 Tonne				
Recycle Drop-off Centres (DOC Sites)	We are experiencing increased contamination in the Town Drop off Bins.				
Kerbside Recycling Services	Kerbside collections are going well, and we have removed another highly contaminated bin from circulation, containing maggots! We've also experienced a suspected Hot Load in the kerbside Truck, luckily it wasn't, it was just vacuum cleaner contents, although not recyclable. We did execute precautionary fire mitigation procedures and unloaded the truck at RTS immediately in a safe contained area away from the public. We are about to hire a kerbside operator to partner up with our main Operator, who will be sharing the load of driving the kerbside truck and bin auditing, then they pair up on kerbside glass service week. Our Hook Truck will be in full action once kerbside hand over is complete.				



Woodville RTS illegal dumping outside gate when closed.

5.2 Waste Minimisation



Attachments

Nil.



Report

Date : 10 April 2025

To : Chairperson and Committee Members
Infrastructure, Climate Change and Emergency Management Committee

From : Peter Sinclair
Emergency Management Advisor

Subject : **Review of Hawkes Bay Cyclone Gabrielle Review**

Item No : **7.2**

1. Recommendation

- 1.1 ***That the report from the Emergency Management Advisor dated 07 April 2025 concerning the Review of Hawkes Bay Cyclone Gabrielle Review be received.***

2. Reason for the Report

In this report, we aim to investigate the core components of emergency response, particularly focusing on the 4 R's: Reduction, Readiness, Response, and Recovery, with a specific emphasis on the recovery phase. This phase is pivotal as the event remains fresh in our collective memory, affording us a clearer perspective on reduction and readiness strategies. The cultivation of resilience and preparedness is paramount during the recovery period. By internally reviewing the Hawkes Bay independent review within this recovery context, we seize an invaluable opportunity to distil key insights to implement across our district before similar extreme weather events happen.

Furthermore, it is important to acknowledge that while Cyclone Gabrielle impacted the Tararua District, we were fortunate to avoid widespread damage to our townships, unlike the Hawkes Bay region. We acknowledge that if the event had covered our urban areas as well, we would not have had the capacity to respond effectively. By delving into the findings of the Hawkes Bay Civil Defence Emergency Management (HBCDEM) Report, we can pull out valuable insights from the recommendations put forward in their evaluation. This proactive approach positions us to be better equipped for future large-scale events.

3. Introduction

Expanding on and reviewing the Hawkes Bay CDEM Review lessons learnt for preparedness and resilience within the Tararua District can provide insights into the effectiveness of disaster response efforts, the resilience of communities, and the lessons learnt to enhance future preparedness and response strategies.

Tararua District and Hawkes Bay District both have had significant rural land damage, but the extent of the Hawkes Bay District damage on their urban areas is something we can look at and learn from. This will better prepare our urban areas to ensure we have critical businesses open in the immediate aftermath of the next disaster and the towns back up and running faster, as well as home/accommodation support for/if people/families become misplaced. Ultimately, this will ensure we have a plan, relationships and a well-prepared district.

The format of this report will be broken down into the following 4 sections: Regional Lessons, Emergency Management recommendations, PIM/Communications recommendations and Recovery Recommendations. Inside these sections we will list relevant lessons and recommendations pulled directly from the HBCDEM Cyclone Gabrielle report that have relevance to our own response and CD operations. Comments are then made as to how this recommendation/lesson has been applied or how we can address this moving forward.

4. Regional Lessons –

Hawkes Bay Lessons in italics

- 4.1 *“It is a profoundly counter intuitive feature of New Zealand’s emergency management system, that as a crisis builds, and a declaration of emergency made, the command and coordination function goes to local council staff who, while they may be well intentioned about their roles, are inconsistently trained in the national Coordinated Incident Management System (CIMS), often lack operational experience and, as response moves into recovery, have full time day jobs with which to contend.”*

Tararua District Council CDEM consistently invests in training staff in CIMS. We currently have 3 staff who have controller training and a number of staff have training in function specific roles. We utilised 62 staff during the cyclone response who all now have Emergency Operations Centre experience. Regarding recovery, we were fortunate central government funding has allowed Council to maintain a dedicated recovery team solely for this purpose.

This report (and others) makes clear that emergency management in New Zealand has significant issues with workforce capacity and capability. While Council has been able to maintain a relatively strong capacity for the operation of an EOC (in

comparison to other councils in the region) it is clear that, as with Hawkes Bay, any medium-large scale event would quickly overwhelm Council resources.

While Council's EOC capability has increased in recent years Council only has one FTE in a fulltime emergency management role. All other roles are filled on a 'voluntary' basis and with staff resources strained there is little time to take up the opportunity of ongoing training and exercising that is needed to provide an effective response. Due to the intermittent nature of emergencies, training may have been undertaken months or years before it is used in an event.

This event is the first time that central government has directly funded disaster recovery and this funding may not be available for future events. It should be noted for example that the post 2019/20 drought recovery plan was only partially implemented as recovery staff moved back into business-as-usual roles without capacity to deliver the plan.

During the Gabrielle response staff were away from their day jobs for some time and this led to pressure to continue with them during response, to wind the response up quickly to move staff back to BAU, and significant delays and pressure post response as work is caught up.

Action: Explore adding recovery and community development into staff responsibilities.

Action: Implement a funding strategy for recovery

Action: Workshop large-scale event scenarios

Action: Complete the NEMA capability self-assessment tool

Action: Stay up to date with the updating CDEM Guidelines

- 4.2 *"CDEM staff were overconfident about their readiness on the basis of prior emergency events such as COVID-19. They lacked a scenario planning mindset, had low multi - agency operational exercise experience and suffered from optimism bias. We have formed the view that they tended to take a best case scenario rather than a precautionary approach to planning, communication and warnings."*

Tararua recognises the importance of integrating flooding scenarios into its training programs and the critical role of resilience in both readiness and recovery efforts. Strengthening resilience enhances the community's ability to withstand, adapt to, and recover from crises, fostering collaboration, mutual support, and resourcefulness among members. This collective approach enables effective resource mobilisation and the rebuilding of social structures.

We are aware of ongoing regional efforts to implement scenario-based training, and we will actively participate in these initiatives. The Council chairs the Emergency Management and Local Welfare Committees, which facilitate multi-agency planning and relationship-building. While these groups are generally well

attended by agencies, participation from Council staff is limited to a few key individuals, with others who would need to collaborate across agencies often not attending due to business as usual commitments.

Action: Participate in regional scenario training

Action: Workshop large-scale event scenarios

Action: Complete the NEMA capability self-assessment tool

- 4.3 *“Communities, volunteers, the contractor sector, businesses and utility providers provided critical and heroic response activity. These local resources were not well utilised by the CDEM Group in the response to this event.”*

Tararua can use this lesson learned to be able to plan for the next event to use the resources to their full capacity. This needs some attention in the planning process for the next event on how, who and what local resources can be utilised. E.g. Honda has access to generators, so we need to plan who and how they are distributed to the affected areas appropriately.

Additionally, our TDC Incident Management Team (IMT) need to get together to workshop this and/or the managers need to look at their resources in peace time.

There were a number of emergent leaders and groups during Gabrielle and these were utilised by the EOC when they were identified e.g. Herbertville and Te Uri.

We know communities and local volunteers are the foundation of any response, so the Recovery Plan has focused on building resilience in impacted communities and by developing and supporting volunteer civil defence groups. Since the event 7 groups have developed. These groups will require ongoing support to continue with their exercises, training, and development of response plans in collaboration with their communities. This work requires a high level of engagement that is currently provided by the Recovery Team, until disestablished, and the EMO. Currently, there is no specific community engagement function built into Council.

This leaves the question of resilience building and volunteer civil defence groups for our towns. Most towns have a civil defence volunteer group in place at varying levels of capacity and capability. There has been no specific resilience development work however this could be part of community development plans being worked on in Woodville and Norsewood.

Action: Workshop Community Resources available during an event

Action: Explore resilience building options for urban civil defence groups

- 4.4 *“Engagement of iwi Māori and Māori communities was more a matter of ad hoc relationships than the product of systematic and formalised effort.”*

Engagement with local Iwi and marae is a fundamental part of our civil defence preparedness activities. Co-ordinated Incident Management System (CIMS)

training and quarterly civil defence meetings contribute to a consistent level of engagement and strong relationships in this space.

During our Gabrielle response we had both Iwi heavily involved with the emergency management team using their networks and systems to reach out to communities. They were also part of our daily brief's and debriefs. Emergency Management is a key connector in its partnerships with Kahungunu ki Tāmaki-nui-a-Rua and Rangitāne o Tamaki nui-ā-Rua. Through the CDEM ACE fund Council has provided emergency management training and iwi are involved in EMC and Local Welfare Centre (LWC) meetings. Ngāti Kahungunu managed the only civil defence centre which stood up during the event and previous 4WD training provided by Emergency Management to their volunteers proved invaluable in resourcing the welfare convoys.

Action: Strengthen Iwi engagement processes for an event.

- 4.5 *“The Group Emergency Co-ordination Centre (GECC) needed clearer protocols for engagement with other Territorial Local Authorities (TLAs) and their EOCs and with first responder command centres. Communications failures and the lack of integrated systems made it hard for responders to work to a common operating picture.”*

Tararua recognises the importance of clear protocols for inter-agency engagement and communication. While this issue persists across Councils, ongoing efforts of inter-council collaboration aim to strengthen operational ties between TLAs. Additionally, Tararua benefits from a clear and distinct governing area, minimising confusion with the Regional Civil Defence group.

One area that has been identified for improvement is the need for integrated or more accessible systems across agencies, specifically Geographical Information System (GIS). This is an ongoing workstream across agencies to improve efficiencies and information sharing.

Council needs to continue to press at the national and regional level for the development of common operating systems across local government, emergency services, and critical infrastructure providers.

Action: Advocate for development of common operating systems across LG, emergency services and lifelines

- 4.6 *“GECC communications were seen by many in the community as generic, lacking timeliness and overly focused on social media as opposed to mainstream media channels.”*

This was already a concern for Tararua right from the beginning of response. We have taken active steps in improving how we communicate with our communities in another event such as new CD radios (VHF/HF/ Sat phones), Starlink – to

Emergency Hubs and cell tower back up power. Within Recovery we have encouraged people within Community wellbeing events to get to know their neighbours as they may be the source for them to be kept informed during an emergency.

Additionally, an important focus of the Tararua communications team is to work with radio stations. These include both the larger radio stations and smaller community radio stations. Part of the comms team Civil Defence messaging is also about promoting radio usage during CD situations and promoting local radio frequencies.

- 4.7 *“Tailored planning for and support from CDEM to migrant, remote, disabled and vulnerable communities also underutilised the available agency, volunteer and community resources; and”*

Tararua CDEM continues to work with isolated communities and establish civil defence groups. These groups are offered training and provided with resources to respond to an event in the future.

Within Recovery we have addressed physical access needs for the Tararua District and have planned for better access to remote emergency hubs for physically disabled people by installing disability ramps where needed, and better equipping the groups to house anyone they need to.

There is a need to explore how we can better reach our migrant, disabled and vulnerable communities. We currently engage with Te Whatu Ora, Police and other welfare agencies through the Welfare CD function and rely on their expertise.

Action: Workshop Community Resources available during an event

- 4.8 *“The GECC focused their advice to mayors about the possible declaration of a state of emergency on the need for supplemental powers, rather than on the signalling and public reassurance impacts of such a declaration. In the lead up to the event, civic leaders asked the right questions, but received technical answers. This, along with low situational awareness early in the event, meant the declarations were made too late, in spite of being promptly signed by mayors.”*

Tararua District was proactive in declaring a state of emergency, being among the first regions to do so. Our Mayor, Controllers and Response Manager are all well trained in events and worked well together to make the decision to declare. We continue to keep our Mayor and IMT well informed when adverse weather is approaching, should the need for an early declaration arise.

- 4.9 *“The future regional model we propose centres on using regional hubs to concentrate nationally assured and accredited professional emergency management expertise, which improves planning and Response. We also suggest enhancing local and mana whenua networks and self-sufficiency, which goes to improved Reduction, Readiness and community Resiliency.”*

This statement aligns with Tararua's commitment to the Emergency Community Hub project to better prepare communities for future disasters. Through the support of MPI we have equipped 8 rural isolated Civil Defence emergency hubs with equipment to provide them better self resilience should they again be isolated. With the additional funding provided through DPMC we are able to equip 5 urban communities as well. This adds to the 5 community civil defence groups we already had pre-cyclone. All of these groups have a Civil Defence plan.

Council is part of the Manawatu Whanganui Civil Defence Emergency Management (MWCDEM) Group. The availability of professional emergency management professionals is less than the number that were available to the Hawkes Bay response.

Action: Explore resilience building options for urban civil defence groups

5. Emergency Management Recommendations

Hawkes Bay review recommendations in italic

5.1 *Develop, implement and communicate a regional **Disaster Readiness Plan** in partnership with local partners and communities. The Plan should include:*

a) Formalised utilisation of indigenous knowledge and Kaupapa Māori approaches to land and water management and the 4 Rs.

b) Readiness operations such as:

- i. River management (dredging, maintenance of river mouths and tributaries etc.)*
- ii. Stop bank planning and maintenance.*
- iii. Drain and flood scheme maintenance.*
- iv. Management of forestry by products.*
- v. Stormwater management plans.*
- vi. Plans for mitigation of utility and service outages; and*

c) Targeted sub plans for particular communities, including migrant, disabled, vulnerable and remote communities.

It is crucial that we maintain and strengthen the efforts of reduction and readiness planning initiatives for the Tararua District. This will ensure we can enhance our level of preparedness and resilience to effectively respond to any future adverse event.

The regional CDEM group has a disaster readiness plan in place that is currently being reviewed. They will continue to review these as required and build awareness of this plan. Tararua CDEM is involved with this process to ensure that the Tararua District is accounted for.

The Tararua District Civil Defence plan has been reviewed by the Emergency Management Officer.

Action: Support the updating of the regional disaster readiness plan
Action: Stay up to date on progress of regional projects

5.2 *“Establishing reliable detection and early warning systems.”*

Our partner agencies have projects are underway across our district to help improve this (NEMA, Horizons and MPI). I.e. new river monitoring systems, new weather towers, updated policies and modelling.

We have strong connections in these areas and will keep up to date on the progress of these projects.

We have a Tsunami Action Plan that focuses on getting lifesaving information to our vulnerable coastal communities and our CD Community groups in these coastal areas have all been given a copy of the plan.

Action: Stay up to date on progress of regional projects

5.3 *“Ensuring CDEM staff and partners have contemporary and comprehensive knowledge of communities to enable access to real time information. This should include an up to date and accessible GIS system.”*

We are moving to a new GIS software within ArcGIS called Local Maps. The intention of this change is to improve accessibility and usability across Council services. Emergency response was one of the key deliverables of this project.

Secondly, Council is always looking to enhance our knowledge of communities, their needs and what risks they may face. Flood plain modelling, liquefaction zones and an updated fault map are some of the areas that have been improved to gain a better understanding of these communities.

We would like to highlight that currently engaging these communities is the responsibility of the Emergency Management Officer. This was previously supported through a .5 FTE who supported with community engagement, however this role was never replaced when the previous staff member moved on.

Action: Complete GIS/database situational awareness tool for response

5.4 *“Ensuring at risk and vulnerable communities have the resources required to be self-sufficient when a disaster occurs.”*

We are working on this through the Recovery Office Community Hub Project and its planned extension of scope, as above.

5.5 *“Developing better and more resilient communications systems to ensure that all officials have real time information and can communicate with the public, partners and other authorities.”*

A backup generator has been purchased for the Akitio Cell tower which will allow this cell tower to function even when the power is cut to the community.

Antenno is a crucial addition to the communication portfolio. This allows 2-way communication through submissions from public to our CRM system and also sends notifications directly to users. Additionally, the comms team regularly maintains and updates community contact lists.

The CDEM team has been installing civil defence radios across the district in maraes, schools and community hubs to build capability in this space. With this work and the establishment of civil defence groups the team has strong community links and contacts for emergencies.

5.6 *“Strengthen operational command leadership clarity and capability.”*

We have recently put another staff member through a controller’s course and plan to put another one in the future. We now have 3 staff members with training as Controller and 2 with training as Response Managers with another being trained in the Response Manager role this calendar year.

During the Gabrielle response Council ensured there was leadership for the response and continued leadership for BAU operations.

Action: Continue building capability in our CDEM leads

Action: Review SPMs for staff capability noting

Action: Complete the NEMA capability self-assessment tool

5.7 *“Resource the CIMS structure with experienced leaders for each function.”*

As previously mentioned, we now have a number of staff with training in function specific roles. We utilised 62 staff during the cyclone response who all now have EOC experience in multiple functions, as well as some staff members gaining Function Manager experience. Skillsets of our CIMS Leads are frequently extensions of their roles giving a good base level of experience regardless. With this in mind, we have assessed our CIMS leads within council and are continuing to actively train as required.

Some function leads do not manage staff in their BAU role and it will be important to ensure they have people management skills and authority within Council to perform these roles.

Action: Continue building capability in our CDEM leads

Action: Review SPMs for staff capability noting;

Action: Complete the NEMA capability self-assessment tool

5.8 *“Implement mandatory CIMS training for all CDEM and response staff.”*

We currently have 95% of staff trained to the foundation level of emergency management training and 88% of our staff trained at an intermediate level. Individuals are encouraged to train in function specific areas when a course becomes available, with 17 staff trained in function specific courses over the 2024 calendar year.

5.9 *“Ensure complete and maintained operational incident and meeting logs.”*

This is always completed through the intelligence function. Notes are taken at all IMT meetings and filed with response documents.

5.10 *“Develop standardised task books for each functional CIMS role.”*

We have function role cards explaining what a function is required to fulfil and function checklists that staff are required to fill out. These are located in Microsoft Teams as well as a hard copy in the black EOC function boxes.

5.11 *“Review guidance on declarations of states of emergency and expand criteria sets.”*

Our Council has a solid understanding of the declaration process and understand the flow on effects from this. We will continue to expand our knowledge and educate ourselves should any guidelines be updated.

5.12 *“Train iwi and mana whenua leaders in the CIMS framework.”*

TDC CDEM actively works with local Iwi and marae to provide CIMS framework training along with other training areas such as first aid, 4WD training, civil defence centre and needs assessment training. Council last organised a CIMS 4 training course for iwi last year.

5.13 *“Utilise marae as distribution and welfare hubs, adequately resourced and communicated.”*

We are aware of the local marae and Iwi as distribution and welfare hubs and actively encourage this. We will continue to work closely to understand how we can support and promote these services during an emergency and offer and provide training as in the above paragraph. We are currently working with local maraes on preparedness and providing some resilience equipment through recovery funding allocated to community resilience.

5.14 *“Ensure GIS team integration into planning and intelligence functions of CIMS.”*

There is work underway for Council to improve our GIS system and integrate within our CIMS functions. This is part of the local maps project. Council’s GIS manager has

developed new system maps and needs assessment tools. (Please see the attached report at the back of this report.)

Action: Complete GIS/database situational Awareness tool for response.

5.15 *“Provide hard copy maps and artifacts for field staff.”*

This was done during the Gabrielle response to our outreach teams and the communication team. Emergency management also holds maps as a part of their BAU.

5.16 *“Record action items during meetings and assign accountable task owners.”*

This was done during the Cyclone Gabrielle response and is a fundamental part of our EOC processes and are followed during every Civil Defence event. We have a number of Controller personal assistants already experienced in this role.

5.17 *“Establish daily operational briefings and debriefings for the EOC and response agencies.”*

This was done during the Cyclone Gabrielle response and is a fundamental part of our EOC processes and are followed during every Civil Defence event.

5.18 *“Widely share sitreps and action plans with community leaders.”*

The above 3 recommendations are a fundamental part of our EOC processes and are followed during every Civil Defence event.

6. Communications to Discuss:

6.1 *“Create both physical and online information boards at command posts and key sites in order that current sitreps, action plans, public communications, meeting timetables etc. are shared with all players in response and recovery. Plan in advance for information sharing with key partners and stakeholders.”*

Council currently uses the TDC website, Facebook, radio and Antenno as an online information board where they provide information, resources and updates for the public to view. As mentioned earlier, the Tararua communications team are also working with radio stations. These include the larger radio stations, and smaller community radio stations.

Physical information boards at command posts can be considered for the next event, and information can be fed via other means (CD radio etc). We have white board's at our community hubs in Te Uri, Makuri, Weber, Pongaroa, Herbertville, Akitio, Alfredton & Kumeroa. There are plans to add whiteboards and supplies to all other community hubs during phase 2. However, keeping in mind that during an event a large portion of our district may be cut off from distribution networks which may make this impossible.

6.2 *“Develop a comprehensive and pretested communications plan for major disasters.”*

The comms team is planning an internal review of CD PIMS preparedness, and this will be part of this.

Action: Internal review of PIMS materials and plans

6.3 *“Develop improved mechanisms for situational awareness and intelligence gathering.”*

During Cyclone Gabrielle, our GIS Manager developed a situational awareness map, which provided fast and accurate information for the entire EOC. Since then, the I.S. team along with Council’s GIS manager, have developed a ready to use situational awareness tool. This also includes a quick capture tool and incorporates needs assessments tools that will feed straight into the EOC. However, this is still a work in progress, we are always looking at ways to improve.

The communications team have new media monitoring software that they can adapt to suit a Civil Defence emergency.

Action: Complete GIS/database situational awareness tool for response

6.4 *“Provide quality assured, pre-planned communications packages.”*

The PIMS function holds pre-written / planned scenario communications messages, maps, contact lists, etc.

6.5 *“Include registers of key community contacts in the CDEM stakeholder plan recommended above. ”*

Civil Key contacts are registered in a EOC contacts list regularly maintained by the Emergency Management Officer. This has been further strengthened through the Defence groups and Emergency Hubs.

6.6 *“Working collaboratively, develop SOPs and contingency technologies for inwards capture of community intelligence during an event and for outward dissemination through key community leaders and organisations.”*

The Communications team/PIMS function have SOP’s in place for emergencies. The communications team will work with our intelligence team to review these and upload them to Promapp.

The Communications team currently does the following:

- *“In a major event, the CDEM Group PIM should publish daily updates to the community that include both achievements and setbacks to manage public expectations and proactively shape the narrative.”*

This has been a key feature of our response. The PIM team and mayor were constantly providing public updates.

- *“Provide quality assured, pre-planned communications packages.”*

Internally there are key messages and preset templates for standardised events. As an event escalates a comprehensive plan needs to be established.

- *“Utilise diverse communication channels beyond social media.”*

The team has ready access to the following channels: Radio (Local, Central FM, MoreFM, ZB Newstalk, The Breeze, and community radios), Print, Social Media, Rural Phone Trees, CDEM Siren and the Antenno App.

- *“Ensure adequate training and staffing for CDEM PIMs, particularly in EOCs.”*

The PIM function currently has 6 function trained PIMS staff.

7. Recovery to discuss

From HB review in italics

- 7.1 *“Ensure a Recovery lead is appointed early in the Response phase to ensure seamless and appropriate transition to Recovery.”*

By employing Sandra James at the end of the response, we kicked off the process early. The current success of the recovery team has proven the importance of having a recovery lead involved in response.

- 7.2 *“Ensure that Recovery planning is undertaken using a holistic and inclusive approach, that utilises the insights of mana whenua, partner agencies, and the private, philanthropic, contract and volunteer sectors.”*

Our team has included both iwi and relevant agencies from the start of response and through recovery. Our dedication to this can be seen through the allocation of recovery leads being from partner agencies, due to their expertise in the relevant areas;

- Rural – RST
- Built – Tararua Alliance
- Natural – Horizons Regional Council

We do note that there is always room for improvement in this area and will continue to work with whoever is best suited for the task so we can achieve the best outcomes for our communities.

- 7.3 *“Working with MSD and other agencies, NEMA should facilitate the development and application of a standardised, national needs assessment tool for use in response and recovery.”*

Council provided a Welfare Needs Assessment course in May 2024, with another held in September 2024, for the community Civil Defence groups. Council also has another one of these courses scheduled in June 2025. While this is a step towards equipping our communities with the tools they need for response, we agree that a standardised

needs assessment tool would be extremely beneficial for both response and recovery.

The team follows up on updates during their recovery meetings with NEMA.

8. Actions

<i>Action</i>	<i>Responsible Team</i>	<i>Update</i>
<i>Explore adding recovery and community development capability into staff responsibilities</i>	<i>CDEM, Executive, Recovery</i>	<i>In progress</i>
<i>Participate in regional scenario training</i>	<i>CDEM, TDC</i>	<i>Exercise Oct. 2025</i>
<i>Workshop community resources available during an event</i>	<i>TDC IMT</i>	<i>To do</i>
<i>Explore resilience building options for urban civil defence groups</i>	<i>CDEM/Recovery</i>	<i>Completed</i>
<i>Strengthen Iwi engagement processes for an event</i>	<i>CDEM, Executive</i>	<i>Complete</i>
<i>Advocate for development of common operating systems across LG, emergency services and Lifelines</i>	<i>CDEM, Governance</i>	<i>Complete</i>
<i>Support and contribute Tararua view to the updating of the regional disaster readiness plan</i>	<i>CDEM</i>	<i>In progress</i>
<i>Stay up to date and report quarterly on progress of regional projects</i>	<i>CDEM, Recovery</i>	<i>Complete</i>
<i>Continue building capability in our CDEM leads</i>	<i>CDEM</i>	<i>Complete</i>
<i>Stay up to date with the updating CDEM guidelines and policies</i>	<i>CDEM</i>	<i>Complete</i>
<i>Internal review of PIMS materials and plans</i>	<i>Communications, CDEM</i>	<i>Completed by Comms team</i>
<i>Complete GIS/Database situational awareness tool for Response</i>	<i>CDEM, GIS Manager</i>	<i>Completed</i>
<i>Implement a funding strategy for recovery – noting we may not be able to rely in funding from Central Government, particularly if event frequency across NZ increases.</i>	<i>Finance, Chief Executive, CDEM</i>	<i>To do</i>
<i>Review SPMs for staff capability noting;</i>	<i>CDEM, Managers</i>	<i>To do</i>

8.2	<i>What roles are not suitable to contribute to response due to BAU commitments, or only able to be used on a short term basis because of BAU.</i>		
8.3	<i>What roles can downscale in an emergency.</i>		
<i>Workshop scenarios of how Tararua could be affected in a large-scale event. E.G Category 9 Earthquake (Hikurangi).</i>		<i>CDEM</i>	<i>To do</i>
<i>Complete the NEMA capability self-assessment tool</i>		<i>CDEM</i>	<i>To do</i>

9. Conclusion

In conclusion, while the Hawkes Bay event presented markedly distinct challenges compared to the Tararua District, the comprehensive review offers a valuable opportunity for enhancing our response strategies. Although our operational processes exhibit a commendable level of efficiency and organisation in comparison to Hawkes Bay, there remains ample scope for refinement and improvement. Moreover, our strong interagency and community relationships, which we are continuously improving, serve as a key factor for our effective emergency response efforts.

While it is important to highlight that we were able to respond and undertake recovery effectively to the scale of Cyclone Gabrielle, we do not have the capacity to scale up to an event that covered our urban areas as well. It is crucial we plan appropriately and continue to upskill staff and dedicate resources in council to ensure that we are as prepared as possible for future events. This includes an assessment of roles with the ability to downscale and the skills to undertake core recovery lead roles and creating a financial strategy to prepare for additional recruitment requirements post event due to the likelihood that a full dedicated team will be funded is minimal.

Additionally, we are committed to thoroughly exploring all actions stemming from this review, recognising the importance of implementing recommended measures to further strengthen our preparedness and resilience. By leveraging the insights gained from this review and fostering collaborative partnerships, we can continue to improve our civil defence level of service and better prepare for a larger scale event.

10. Appendix

Report on the Development and Implementation of Mapping Resources Since Cyclone Gabrielle

Introduction

During Cyclone Gabrielle, we developed and utilised mapping resources based on the ESRI ArcGIS Online environment to effectively show and disseminate critical information. This report outlines our journey, the tools we have developed, and the collaborative efforts that enhanced our operational capabilities.

Background

Prior to Cyclone Gabrielle, we had been using ESRI ArcGIS Online for some time. However, the cyclone highlighted the platform's flexibility and its ability to facilitate collaboration with other Government Agencies, which was a significant revelation for our operational users.

Transition to ESRI ArcGIS Online Cloud

Since Cyclone Gabrielle in 2023 (CG'23), we have transitioned from our previous on-premise mapping viewer to an ESRI-based solution that leverages resources stored in the ESRI ArcGIS Online Cloud. This cloud environment allows us to share information via trusted services with other Government Agencies and make data easily accessible to the public.

Internal Support Tools

To support our operations, we now use Eagle Technologies' LocalMaps GIS viewer, a tile-based GIS viewer. This tool, along with other developed resources, enhances our situational awareness and response capabilities for future emergency management events.

Developed Tools and Services

1. TDC Quick Capture: A smartphone app that enables field staff to take pictures in the field. These images sync back via cloud services and display in the Emergency Operations Centre (EOC) via a web map dashboard, enhancing our situational awareness.
2. TDC Patrol Tracks: A smartphone app service that Emergency Management (EM) patrols activate to record their patrol areas. This data is displayed on a web map, showing where patrols have been and helping to plan future patrol routes.
3. Welfare Survey: Using ESRI's Survey123 product, we adapted Whanganui District Council's form, that has been well tested, to suit the Tararua District. Welfare information can be collected in the field via iPads or at a desk via a PC. The data is securely held and provides a mapped contact point with all collected data. Multiple users can enter data simultaneously into this central repository.
4. Initial Situation Overview Damage Assessment: A Survey123 product for quick damage assessment. This form allows for a rapid appraisal of damage

at a location and the recording of multiple photos. Data is transferred to the ESRI Cloud and can be viewed in the EOC.

5. TDC Emergency Management Situational Viewer: A situational map using layers identified by Land Information New Zealand's "Key Datasets for Resilience and Climate Change Update." This map includes a comprehensive range of recommended layers to assist councils in managing emergency events.

Collaboration and Knowledge Sharing

We have joined Geospatial Emergency Management Aotearoa (GEMA), a national group comprising individuals from both geospatial and emergency management sectors across New Zealand. This group is attended by our GIS Manager, and facilitates knowledge sharing and provides a platform for seeking assistance.

Conclusion

The development and implementation of these mapping resources during and since Cyclone Gabrielle have significantly improved our operational capabilities. The transition to an ESRI-based solution and the development of various tools have enhanced our situational awareness and response effectiveness, although Councils GIS Manager is continually looking at ways we can further enhance our capabilities. Collaboration with other agencies and participation in GEMA further strengthen our emergency management efforts.

Attachments

Nil.

Report

Date : 11 April 2025

To : Chairperson and Committee Members
Infrastructure, Climate Change and Emergency Management Committee

From : Mike Dunn
Three Waters Manager

Subject : **Portfolio Programme Project Report**

Item No : **7.3**

1. Recommendation

- 1.1 *That the report from the Three Waters Manager dated 11 April 2025 concerning the Portfolio Programme Project Report be received.*

2. Reason for the Report

- 2.1 This report is to update the Infrastructure, Climate Change and Emergency Management Committee on the key portfolios, programmes and project statuses.

3. Capital Portfolio Report

- 3.1 This report has a new focus to bring in all the projects and programmes into one report and will require some additional adjustments.

Portfolio Health Status		Forecast	General Comment
	 Green		Overall, we are maintaining forward momentum on the programmes and projects.
Schedule	 Green		The weather will affect further construction timeframes and delivery. Resourcing changes and reporting are being worked through to maintain momentum.
Budget	 Green		Budget risks are primarily concerning the Dannevirke Impounded Supply works, and Pahiatua Stormwater.

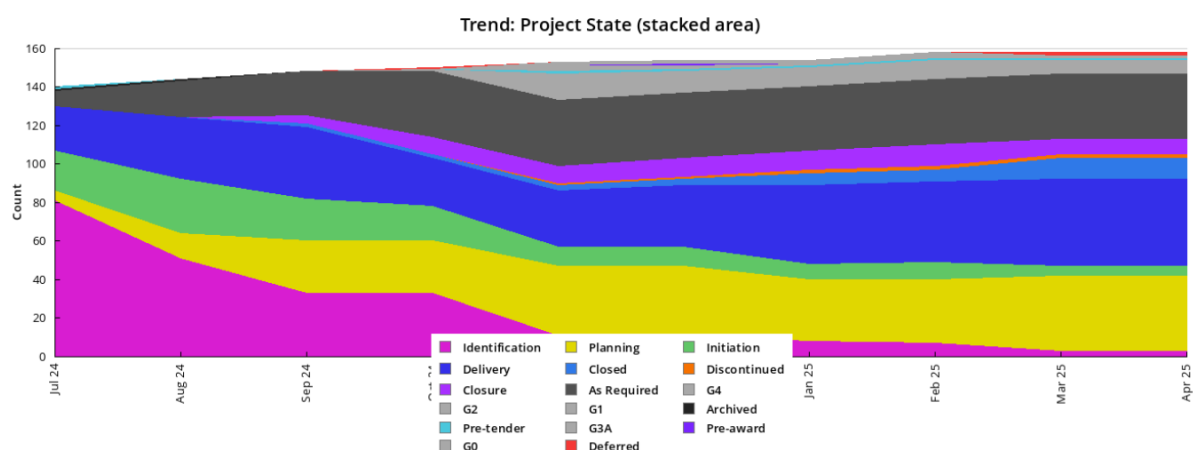
Portfolio Health Status		Forecast	General Comment
			With the revision of the Annual Plan, attention now turns to the identification of committed projects of work and completing the work required for the last quarter.
Risk	 Green		Project risks to note are the ongoing concern with the Dannevirke Impounded supply, Norsewood flushing for compliance and the Wastewater programmes. All of these are currently being effectively mitigated.
Resourcing	 Amber		Resourcing constraints are still a challenge as we continue to navigate our projects alongside our operational requirements. We are still navigating some resource limitations, continuity issues, specialised skills and contractor availability.

Legend

Status					
On track against baseline plan	 Green	Corrective action required	 Amber	Critical state - needs urgent attention	 Red
Forecast					
Green - the forecast for the next period is that this area will remain in a positive status or will improve from current reported state.					
Red - the forecast for the next period is that this area will remain in a negative status or will deteriorate from current reported state.					
Amber - the forecast for the next period is that the current status may change.					

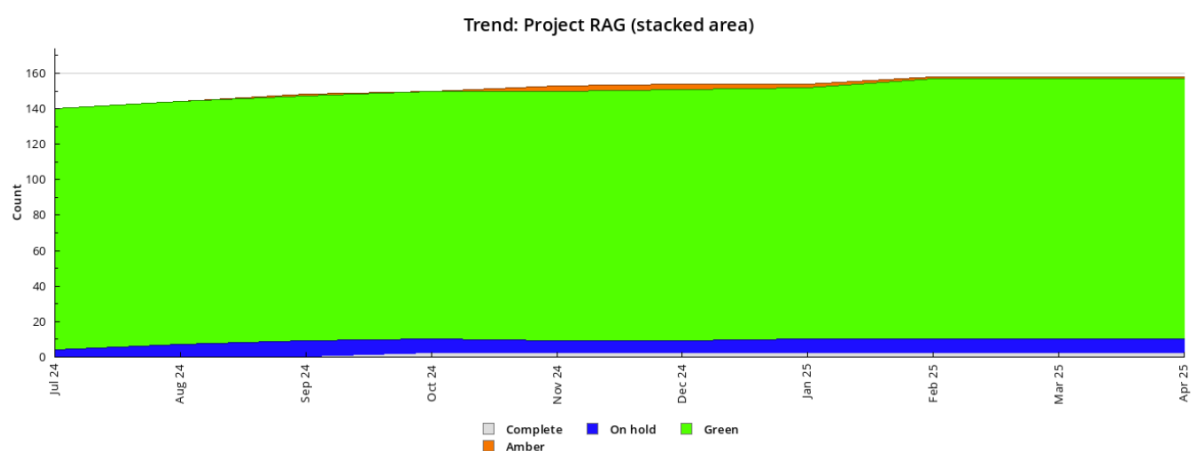
4. Capital Projects by State

- 4.1 Our project management framework stipulates Gates for approval processes as depicted by G0, G1 etc. Monitoring the overall inflight project states is crucial as this enables greater oversight and ensures transparency and accountability throughout the project's lifecycle.



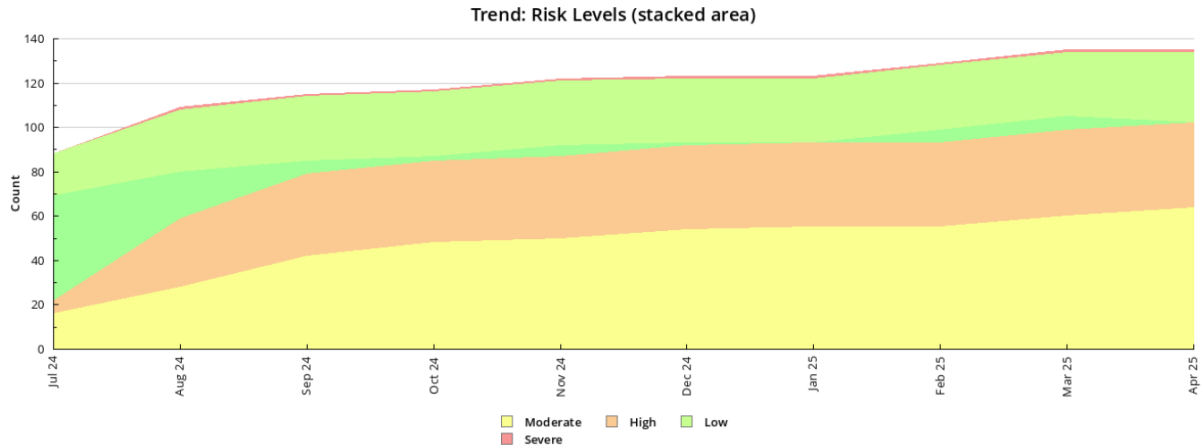
5. Capital Project by Status

- 5.1 By tracking the above project status indicators over time, stakeholders can identify emerging patterns, assess the portfolio, and proactively address potential issues. A consistent green status indicates progress according to plan, while amber signals caution, suggesting potential risks or delays that require attention. Red status indicates critical issues that demand immediate action to mitigate negative impacts. Regular review of RAG status trends enables leaders to make data-driven decisions, allocate resources strategically and optimise project outcomes.



6. Portfolio – Projects Risk levels

- 6.1 The below graph displays our efforts to start compiling project risks into our project management software to better mitigate, manage and report on our risk registers at a portfolio level.



7. Project Updates

Complete	On Hold	On Track	Revised but on track	Off Track
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Infrastructure

Project	Managed by	Comments	Status
Lindauer walkway	TBC	Design is currently on hold, and it is assessed that the work won't be started this financial year.	On Hold
Land Stabilisation Project	Mitchell Guile	RFP has closed for planting, doing evaluations. Alliance and Horizons doing site visits for civil engineering works. Finalise work plan for the planting.	On Track
Dannevirke DAF	Sue Lawrence	Project closure.	Complete
Woodville Wetlands	Eugene Priest	Concept design being developed.	On Track
Woodville Reservoir	Priscilla O'Neal-Searancke	Proceeding through technical specs. Geo-Tech and Structural reporting working through.	On Track
Woodville Wastewater Headworks	Eugene Priest	Commissioning planned for end of April.	On Track
Woodville Wastewater Pond 2 Liner	Vito Lim	Pond 2 was taken offline in order to walk out the whales releasing the gas build up. An investigation was conducted, and a business case is being developed for future remedial works.	On Hold

Project	Managed by	Comments	Status
		There is extensive stretching apparent around the primary whale, this is indicated by the extent of the creasing of the liner around the whale following the reduction in the gas trapped.	
Dannevirke Impounded supply Programme	Mike Dunn	Alignment, scheduling, and scoping finished. Permanent markings and patch repairs completed. Patch repair completed. Monitoring Programme – Underwater drone equipment handed over. Capability deployed. Routine schedule to be established. Submersible pumps – scope identification and review of background data completed. Stakeholder meeting conducted. Work scoping underway. Land purchase – Ongoing negotiations.	
Dannevirke Impound – Pretreatment Plant	Mike Dunn	Reviewing technical specification to go to market for a clarifier. One page report to be generated.	
Dannevirke alternate water source investigations	Dave Watson	As part of the overall Dannevirke Water Programme, we must investigate the current infiltration gallery and start engagement regarding our water take consent. This means that we can concurrently undertake an assessment on both the current intake and the assessed alternate area to determine feasibility of water take method and feasibility. Alternate site investigation will determine if worth progressing with bore testing and/or site establishment.	
Dannevirke Water – Generator	Sue Lawrence	Working through delivery and installation timeframe.	
District Town Signs	Ray Cannon	NZTA gave previous approval. Frangible bases – looking at best price for this work. Planning to start installing some next month starting with Woodville.	
Norsewood Water Treatment Plant Upgrade	Eugene Priest	Flushing programme planned in detail. Contractor delivery schedule being organised. Comms delivered. Norsewood results have been fine-tuned and are producing intended project deliverables.	
Dannevirke Fluoridation	Eugene Priest	Final stages of commissioning and financial close out. In coordination with the Dannevirke Water Programme the turnaround area is being reviewed for final project closure.	

Facilities and Corporate

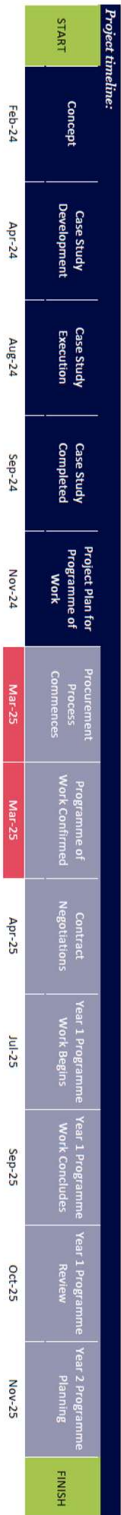
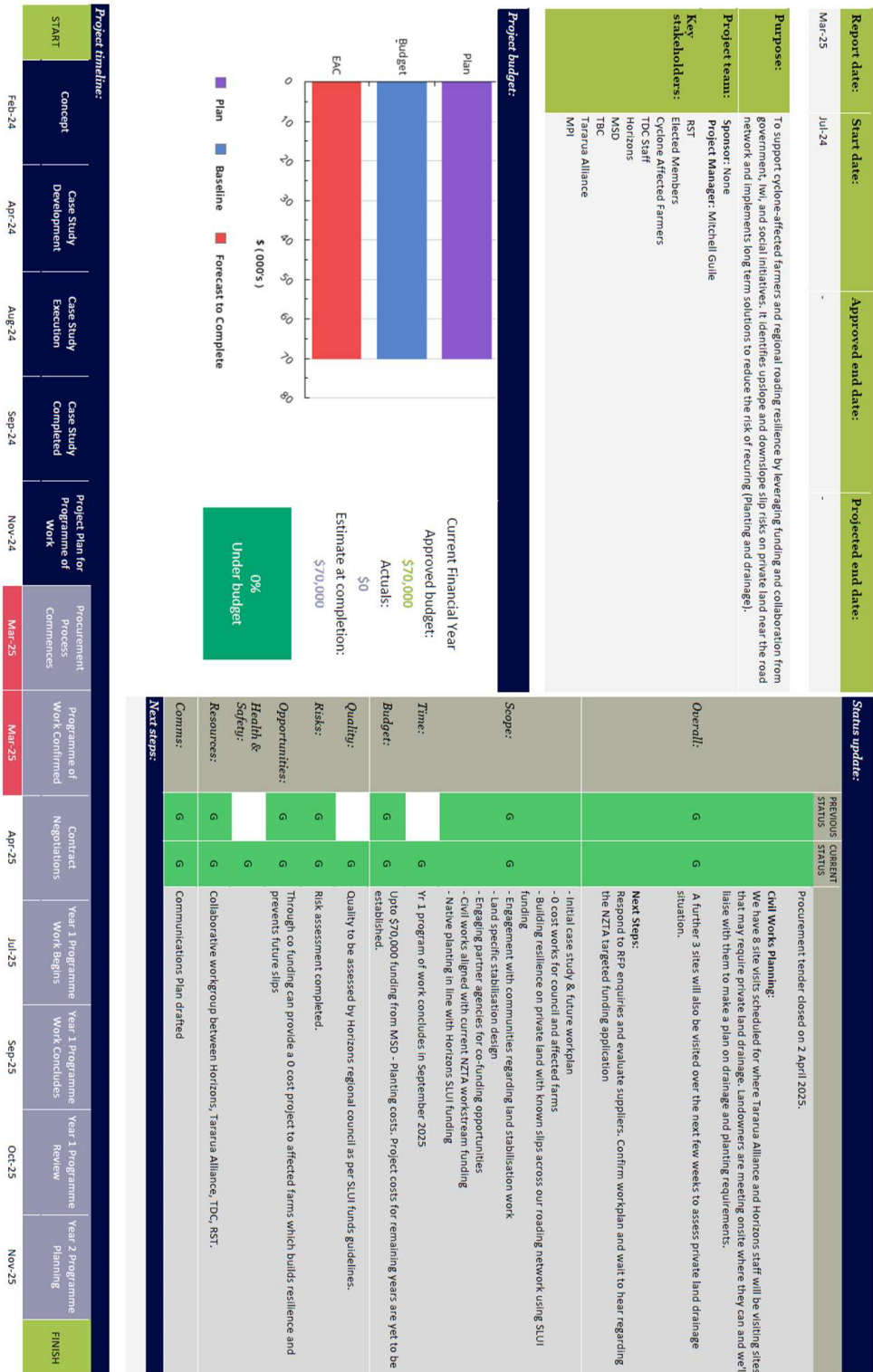
Project	Managed by	Comments	Status
Carnegie	Sue Lawrence	Report under internal review for comment and to be presented to Council.	
Waihi Falls Toilet	Eugene Priest	Toilets completed.	
Dannevirke Barraud Street	Robert Hood	2x cavity slider doors were installed to enable wheelchairs and prams better access.	
Pahiatua Carnival Park Ablution block and accessible upgrades	Robert Hood	Consent work required after replacement of septic tank upgrade for ablution block renewals, including providing for disability access to kitchen/lounge area. Carnival Park Committee agreed to and have funded the alterations they requested to the build plan (ramp & deck). Designs and concept conditions agreed. RFP conducted. Construction scheduled for starting end of April.	
Dannevirke Town Hall – Canopy	Robert Hood	Canopy removal and renovation has been completed.	
Pahiatua Service Centre heating upgrade	Robert Hood	Completed. Positive feedback from public groups and staff.	
Cemeteries extensions	Robert Hood	1. New berms at Woodville and Mangatainoka and minor finishing still to do and new ashes berm at Mangatera. 2. Awaiting design for new development at Mangatera.	
MPI Emergency Hub Fund	Mitchell Guile	Community Hub Project has been completed. Final report submitted on 29 June.	
Dannevirke Skate Park – BOF commitment	Sue Lawrence	Design starting. Invoicing to be received.	
IOT Door Counters	Chantelle Smit	All sensors are now installed and configured. Data from the libraries and service centres are now being collected in real time.	
Mobile Regulatory Solution	Chantelle Smit	After testing, review and consideration the team have decided to not proceed with the Actus app. The app has limitations that were unknown prior to implementation. Users are unable to perform all the necessary actions they would typically do in the office which was the primary objective. The app does not deliver the expected value.	

Project	Managed by	Comments	Status
		Another option is current being investigated and will feature in future reports.	

Attachments

1. Land Stabilisation Project - 16 April 2025
2. Dannevirke Impound Supply - Treated Reservoir 16 April 2025
3. District Water Supply Universal Metering - 16 April 2025
4. Three Waters Infrastructure Enhancement Project - 16 April 2025
5. District Wastewater Infiltration and Inflow Strategy Implementation - 16 April 2025
6. Woodville Headworks Refurbishment - Carryforward 16 April 2025
7. Telemetry and SCADA Upgrade Phase 2 - 16 April 2025
8. Pahiatua Wastewater Treatment Plant Upgrade - 16 April 2025
9. Eketahuna Wastewater Treatment Plant Upgrade - 16 April 2025
10. New Pahiatua Pool - 16 April 2025
11. Building Iwi Capacity - 16 April 2025
12. Digitisation of Council Records and the Introduction of E-services - 16 April 2025
13. Future Community Urban Design - 16 April 2025

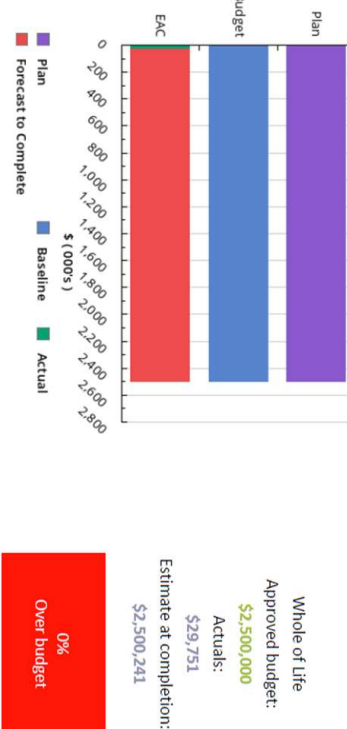
Project name Land Stabilisation Project



Project name
Dannevirke Impound Supply - Treated Reservoir

Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-23	Jun-26	-
Purpose:	Supply and install an additional treated water reservoir for the Dannevirke township.		
Project team:	Sponsor: Mike Dunn Project Manager: Priscilla O'Neale-Searns Horizons Regional Council Tararua District Council Dannevirke Community Alliance Group Contractor - TBC Consultants		
Key stakeholders:			

Project budget:

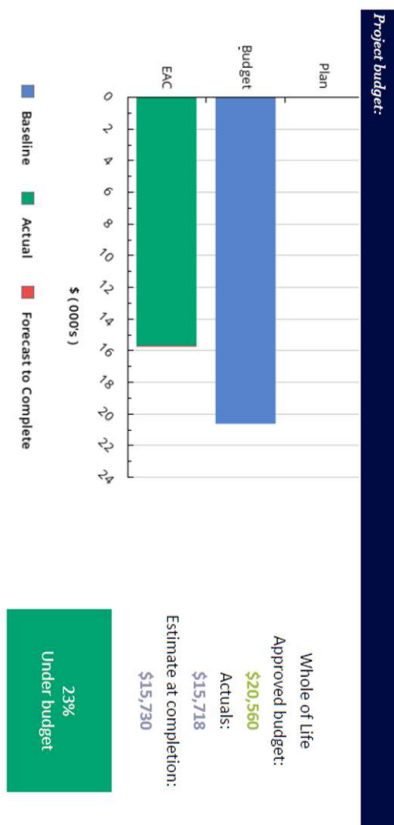


	Status update:		
	PREVIOUS STATUS	CURRENT STATUS	
Overall:	G	G	PM has been assigned to the project and has received draft design and proposed location for the new reservoir. Will meet with property owner to arrange geo-tech investigation. RFP for geo-tech will be run through procurement. Current costs incurred are for the design phase. Geo-Tech investigation will indicate land suitability which is key to the project schedule. 25/02/25 Currently engaging geo-tech and Electrical Services. Waiting quotes from specialist services. 26/03/25 The Specialist services have been engaged and the team will be looking to undertake a site visit early next week. Have requested the geo-tech for Dannevirke is fast tracked to allow the property purchase progress to be undertaken asap.
Scope:	G	G	Supply and install additional new reservoir for the Dannevirke township.
Time:	G	G	25/02/25 Meet with property own and given approval to undertake Geo-tech and structural investigation. 27/03/25 engaging the specialist services has been slow but we hope to fast track some works to run concurrently to meet timeframes.
Budget:	G	G	\$2,500,000. Current budget allocated to the design. Technical spec and RFP. Once Geo-tech has been completed and suitable land identified a budget forecast can be completed inline with project schedule. 27/03/25 Budget is still on track
Quality:	G	G	
Risks:	G	G	There is a financial risk, contractor availability to complete work with in the programmed timeframe. Work may effect water supply when undertaking connections into existing supply lines. Communications need to be clear and concise. 27/03/25 the communications team have provide a brief overview within the water done well communications. There are also other projects being undertaken that will require coordination to ensure that overlapping work areas are managed closely.
Opportunities:	G	G	Plant and pipeline upgrades.
Health & Safety:	G	G	The PM will work closely with the H&S team to ensure H & S requirements are clearly defined in the RFP and throughout the implementation.
Resources:	G	G	25/03/25 Have engaged specialist services and am awaiting on design/ reports.
Comms:	G	G	PM to work closely with the comms team to ensure the community is aware of the work being undertaken, a Comms plan will also be included in the RFP with the contractor to ensure contact information is present.
Next steps:			
Once the Geo-tech investigation has been completed, PM to work with the technical and procurement team to complete an RFP for the supply and install of the new reservoir. A Project plan and estimated project schedule can be raised for stakeholder approval. 26/03/25 undertake specialist services site visit.			

Project timeline:						
START	Planning	Specialist Engagement	Testing undertaken/ Property purchase	Property Purchase /Design and RFP issued	Property Purchase/ Contractor Engagement	Project start date
	Dec-24	Mar-25	Apr-25	May-25	Jun-25	Jul-25
						Nov-26
						Mar-27
						FINISH

Project name
District Water Network Universal Metering

Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-24	Jun-26	-
Purpose: Supply and install a universal water metering system to provide data to assist in the districts water management program.			
Project team: Sponsor: Mike Dunn Project Manager: Priscilla O'Neale-Searancke			
Key stakeholders: Horizons Regional Council Taranaki Community TDC Alliance Contractor - TBC Consultants			



Status update:		
PREVIOUS STATUS	CURRENT STATUS	
G	G	25/09/24 Rationale have been working on this. 31/01/2025 First work shop will be undertaken 3/02/25 to discuss the next steps. 25/02/25 Working through business case and gathering information that will be required to support the documentation package to be submitting to the council in May. Looking to issue an RFI to suppliers to 3 the source water meters and engage specialist services to complete a water charge analysis. Data collection systems and platforms. 26/03/25 PM and Consultants still in the process of gathering data and information to be included in the document package to the elected members team. Workshop is being undertaken to define the produce and system requirements this week which will feed into the RFI and further assist in budget requirements.
G	G	PM and Consultant work to define scope of works and provide a document package to elected members. 27/03/25 Continuing to define the scope of work and gather information and data.
G	G	Project team are working towards providing the document package with options to the elected members in May for discussion. 27/03/25 the business case is slowly coming together and we should be able to make the end line in May.
G	A	Budget is currently on track. Once we have defined the scope of works etc we will be able to better project the program budget. 27/03/25 Further investigation has identified a budget risk due to the scope of works required and the challenges with aging infrastructure.
G	G	Public buy in to the work being undertaken. Cost to undertake the works due to unforeseen additions to the scope due to existing infrastructure. 26/03/25 As we progress through defining the scope of work for this program we are seeing a cost projection that exceeds the current located budget. Once we have a better understanding of these cost implications a budget forecast can be better managed by staging the round out.
G	G	There are opportunities to align aged infrastructure replacement as we progress through the installation phase. 27/03/25 we continue to look at possibly aligning other project works along side this work with may help mitigate some of the project cost.
G	G	PM to ensure that the contractor work teams are adhering to all health and safety requirements.
G	G	27/03/25 Currently we have sufficient resources to undertake the work required.
G	G	Comms plan has been supplied to the Comms team for review. 26/03/25 The Comms team have issued an short overview of the program to the public within the water done well update.
G	G	Further communications will go out as the program progresses.

Next steps:
PM and Consultant continue to work through gathering information and data to ensure the document package for submission to elected members have viable options to allow them to make informed decisions. 26/03/25 an RFI will be issues to the market to data on supplier interest.

Project timeline:			
START	Pre-planning	Elected members consultation	Contractor engagement
	May-25	Jun-25	Aug-25
			FINISH

Project name 3 Waters Infrastructure Enhancement Project

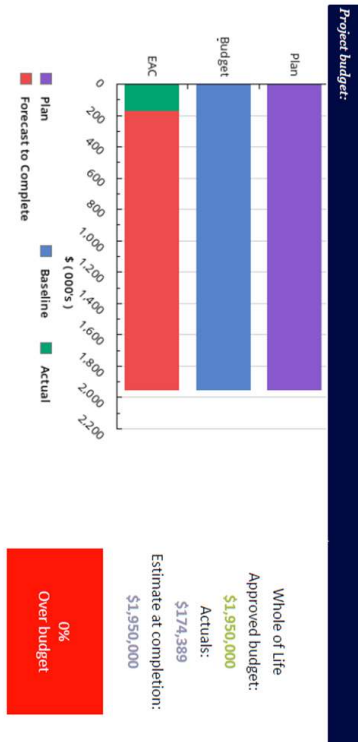


Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-24	Jun-27	Jun-26

Purpose:
To invest in improving water infrastructure and support the establishment of new water services delivery plans and or structures. This will ensure the council meets its legislative responsibilities, complies with consent conditions for providing safe drinking water, dispose of wastewater appropriately, and administers Trade Waste requirements effectively.

Project team:
Sponsor: Mike Dunn
Project Manager: Sue Lawrence
Horizons Regional Council
Department of Internal Affairs

Key stakeholders:
IWI
Public
TDC Staff
Contractors
Crown Infrastructure Partners



Status update:

PREVIOUS STATUS	CURRENT STATUS
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Project Status of Deliverables/Outputs:

An offer has been made for the Asset Information Technician position. The analysis of the two pre-treatment options for the Dannevirke Impound Supply is ongoing. The Universal Water Metering Implementation Plan is being developed. This plan outlines options for meters, data systems, water charging, and estimated program costs. It will be submitted to elected members in May for approval. A draft project plan for the Backflow Prevention Strategy and Policy is being prepared. Two staff members will attend backflow training in April to become qualified to test and inspect backflow devices. The Water Service Delivery Plan is being assessed to ensure the next phase does not duplicate the regional plan or previous reports. The recent project established to collect water and wastewater treatment plant asset information has been extended to include replacement cost values. On 31 March, sludge removal from the Pahiakua Wastewater Plant to landfill will begin and is expected to take four weeks. The composting trial is on hold pending further assessment. The project schedule, plans, and outputs are almost finalised, a change request will be submitted to record the adjustments.

The scope of work includes:

- The development of a Water Services Delivery Plan
- Demand Management Strategy
- Quality data collected
- Monitoring equipment installed
- Information verified across network
- Ensure TDC meets drinking water allocation consent conditions
- Support consent applications
- Coordinate response to any consent breaches
- Completion and implementation of a Trade Waste strategy
- Waste Water Strategy
- Engage additional resources to enhance water management, regulatory adherence, and operational resilience within the district.

Project end date is June 2026.

Forecasted across the various milestones.

Quality is to be closely monitored during the delivery of milestones by both Project Manager and 3 Waters Manager.

Risks include difficulty in sourcing qualified consultants, budget constraints, hiring challenges and insufficient capacity within the 3 Waters Team.

Opportunities:

Health & Safety:

Resources:

Commits:

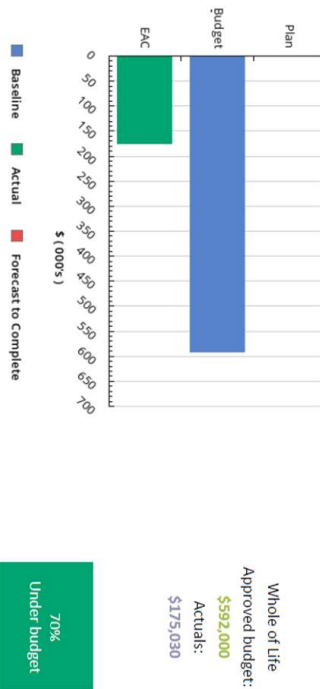
Comms plan is to be developed as required.

Next steps:

The schedule for delivery of plans and outputs is completed.

Project timeline:					
START	BOF project funding approved	Demand Management plan and Water Conservation Plan	Sludge Disposal Strategy completed	Resilience and Options for Dannevirke Impound Supply	Backflow and Trade Waste Strategy
	Aug-24	Oct-24	May-25	May-25	Jun-25
					Aug-25
					Sep-25
					FINISH

Project name District Wastewater Infiltration and Inflow Strategy Implementation



Project name
Woodville Headworks Refurbishment - Carryforward



Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-23	Jan-25	Dec-24
Purpose: This project purpose is to prevent the surcharge and subsequent overflow in the gravity network (servicing Woodville township) upstream of the WWTP by: 1. improving the capacity of the headworks to deal with higher flows from storm events. 2. improving the screening system to minimise un-screened wastewater bypasses. 3. installing flow metering to accurately measure all flow entering the oxidation pond. 4. Developing a system that is practical and cost effective to construct and minimise ongoing operations and maintenance costs.			
Project team: Sponsor: Mike Dunn Project Manager: Eugene Priest TDC Staff IWI Horizons Regional Council Contractor staff			
Key stakeholders: IWI Horizons Regional Council Contractor staff			

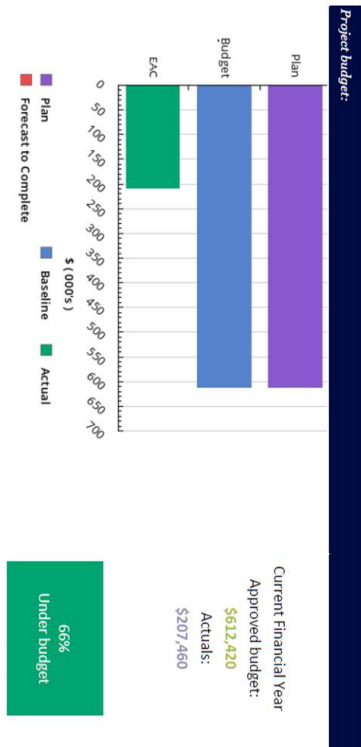


Project timeline:

Project Concept	Procurement process underway	PMP drafted and Request for Funding completed	Contractor Assigned	Huber Screen Ordered	Design signed off	Construction work begins on site	Huber Screen arrives	Flow meters and electrical installation	SCADA installation	Re-commissioning of new Headworks	Handover and Project Close	FINISH
OCT-23	Nov-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Sep-24	Nov-24	Nov-24	Apr-25	May-25	

TARARUA
DISTRICT COUNCIL

Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-24	Jun-26	Jun-26
Purpose:	This project has been initiated to align and comply with new requirements for resource consent monitoring for compliance with NZ water standards. This project will pull the different upgrade funding together to develop and rationalise SCADA and telemetry framework, architecture, software and dashboarding that provides operational visibility across the entire TDC treatment and network systems. Phase 1 is to determine asset and system Stocktake, Architecture, Architecture and system implementation to achieve operational visibility across the network. Phase II is the implementation and delivery of agreed recommendations provided by the investigation and report of the Phase I vendor.		
Project team:	Sponsor: Mike Dunn Project Manager: Eugene Priest		
Key stakeholders:	Horizons Regional Council TDC 3.Waters Team TDC IS Team Tararua Alliance		



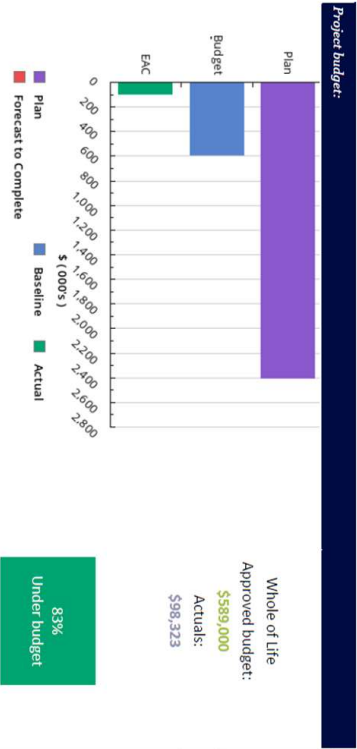
Status update:		PREVIOUS STATUS	CURRENT STATUS	
Overall:	G	G	Agreements have been negotiated and signed by both parties for the main Scada upgrade, P&ID & asset data collection, & Radio Package portions of this project. TDC are still negotiating some minor points with the VPN/Server installation vendor. These negotiations on exact scope will take place to reduce initial Capex & Opex costs so that they are more in-line with TDC requirements.	
			A portion of Better-Off Funding (BOF) has been allocated to this project to facilitate the necessary work in capturing Asset Information, P&ID and to write plant functional descriptions. This project has started with a site visit to several Water & Wastewater Treatment Plants on 31/01/2013. This project has many complexities that will include up to 4 vendors all operating in a collaborative environment to achieve the best outcome for TDC.	
Project Kick-off meeting held 10th March. VPN/Server vendor negotiation ongoing as OPEX costs with licensing costs are a concern.				
Scope:	G	G	Pre-determined scope to be followed in Tender process with detailed solution provided by successful respondent	
Time:	G	G	Is added scope of separate servers to add cyber security resilience	
Budget:	A	A	Long Term Plan budget has allowed for up to 3 years to deliver this project. It has many complexities that are outlined in the Risk Register	
			Up to \$1.2m has been allocated in the LTP years 1-3. Recommended upgrades exceed current LTP budgets. Prioritisation of works will need to be carried out to ensure project stays within LTP budgets. BOF has been allocated to cover asset data collection.	
Quality:	G	G	Licensing costs for Microsoft have come back higher than expected. There is potential that these/initial OPEX costs to a point where VPN/Server upgrade is not viable.	
Risks:	G	A	To follow best practice and all NZ Standards that are applicable.	
Opportunities:	G	G	Risk and prioritisation workshop has been held on 11/7 for Phase II of project	
Health & Safety:	G	G	Extra cost for physical separation of main servers	
Resources:	G	G	Licensing costs for Microsoft have come back higher than expected. There is potential that these/initial OPEX costs to a point where VPN/Server upgrade is not viable.	
Comms:	G	G	Increased cyber security and redundancy due to possible physical server separation	
No health and safety items to be reported				
Appropriate resources are available and workflows are currently sufficient.				
Complete negotiation of all agreements with vendors				
Start Comms upgrade				

Project timeline:												
START	Nov-24	Nov-24	Jan-25	Mar-25	Mar-25	Jun-25	Jun-25	Sep-25	Jan-26	Apr-26	Jun-26	FINISH
Vendor Agreement	Infrastructure Upgrade RFP	Select Infrastructure Vendor	Kick-off Meeting	VPN/Server Upgrade	Start Communications Infrastructure Upgrade	Complete Infrastructure Upgrade	Prioritised WTP Site Upgrades	Complete comms Infrastructure Upgrade	Prioritised WTP Site Upgrades	Satellite/Telemetry Sites Upgraded	Wastewater Pumpstation/Flowmeters Upgrades	
Nov-24	Nov-24	Jan-25	Mar-25	Mar-25	Mar-25	Jun-25	Jun-25	Sep-25	Jan-26	Apr-26	Jun-26	

Project name
Pahiatua Wastewater Treatment Plant Upgrade



Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-24	Jun-26	Oct-25
Purpose:	To provide an upgrade to the existing Wastewater Treatment plant that will meet current and future consent conditions and align with the design and build of the required wastewater wetlands that will be constructed concurrently with this project.		
Project team:	Sponsor: Mike Dunn Project Manager: Eugene Priest		
Key stakeholders:	Horizons Regional Council Elected Members Ngati Kahungunu & Rangitane Rate payers/ general public Landowners ELT Compliance Manager		



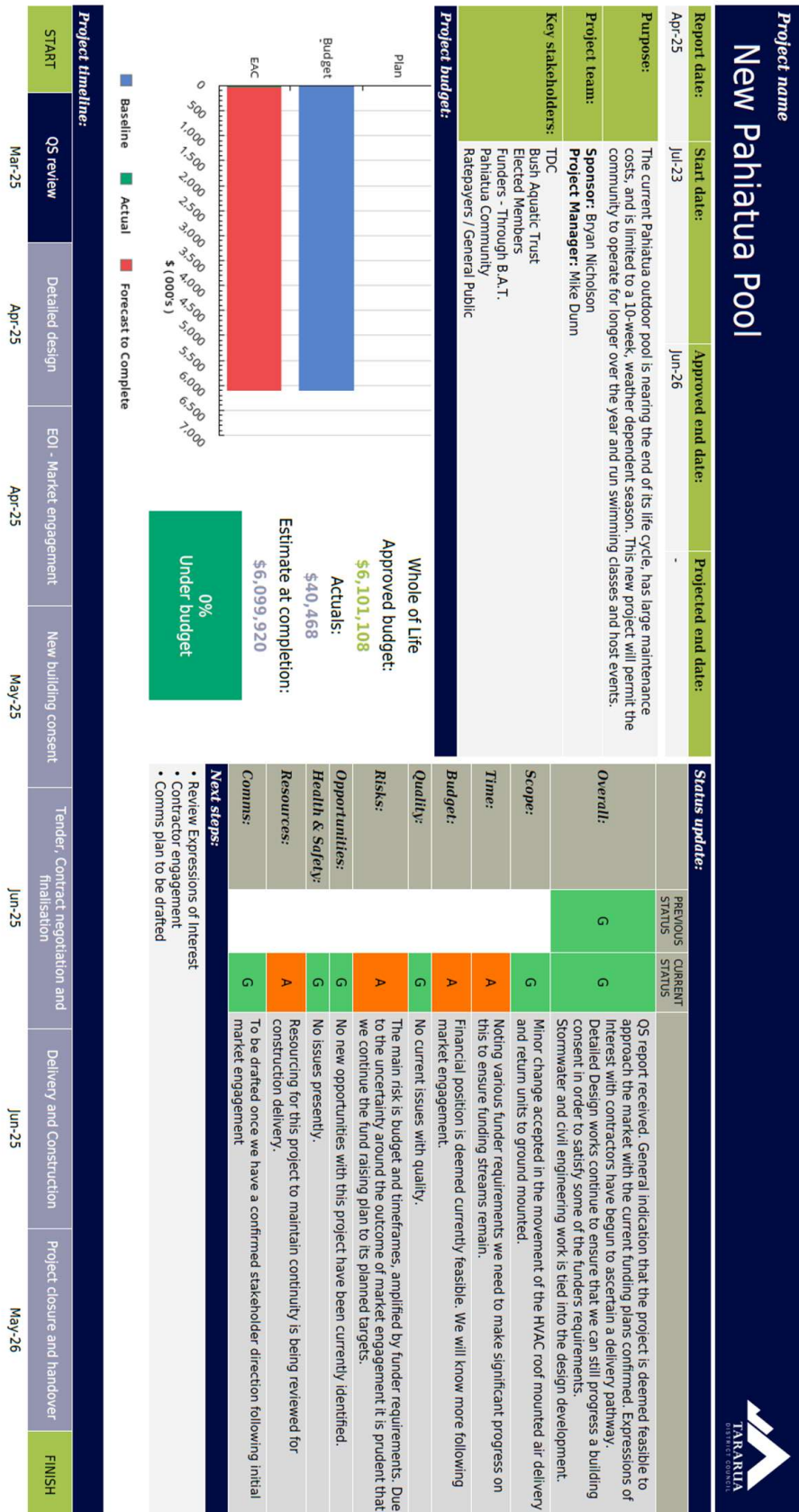
Status update:		PREVIOUS STATUS	CURRENT STATUS	
Overall:	G	G		Detailed design and costs have been reviewed with costs being higher than what was originally forecast. This can be attributed to Geotechnical design of Dissolved Air Flotation (DAF) plant and inflationary and design costs. The extra costs with 4 other options were presented to the PMO Stakeholder Working Group (SWG) for consideration. The SWG unanimously preferred the costed option minus the raised platform. This project has been part of the Stakeholders Working Group (SWG) and has involved meetings with two site visits involving TDC/Horizons/IWI & Subject Matter Experts (SME) to assist in steering the project towards the best outcomes for all associated stakeholders. Also, being able to align with the current WWP wetland design and build has created efficiencies in collaboration and design. Geotechnical design has been received and DAF foundation slab are in design by engineers. HAZOP workshop to be conducted. Only Vertical Flow Wetland distribution design to be completed in conjunction with T&T. Bridge replacement of culvert will be carried out in the new year but we are still to receive design and costs.
Scope:	G	G		A full scope for the WWP upgrade will be available on release of the detailed design and costs
Time:	G	G		It is expected to have this project completed at the end of 2025
Budget:	G	G		This will be confirmed on release of detail design and costs
Quality:	G	G		Will be determined by any agreement with the constructor and SME's assisting with this project. T&P & adherence to NZ standards will be paramount for this project
Risks:	A	G		Risk & Hazops workshop to be held on receipt of design and costs Culvert is inadequate for heavy construction traffic Efficiencies in design with wetland. Collaboration with Stakeholders Culvert replacement
Opportunities:	G	G		NZ H&S standards to be followed in all instances
Health & Safety:	G	G		Resources are being utilised as expected
Resources:	G	G		
Comms:	A	A		Comms plan to be drafted
Next steps:				
Confirm final design iteration and costs				
Re-evaluate budgets				
Negotiate construction agreement				

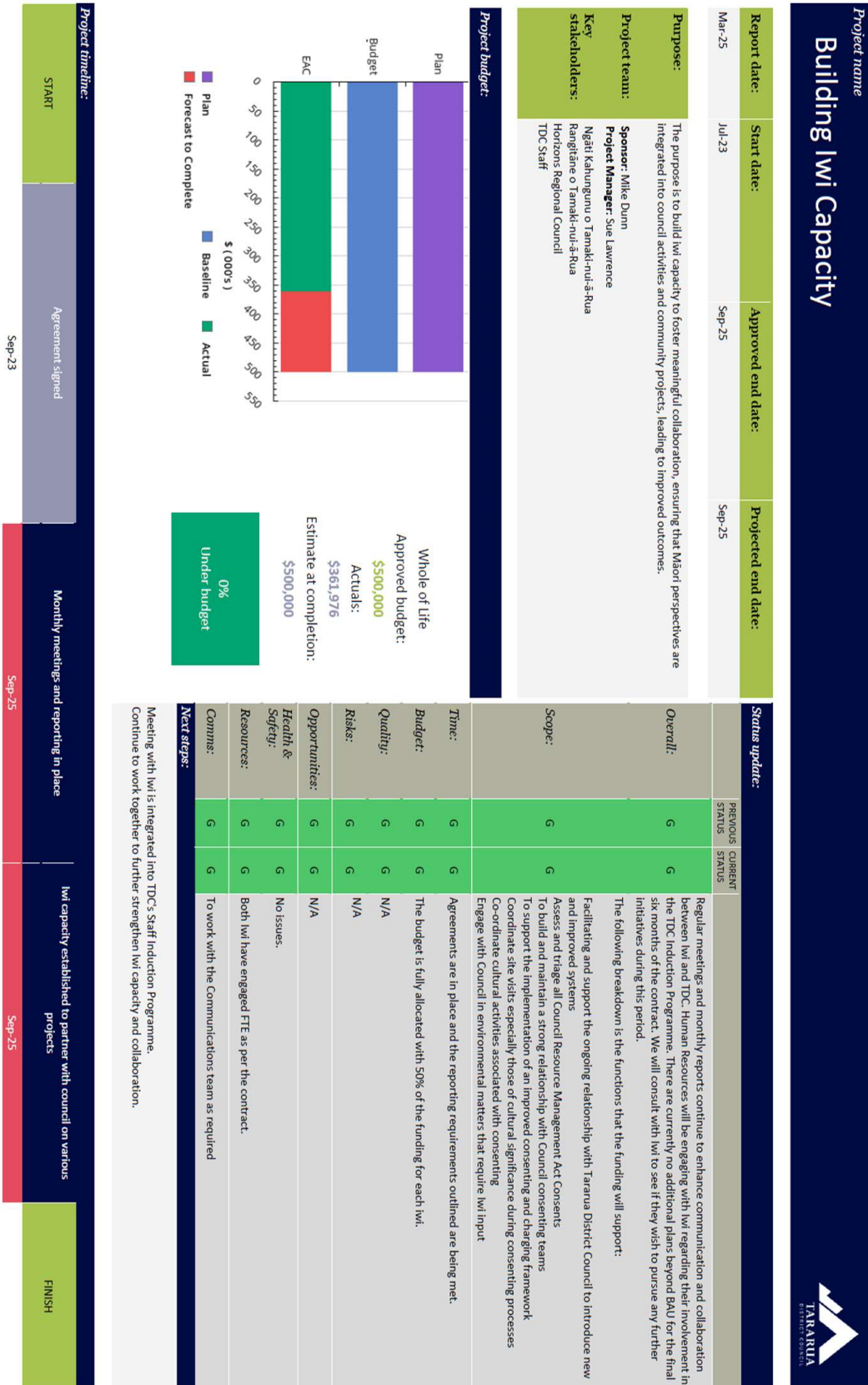
Project timeline:

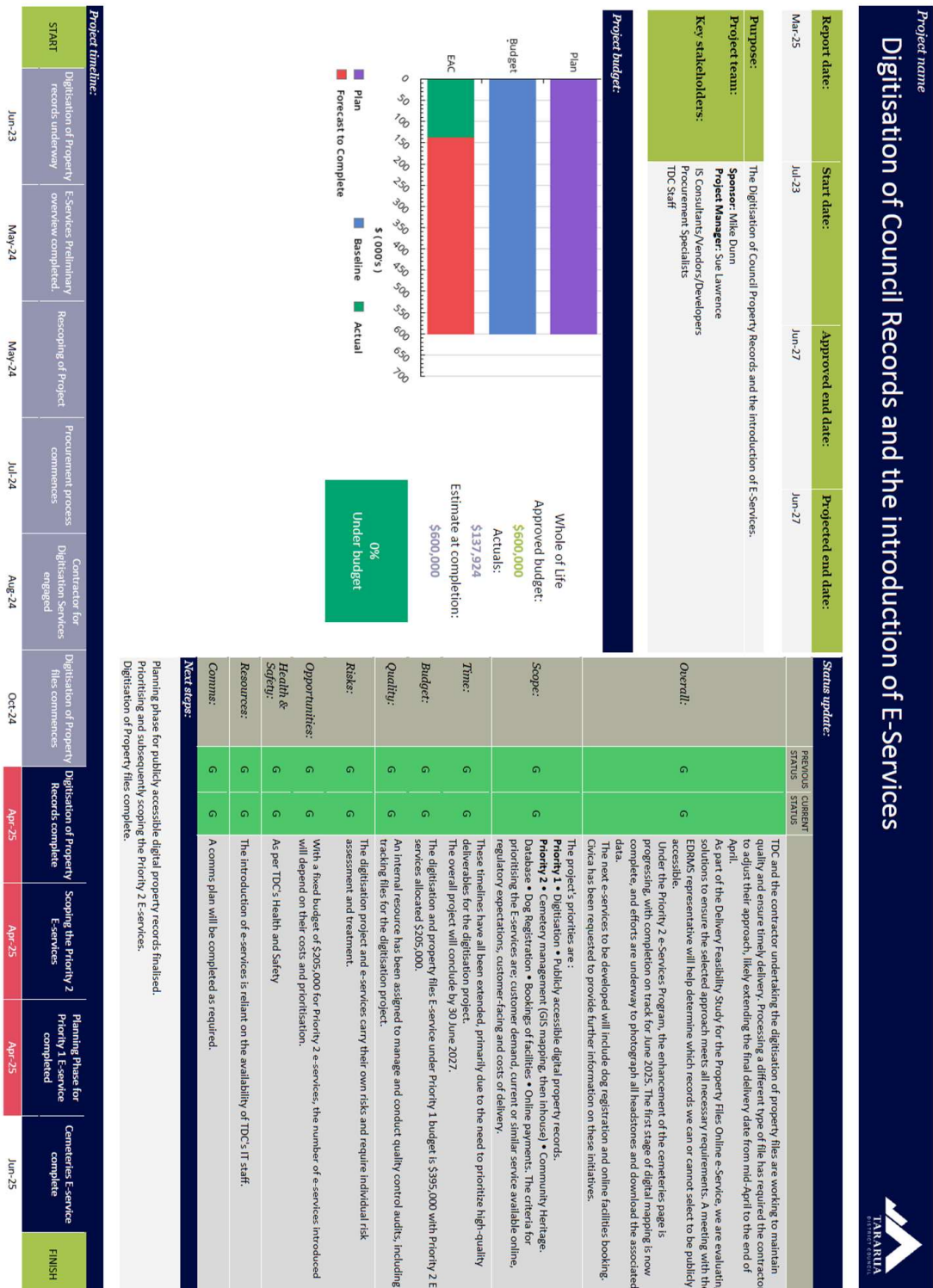
START	Detailed Design & Costs	Design & Costs Review	Negotiate Construction Agreement	replace Treatment Plant Road Culvert	DAF Unit Construction	DAF Commissioning	DAF Handover/Project Close	FINISH
	Nov-24	Mar-25	Mar-25	Apr-25	Sep-25	Dec-25	Dec-25	

Project name
Eketahuna Wastewater Treatment Plant Upgrade

Report date:				Start date:		Approved end date:		Projected end date:		Status update:	
Mar-25				Jul-24		Jun-26		Sep-27		PREVIOUS STATUS CURRENT STATUS	
Purpose:				The purpose of this project is threefold: 1. To ensure all treated wastewater indirectly discharged from the plant to the Matakahi River complies with current and future resource consent conditions. 2. To reduce Eketahuna inflow & infiltration (I & I) to allow for a fit for purpose WWTP to reduce cost and prevent unconsented discharges. 3. To ensure collaborative approach with Iwi and Horizons to produce outcomes that align with district and regional wastewater treatment strategies.							
Project team:				Sponsor: Mike Dunn Project Manager: Eugene Priest Horizons Regional Council Elected Members Ngāti Kahungunu & Rangitane Rate payers/general public Landowners ET/PMO Compliance Manager							
Key stakeholders:											
Plan											







Project name Future Community Urban Design



Report date:	Start date:	Approved end date:	Projected end date:
Mar-25	Jul-23	Oct-24	Jul-25

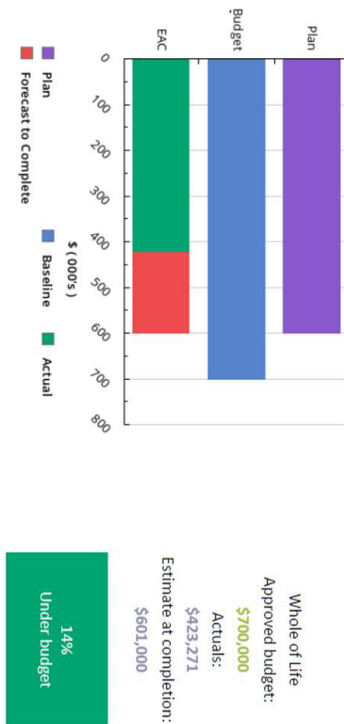
Purpose: The purpose of the Future Community Urban Design project is to "Developing a Framework for Managing the Built Environment in Urban Areas for Future communities"

Project team: Sponsor: Mike Dunn
Project Manager: Sue Lawrence

Key stakeholders: Community Boards

Iwi
Community members
Horizons Regional Council
Waka Kotahi
Council members
Developers
Utility Providers
Kainga Ora
TDC Staff

Project budget:



Status update:

	PREVIOUS STATUS	CURRENT STATUS	
Overall:	G	G	The working draft of the Urban Design Strategy, initially expected in late February, has been delayed due to the unexpected unavailability of the consultant's staff. Following this, feedback will be sought from Elected Members, Iwi, and the consulted town communities, Pāhātua and Eketahuna, who initially opted out of the Strategy, will be contacted to see if they now wish to participate. This decision and the delay in the draft plan will affect the Strategy's timeline and budget. A plan for the delivery of the ePlan is being circulated, with the adopted draft District Plan scheduled to be accessible via ePlan in July.
Scope:	G	G	Part A Urban Growth Strategy adopted and the Development Policy to inform the District Plan Review. For Part B the deliverable is the Urban Design Strategy 2025-2050 (previously referred to as the Town and Village Centre Upgrade and Urban Connectivity Strategies).
Time:	G	G	The timeline for the Urban Design Strategy, dependent on the delivery of the draft plan and the decision of Eketahuna and Pāhātua to participate, is likely to be extended by 4-6 weeks to June 2025. The project end is still planned for July 2025.
Budget:	G	G	Current expenditure is \$423,271, which is 56% of the total budget of \$700,000. The decision for Eketahuna and Pāhātua to participate in the strategy is not budgeted for and will alter the current forecasted project spend, which is \$601,000, 14% under budget.
Quality:	G	G	Deliverables and timeframes are being monitored.
Risks:	G	G	There is no change to the Risks.
Opportunities:	G	G	N/A
Health, & Safety:	G	G	N/A
Resources:	G	G	Expert resources have been engaged to undertake this project.
Comms:	G	G	Ongoing liaison with Comms team as required.

Next steps:

Consultation with the Elected members, Iwi and town specific communities.
Urban Design Strategy completed.
Adopted Draft District Plan is available on ePlan

Project timeline:	Background and Development Phase	Draft Growth Strategy adopted	Approval of Growth Strategy	Community Engagement for Urban Design Strategy	Development Policy completed for District Plan Review	Feedback on Draft Report finalised	Urban Design Strategy adopted	ePlan for District Plan released	FINISH
START	Jun-23	Dec-23	May-24	Dec-24	Feb-25	Apr-25	Jun-25	Jul-25	