

# AGENDA/KAUPAPA



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MEMBERSHIP: Larry Foster (Chair), Colin Alder, Andy Cranston, Debbie Gregory, Ani Pahuru-Huriwai, Rawinia Parata, Aubrey Ria, Tony Robinson, Rob Telfer, Teddy Thompson, Rhonda Tibble, Nick Tupara, Josh Wharehinga and Her Worship the Mayor Rehette Stoltz.

## OPERATIONS - INFRASTRUCTURE/NGĀ WHAKAMAHI - TE HANGANGA Committee

DATE: Thursday 22 February 2024

TIME: 9:00AM

AT: Te Ruma Kaunihera (Council Meeting Room), Awarua, Fitzherbert Street, Gisborne

### AGENDA – OPEN SECTION

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# Operations – Infrastructure

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<b>Reports to:</b>	Council
<b>Chairperson:</b>	Cr Larry Foster
<b>Deputy Chairperson:</b>	Cr Teddy Thompson
<b>Membership:</b>	Mayor and all Councillors
<b>Quorum:</b>	Half of the members when the number is even and a majority when the membership is uneven.
<b>Meeting frequency:</b>	Six weekly (or as required).

## Functions

- To provide governance oversight of Council's operational programmes, services, activities and projects (including major projects) related to infrastructural assets.
- To enable the progress of the Council's operational activities, projects and services.

Its scope includes:

### Infrastructure Services

- Urban Stormwater
- Wastewater
- Water Supply
- Land, Rivers and Coastal
- Local Rooding Network – including associated structures, bridges and retaining walls, walkways, footpaths and road reserve, landscaping and ancillary services and facilities, street lighting and traffic management control.
- Solid Waste – including landfill and transfer stations, recycling and waste minimisation.

## Terms of Reference

### Operational oversight

- Provide governance direction for the Council's operational activities as outlined in the general purposes and scope section.
- Review and adjust relevant working programme priorities within agreed budgets, activity management plans and levels of service as per the Council's Long Term Plan.
- Receive updates on programmes, major projects/projects and activities.
- To have input into, and make decisions on, operational proposals, options and cost of projects/major projects.
- Contribute to the development of short term plans for community services and community facilities.
- Consider the strategic regulatory and compliance issues.
- Prepare submissions on any matter that is within its rationale and terms of reference for Council approval and submit on behalf of Council when timelines do not allow Council prior approval.

### Asset Management

- Oversee the management of all Council's physical assets – including land, buildings and roads.
- Make decisions on infrastructure and assets becoming Council's and on infrastructure and community assets on behalf of Council.
- Progress the sale of properties as approved in the Long Term Plan and Annual Plan.
- Contribute to the development of and oversee delivery of economic development projects.
- Consider proposals to change the status or revoke the status of a reserve as defined in the Reserves Act 1977 (including the hearing of submissions).

## Power to Act

To make all decisions necessary to fulfil the role and scope of the Committee subject to the limitations imposed.

To establish subcommittees, working parties and forums as required.

To appoint non-voting advisory members (such as tangata whenua representatives) to assist the Committee.

## Power to Recommend

To Council and/or any Council committee as it deems appropriate.

# MINUTES

## Draft & Unconfirmed



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## MINUTES of the OPERATIONS - INFRASTRUCTURE/NGĀ WHAKAMAHI - TE HANGANGA Committee

Held in Te Ruma Kaunihera (Council Meeting Room), Awarua, Fitzherbert Street, Gisborne on Thursday 9 November 2023 at 9:00AM.

PRESENT:

Her Worship the Mayor Rehette Stoltz, Colin Alder, Andy Cranston, Larry Foster, Debbie Gregory, Ani Pahuru-Huriwai, Rawinia Parata, Rob Telfer, Daniel Thompson, Rhonda Tibble, Josh Wharehinga.

IN ATTENDANCE:

Chief Executive Nedine Thatcher Swann, Acting Director Lifelines Dave Hadfield, Director Internal Partnerships & Protection James Baty, Director Livable Communities Michele Frey, Director Engagement & Maori Partnerships Anita Reedy-Holthausen, Chief Financial Officer Pauline Foreman, Director Sustainable Futures Jo Noble, Democracy & Support Services Manager Heather Kohn and Committee Secretary Ariana Albert.

**Secretarial Note:** Cr Parata, Cr Pahuru-Huriwai, Cr Telfer and Maori Responsiveness Manager Gene Takurua attended the meeting via audio-visual link.

The meeting commenced with a karakia.

### 1. Apologies

MOVED by Cr Wharehinga, seconded by Cr Stoltz

That the apologies from Cr Ria, Cr Robinson, Cr Tupara be sustained.

**CARRIED**

### 2. Declarations of Interest

There were no interests declared.

### **3. Confirmation of non-confidential Minutes**

#### **3.1 Confirmation of non-confidential Minutes 14 September 2023**

MOVED by Cr Gregory, seconded by Cr Cranston

That the Minutes of 14 September 2023 be accepted.

**CARRIED**

#### **3.2 Confirmation of Confidential Minutes 14 September 2023**

MOVED by Cr Gregory, seconded by Cr Wharehinga

That the Minutes of 14 September 2023 be accepted.

**CARRIED**

#### **3.3 Action Sheet**

Action Sheet noted.

### **4. Leave of Absence**

There were no leaves of absence.

### **5. Acknowledgements and Tributes**

There were no acknowledgements or Tributes.

### **6. Public Input and Petitions**

#### **6.1 Hemara Donnelly - Traffic Endcliffe Road**

**Secretarial Note:** Hemara Donnelly did not attend the meeting.

#### **6.2 Daryl Keast - Dump Station and Mobile Homes**

Local Area Secretary for NZMCA Daryl Keast attended the meeting and presented his deputation on pushing for a more accessible and functional public dump station and water refill station.

Questions of clarification included:

- Hallrite currently own the site where the current dump station is located. However, they have indicated that there is a potential that this site will be non-operational in the next few years.
- It was advised that communicating with other councils would help to establish a comprehensive understanding of the operational expenditure requirements of a dump station.
- The dump station's pipelines join the sewers and as a result do not require regular maintenance.
- Dump stations typically do not have associated fees since they are considered public facilities. However, if a secure facility is put in place, the imposition of charging would be justifiable.

- The construction process proposed is in alignment with the approach Tasman District Council employed to obtain a dump station and based on their expenditure, the estimated cost would be \$180k. This would cover construction and the first year of operational costs.
- Funding can be obtained through applications to grant from MBIE and remaining costs would be funded by the NZMCA. This project is expected to have zero capital cost to Gisborne District Council.
- The expectation is to encourage tourism and to allow for visitors to stay in the region longer.

## **7. Extraordinary Business**

There was no extraordinary business.

## **8. Notices of Motion**

There were no notices of motion.

## **9. Adjourned Business**

There was no adjourned business.

## **10. Reports of the Chief Executive and Staff for INFORMATION**

### **10.1 23-207 Community Lifelines Update**

Acting Director Community Lifelines Dave Hadfield attended the meeting and answered questions of clarification including:

- Waihau Beach road is expected to be fully open to the public by the end of November. Engineering information to be reviewed by the Chief Executive to check if it is satisfactory before notifying the public that the road has been reopened.
- Although the connection to the dam at the Waingake Retrofit is functional from a transactional perspective, the Te Arai River and surrounding rivers continue to serve as the primary water supply source for the city. For health and safety concerns, the dam cannot be used due to residual silt and potential contamination issues. Council is awaiting a dry spell to address these issues.

MOVED by Cr Gregory, seconded by Cr Cranston

That the Operations - Infrastructure/Ngā Whakamahi - Te Hanganga Committee:

1. Notes the contents of this report.

**CARRIED**

## **11. Close of Meeting**

There being no further business, the meeting concluded at 9:37am.

## **Chair**

Larry Foster

### 3.2. Action Sheet

Meeting Date	Document	Item No.	Item	Status	Action Required	Assignee/s	Action Taken	Due Date
14/09/2023	Operations Committee - Infrastructure 14 September 2023	10.1	23-209 Streets for People Grey Street	In progress	Advise Councillors of the reason the designer went with the option they did instead of a roundabout at the Grey Street/Kahutia Street intersection.	Lauriel Edwards		18/10/2023



**Title:** 24-52 Journeys Infrastructure Projects  
**Section:** Journeys Infrastructure  
**Prepared by:** Dave Hadfield - Journeys Infrastructure Manager  
**Meeting Date:** Thursday 22 February 2024

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Legal: No

Financial: No

Significance: **Medium**

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## Report to OPERATIONS - INFRASTRUCTURE/NGĀ WHAKAMAHI - TE HANGANGA Committee for information

### PURPOSE - TE TAKE

The purpose of this report is to provide an update to the committee about the land transport infrastructure projects. A **presentation** will also be provided to the committee.

### SUMMARY – HE WHAKARĀPOPOTOTANGA

The report provides a status update on the following projects:

- East Cape Road
- Roading rebuild programme for sealed and unsealed
- 1000-year Bridge
- Large woody debris
- Bridge rebuild programme
- Bridge repair programme
- Tiniroto alternative
- Community projects
- Asset Management Plan

The decisions or matters in this report are considered to be of **Medium** significance in accordance with the Council's Significance and Engagement Policy.



## RECOMMENDATIONS - NGĀ TŪTOHUNGA

That the Operations - Infrastructure/Ngā Whakamahi - Te Hanganga Committee:

### 1. Notes the contents of this report.

*Authorised by:*

**Tim Barry - Director Lifelines**

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**Keywords:** journeys infrastructure projects, operations infrastructure update, east cape road, roading rebuild programme, 1000-year bridge, large woody debris, bridge rebuild programme, bridge repair programme, Tiniroto alternative, community projects, asset management plan.

## **BACKGROUND - HE WHAKAMĀRAMA**

1. This report provides a summary account on the Council's land transport infrastructure projects. Twelve months on from the devastation and damage caused by Cyclone Gabrielle, this report covers progress with Long Term Plan (LTP) and Crown funded projects.

## **DISCUSSION and OPTIONS - WHAKAWHITINGA KŌRERO me ngā KŌWHIRINGA**

2. A high-level description of progress is attached in the appendices, but project specific comments are detail below.

### **East Cape Road**

3. The last remaining project that was funded as part of the Government's response package to a value of \$4.5m.
4. Contractors finally have unrestricted access to this site now the damaged Awatere Bridge by Te Araroa is fully restored. The project provides resilience to East Cape Road. A major milestone for the contract was completed with rock now placed along the foreshore at site one above the high tide mark. This allows machinery to work unhindered by the impact of tidal cycles. We have two further sites to complete.
5. We are working in a coastal environment so compliance with the Environmental Plan is critical.

### **1000-year Bridge**

6. A storytelling project that highlights our region's first arrivals and great navigators with a project cost of \$1.8m. The underground infrastructure to support the waka is completed, and contractors have dis-established offsite.
7. Our contractors will restart at the end of April as there are delays with fabricating the waka, with an original delivery date of May 2024. The Hawkes Bay supplier has considerable bridge work as part of the cyclone recovery work. The revised completion date is July/August 2024.

### **Roading rebuild programme for sealed and unsealed network**

8. Contractors are progressing nicely through their work programme and if favourable weather conditions continue, it is forecast that the work programme will be finished by April.
9. The total budget for the combined programme is \$13.6M however the network need is great. At year end there will be a greater expenditure in roading rebuilding and drain clearing programmes but reductions in heavy metalling and resurfacing budgets to meet end of year budgets.
10. Multiple extreme weather events have caused many of our underlying pavements (material under the road surface) to be saturated for longer than normal. This has caused significant surfacing defects across the network and will take a long time to recover. We are in discussion with New Zealand Transport Agency (NZTA) to collate a Cyclone Gabrielle recovery plan.

**Large woody debris**

11. Large quantities of woody debris (WD) were mobilised during Cyclone Gabrielle impacting council assets, private properties and the environment. To help, the Government has allocated \$37.0M of funding to the Tairāwhiti region for the treatment of silt and woody debris.

Ministry of Primary Industries (MPI)	\$4M
Department of Internal Affairs (DIA)	\$33M

12. An Expression of Interest (EOI) was developed in April-May 2023 focusing on extraction and treatment of WD. The EOI and procurement process have been designed to align with the 2019-2024 Provincial Growth Funds - Tairāwhiti Roading Package procurement strategy.

- Increased direct employment opportunities across the region by "improving employment opportunities for disadvantaged populations" by prioritising local or regional businesses, social enterprises, smaller contractors, or those suppliers with plans to recruit locally.
- Enabling and building capability in the local workforce by having a locally led solution to the works.
- Providing opportunities for lower socio-economic communities across the region to empower their people with greater skills and capabilities to facilitate economic and social development.
- Ensuring good health and safety policies and practices are in place and /or training to promote the safe working conditions of workers.
- Opportunities to exceed/surpass 8% Government progressive procurement targets.

13. The EOI had specific criteria like methodology, equipment and unit rates, and health and safety and was placed on GETS with the following timeframes.

Advertised 29 May 2023

Deadline for Proposals 9 June 2023

14. 46 proposals were received, and after reviewing the proposals, 35 tenderers were selected as Preferred Contractor Status. Letters were sent to the successful contractors on 23 June 2023. The chart over the page gives an update of progress so far.

Catchment	Extracted from waterways (tonnes)	Stockpiled awaiting treatment. (tonnes)	Burnt	Chipped
Te Arai	41,323	26,690	14,633	0
Waimata	34,086	15,968	18,118	0
Hikuwai	43,674	37,019	6655	0
Waiapu	29,800	0	29,000	0
Beaches	44,258	8,274	11,336	13,074
<b>Total</b>	<b>181,067</b>	<b>87,951</b>	<b>80,542</b>	<b>12,574</b>

15. The project team has three treatment options – shredding (for instance, the city beach WD is collected and chipped offsite), placement of WD along existing sand dunes to mitigate sea erosion and the other method is high oxygen burning. Our contractors are exploring options to speed up the treatment of stockpiled materials.
16. Finally, the WD that needs to be removed from our waterways is forecast at 1.9M tonnes. We are completing another review of the catchments to confirm this value.

### **Bridge rebuild programme**

17. Council has received \$23m to rebuild between two - four bridges, the first bridge is St Ledgers in Tiniroto road. Bridge designers are procured with the intention to have this completed by May, staff are working through the consent process with favourable discussions with iwi and the community.
18. NZTA provided us the opportunity to retrieve the steel beams from the damaged SH35 Hikuwai bridge, which we will use on the St Ledgers Bridge replacement.
19. As this is a new bridge in a new location, we have asked Rongowhakaata to provide a new name for the bridge. When the final tender price is submitted for the St Ledger Bridge replacement, we can start procuring the second bridge.
20. No decision on the second bridge has been determined and requires further prioritisation.

### **Bridge repair programme**

21. 52 bridges require major structural repair before additional storms deteriorate onsite conditions with further loss of connection to communities. The Crown Infrastructure Partners (CIP) have allocated \$17.5m to this project.
22. Designs for 17 bridges ready for tender and contract procurement documents reviewed by Simpson Grierson completed with the tendering timeframe of the end of February.
23. Our goal is to have a selected panel of local contractors that we can distribute this programme of work through. The project team will distribute the work in batches, fix prices and then distribute the next set. This measure will keep us in within the overall budget.
24. If there is a shortfall then the remaining bridges will need to be funded under our future NZTA emergency works applications for the period 2024-20247.

### **Tiniroto alternative**

25. The project is to provide an alternative to SH2 there are two workstreams in play.
  - A feasibility study that will take 4-6 weeks to confirm whether the project can be delivered for \$45m. The alternative route is on private property, and we have landowner agreement to carry out investigations. To date the only project costs are the construction of a low-level crossing to access the property for \$300,000. If the budget is significantly under, then to provide a revised forecast.

- Professional service providers LDE and WSP are reviewing the existing Hangaroa Bluff with staff to establish a cost to safety reopen the Bluffs. This inspection with council staff was completed in January 2024. The goal is to understand the full life cycle costs for this section of Tiniroto Road, for instance, we could reopen the Bluffs but leave our operations team with a significance maintenance concern. The draft plan will be ready by the end of February, but costings are still being worked through.
26. There is considerable tension amongst the community about the timeframe to deliver this project. But once these two pieces of work are finalised, we will be able to inform not just the Tiniroto community, but the wider community as well.

### **Community projects**

27. The scope of this \$27m CIP project has been defined and it will be targeted at providing greater resilience on Mata-Ihungia roads as an alternative to SH35 and Te Wera and Wharekopae roads as an alternative SH2 route.
28. Staff are carrying out field inspections to confirm the present roading faults and confirm the road drainage improvements. This project has a unique problem in that issues along both routes will be funded from dual sources either CIP/NZTA.
29. For instance, a Cyclone Gabrielle dropout funded by the NZTA along the Te Wera Road will be included in programme to improve efficiencies, but the project team will need to ensure they use the correct cost code.
30. This will take six months to deliver into packages of work ready to tender to the market.

### **Asset Management Plan**

31. NZTA wants to know how Council will manage its roading network programme over the next three years, while delivering its normal business as usual work CIP programme and large emergency works programme.
32. This critical work is collated into an asset management plan and needs to be completed by 30 June 2024. This plan is required to access government land transport funding.
33. The first draft was provided to Waka Kotahi in December 2023 and will be continually refined until the LTP roading rates are confirmed by Council.
34. Staff are waiting for the release of the government policy statement for Land Transport which will define the transport priorities and funding allocations for the next 3 years.

### **ASSESSMENT of SIGNIFICANCE - AROTAKENGA o NGĀ HIRANGA**

35. The decisions or matters in this report are considered to be of **Medium** significance in accordance with Council's Significance and Engagement Policy.

### **TANGATA WHENUA/MĀORI ENGAGEMENT - TŪTAKITANGA TANGATA WHENUA**

36. Site specific issues have been informative discussions rather than consultative. But as project scopes become defined targeted partnership discussions can begin.

## **COMMUNITY ENGAGEMENT - TŪTAKITANGA HAPORI**

37. Site specific issues have been informative discussions rather than consultative. But as project scopes become defined targeted community discussions can begin.

## **CLIMATE CHANGE – Impacts / Implications - NGĀ REREKĒTANGA ĀHUARANGI – ngā whakaaweawe / ngā ritenga**

38. The impact of climate change is being considered in construction design to provide resilience opportunities.

## **CONSIDERATIONS - HEI WHAKAARO**

### **Financial/Budget**

39. There are several government funding providers and so it's critical that project managers are using the correct job codes to mitigate any future audit issues.

### **Legal**

40. We have used external legal support to review contract documents before procuring these to the market. This is to resolve the risk that in the pace of putting contracts documents to tender, we need to keep updated with any changes in contract law.

## **POLICY and PLANNING IMPLICATIONS - KAUPAPA HERE me ngā RITENGA WHAKAMAHERE**

41. Not applicable at this time but there will be a linkage with the 2024-2027 Long Term Plan and 2024-2027 Regional Land Transport Plan.

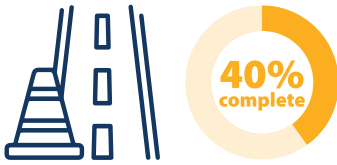
## **RISKS - NGĀ TŪRARU**

42. Each project has specific risks that need to be addressed, many of the projects are still in the discovery phase and will become more certain as the projects develop.

## **ATTACHMENTS - NGĀ TĀPIRITANGA**

1. Attachment 1 - Gisborne District Council Roadway Infrastructure Projects - February 2024 [24-52.1 - 1 page]

# ROADING INFRASTRUCTURE PROJECTS FEB UPDATE



## East Cape Road (PGF)

**Problem:** Part of Governments COVID response package.

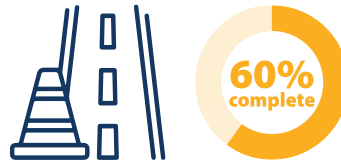
**Solution:** Rock protection works.

**Outcome:** Reduce road closures and build engineering capacity.

**Completion Date:** August 2024

**Cost:** \$4.5m

**Risk:** Environmental



## Reseals, Rehabs, Drainage & Heavy Metalling

**Problem:** Continued asset deterioration and levels of service.

**Solution:** Complete annual plan capital programme.

**Outcome:** Slow down deterioration levels and reduce maintenance costs.

**Completion Date:** May 2024

**Cost:** \$13.6m

**Risk:** Changing asset demands



## 1000-year Walkway Bridge

**Problem:** Lack of storytelling and design that highlights our regions first arrivals and great navigators.

**Solution:** 1000 year bridge.

**Outcome:** A major tourist feature.

**Completion Date:** November 2024

**Cost:** \$1.8m

**Risk:** Reputation



## Large Wood Debris (MPI and DIA)

**Problem:** Life, council assets and properties at risk of wood debris remobilising during heavy rainfall events.

**Solution:** Removal and treatment of debris from high risk catchments, Waimata, Uawa, Hikuwai, Waipaoa, Te Arai and Waimata.

**Outcome:** Remove risks but enable Council to partner with iwi and landowners about future catchment management.

**Risks:** Difficult operational terrain and tight delivery timeframe.

**Completion Date:** June 2024

**Cost:** \$54m



## Bridge Rebuild Programme (CIP)

**Problem:** Communities have been cut off and using temporary fords or alternate routes.

**Solution:** Restore access.

**Outcome:** Provide reliable connections to our communities.

**Risks:** Prioritisation

**Completion Date:** June 2027

**Cost:** \$23m



## Bridge Repair Programme (CIP)

**Problem:** 52 bridge require major structural repair before additional storms deteriorate onsite conditions with further loss of connection to communities.

**Solution:** Fix bridges.

**Outcome:** Provide reliable connections to our communities.

**Risks:** Increased demand for commodities.

**Completion Date:** December 2025

**Cost:** \$17.5m



## Tiniroto Alternative (CIP)

**Problem:** Tiniroto Road by Hangaroa Bluffs is closed..

**Solution:** Provide a solution that will address the risks at the Bluffs.

**Outcome:** Provide an alternative to SH2.

**Risks:** Reputation and costs.

**Completion Date:** June 2029

**Cost:** \$45m



## Roadside Drainage Programme Supporting Iwi Communities(CIP)

**Problem:** Package of works that provides greater resilience to iwi communities.

**Solution:** Provide greater resilience on Mata-Ihungia, Te Wera and Wharekopae Roads.

**Outcome:** Provide an alternative to SH2 and SH35.

**Risks:** Currently unknown

**Completion Date:** June 2027

**Cost:** \$27m



## Asset Management Plan

**Problem:** The government wants to know how Council will manage its roading network programme over the next three years, delivering its normal business as usual work CIP programme and large emergency works programme.

**Solution:** Development of an Asset Management Plan.

**Risks:** Government Policy and Funding.

**Completion Date:** June 2024

**Cost:** \$0.3m

**Title:** 24-55 Water Capital Projects Update  
**Section:** Water Manager  
**Prepared by:** Leo Kelso - Water Manager  
**Meeting Date:** Thursday 22 February 2024

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Legal: No

Financial: No

Significance: **Low**

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## **Report to OPERATIONS - INFRASTRUCTURE/NGĀ WHAKAMAHI - TE HANGANGA Committee for information**

### **PURPOSE - TE TAKE**

The purpose of this report is to provide a high-level progress update on the Water activity relating to recovery from the impact of Cyclone Gabrielle.

### **SUMMARY – HE WHAKARĀPOPOTOTANGA**

The report provides a status update on the following projects:

- Lamella project
- Sang pipeline
- Stabilising slips
- Woody debris
- Water pipeline – raw and treated
- Wastewater and Stormwater Tomo's
- Outfall pipeline – Adventure Playground
- Outfall pipeline – Marine outfall

The decisions or matters in this report are considered to be of **Low** significance in accordance with the Council's Significance and Engagement Policy.



## RECOMMENDATIONS - NGĀ TŪTOHUNGA

That the Operations - Infrastructure/Ngā Whakamahi - Te Hanganga Committee:

1. Notes the contents of this report.

*Authorised by:*

**Tim Barry - Director Lifelines**

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**Keywords:** recovery, resilience, NEMA, water, wastewater, stormwater, slips, woody debris, tomos

## **BACKGROUND - HE WHAKAMĀRAMA**

1. This report provides a summary account on the Council's water, wastewater, stormwater programmes. Twelve months on from the devastation of Gabrielle and the multiple rain events in 2023, this account covers progress with emergency capital projects.
2. The reported activities are those that relate to the impact and recovery from Cyclone Gabrielle to keep the committee informed.

## **DISCUSSION and OPTIONS - WHAKAWHITINGA KŌRERO me ngā KŌWHIRINGA**

### **Water Supply**

#### **Lamella Project**

3. Following damages from Cyclone Gabrielle in February 2023, the Waingake Water Treatment Plant continued in limited output operation because of silting in the source water of the Mangapoike dams. Subsequent rain falls since Gabrielle further exacerbated the issue and illustrated this will continue to be an ongoing issue.
4. The Waingake plant treatment process cannot manage high turbidity without pre-treatment. Since 30 March 2023, Gisborne's water supply demand has been met through operation of two treatment plants, the Waipaoa plant (closer to Gisborne City) and the Waingake plant using the Te Arai river.
5. The Lamella pre-treatment project is a critical recovery project needed to return water treatment capacity back to pre-Gabrielle levels and ensure safe drinking water could be supplied to the city.
6. The Waingake Lamella project was completed in January with an opening ceremony held on 1st February. The project was completed on time and was a testament to the team involved. The impact of the pre filtration system was immediate, it is highly efficient at removing silt and production volumes have returned to normal.
7. The original project cost was \$5.5m, the final cost is projected at \$5.7m. The budget overrun is due to additional costs forming a crane platform at Waingake.



**Sang Pipeline**

8. Cyclone damage to the Sang dam water quality was minor and the water was not silted. A new pump station and pipeline was constructed to bring water to the combined Mangapoike dams supply pipeline.
9. Following the damages from Cyclone Gabrielle, AgFirst Engineering Consultants, a local Gisborne company started design, procurement, and preparations for construction of the pump station and pipeline.
10. The Sang pipeline and pump station project contract value is \$632,472 with the contract being awarded to Ag-First Engineering Ltd, a local Gisborne company.
11. The Sang pipeline construction was completed in October and the pump station with lake water intake installed and commissioned early December 2023. Ongoing rain events caused delay to completion on this emergency project.



### **Stabilising slips**

12. Stabilising slips within the catchment was identified as an important action to help minimise future impacts. Drone seeding was done in spring 2023 on the slips in the bush catchment surrounding the supply dams, however, it didn't have good strike rate. More work will be done in autumn 2024 including monitoring natural regeneration of ground cover.

### **Woody Debris**

13. The removal of large woody debris in the catchment is a priority to manage the risk of mobilisation of the material and subsequent high risk it poses to pipeline infrastructure.
14. This removal is being worked through by the Recovery team and is planned for early 2024.

### **Water Pipeline – Raw and Treated**

15. Security of supply to the Waingake Treatment Plant and treated water to the city is critical. The impacts of Gabrielle resulted in multiple breaks which have been repaired.
16. Refurbishment programs on sections of the repaired pipe will be underway in early 2023.

17. The ongoing impact of Gabrielle on our pipeline resulted in a slip displacing a section of pipeline in November. Temporary emergency repairs were carried out and supply reinstated. Options for pipeline protections and /or retreat and land drains are required for this site, pricing and works programme are pending early 2024.



18. Critical pipeline and water source resilience funding has been applied for in the 3-year Long Term Plan with a focus on expediting repairs when breaks occur, pipeline protection projects, pipeline and water source access, water source resilience to treatment plants, risk assessments to inform water resilience works.

## **Wastewater / Stormwater**

### **Tomo's**

19. As a result of Cyclone Gabrielle, the City wastewater and stormwater network is in a fragile condition. To date new Tomo's and slumps are being reported on a regular basis. Some of these are simple and easy to fix, while others are large and expensive. As new Tomo's are reported, they are reviewed and triaged, critical jobs are started immediately, and low priority jobs are done as resources are made available.
20. 113 Tomo's have been identified to date. These vary in size and have been prioritised by considering the impact on health and safety of residents. It has been a delicate balancing act to ensure public safety and service is maintained. 94 have been rectified to date with 19 remaining.
21. The Tomo's are subject of a claim to NEMA and Council's insurance company. Currently the cost of these repairs falls within operational budgets.

### **Outfall pipeline – Adventure Playground**

22. As a result of Cyclone Gabrielle silt built up around the discharge ports of the outfall pipe, this combined with prolonged high pumping rates, created abnormal pressure on the outfall pipe resulting in damage occurring to a section of the pipe in the Adventure Playground on Marine Drive.
23. Repair to the damaged pipeline was actioned under emergency works and was completed on 5 October 2023. The cost of repair was \$638k and is a NEMA and insurance claim.



### **Outfall Pipeline – Marine Outfall**

24. A critical factor of the break in the outfall pipe was the silt buildup from Gabrielle around the marine section of the outfall pipe. The excessive volume of silt accumulation over the outfall pipe discharge ports section meant that only 10 out of 22 ports are working, this created abnormal pressure on the pipeline causing the failure in the pipe.
25. While the damaged section of pipeline has been repaired (site 25), the discharge ports must be reinstated back to pre-Gabrielle levels to remove the abnormal pressure created by the silt build up and avoid more pipeline failures attributed to Cyclone Gabrielle. The repair will require a specialist in marine outfall pipes to dredge the affected section of the pipe to remove the accumulated silt from Cyclone Gabrielle. Once the silt has been removed the contractor will open the end cap of the pipe which will enable the removal and replacement of the damaged discharge ports (diffusers) to ensure performance is returned to pre-Gabrielle capacity.

26. As this process is undertaken in a marine environment, it is dangerous, highly technical, requiring specialist equipment and personnel, and is forecast to take four weeks to complete. The price for the work will be \$887k and NEMA has been advised.



#### **ASSESSMENT of SIGNIFICANCE - AROTAKENGA o NGĀ HIRANGA**

Consideration of consistency with and impact on the Regional Land Transport Plan and its implementation

**This Report:** **Low** Significance

Impacts on Council's delivery of its Financial Strategy and Long Term Plan

**This Report:** **Medium** Significance

Inconsistency with Council's current strategy and policy

**This Report:** **Low** Significance

The effects on all or a large part of the Gisborne district

**This Report:** **Low** Significance

The effects on individuals or specific communities

**This Report:** **Low** Significance

The level or history of public interest in the matter or issue

**This Report:** **Low** Significance

27. The decisions or matters in this report are considered to be of **Low** significance in accordance with Council's Significance and Engagement Policy.

#### **TANGATA WHENUA/MĀORI ENGAGEMENT - TŪTAKITANGA TANGATA WHENUA**

28. Engagement was undertaken for the Outfall Pipeline repair.

## COMMUNITY ENGAGEMENT - TŪTAKITANGA HAPORI

29. There has been no community engagement.

## CLIMATE CHANGE – Impacts / Implications - NGĀ REREKĒTANGA ĀHUARANGI – ngā whakaaweawe / ngā ritenga

30. The items in this report are considered neutral from a climate change perspective.

## CONSIDERATIONS - HEI WHAKAARO

### Financial/Budget

31. The cost of these Gabrielle related projects is substantial - \$5.7m Lamella, \$632k Sang pipeline, Outfall pipeline repair \$638k, Marine outfall \$887k, Tomo repairs \$675k etc. Payment of the claims made to insurance and National Emergency Management Agency (NEMA) are critical, any shortfall in funding would fall to Council. We are currently working with Council finance team to identify what will be covered and what will not to quantify the impact on Operation and Capital budgets.

### Legal

32. There are no legal implications for this report.

## POLICY and PLANNING IMPLICATIONS - KAUPAPA HERE me ngā RITENGA WHAKAMAHERE

33. There are no policy and planning implications for this report.

## RISKS - NGĀ TŪRARU

34. Risk of interruption to water supply is constant. Funding to ensure resilience programmes can be actioned is critical. The impact of the Three waters repeal and the introduction of “Local water done well” will need to be worked through.

## NEXT STEPS - NGĀ MAHI E WHAI AKE

Date	Action/Milestone	Comments
18 April 2024	Update report to Operations Committee	