



**NAPIER**  
CITY COUNCIL  
*Te Kaunihera o Ahuriri*

Napier Civic Building  
231 Hastings Street  
**t +64 6 835 7579**  
**e** [info@napier.govt.nz](mailto:info@napier.govt.nz)  
[www.napier.govt.nz](http://www.napier.govt.nz)

# SUSTAINABLE NAPIER COMMITTEE

## Open Agenda

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Meeting Date: Thursday 6 April 2023

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Time: 9.30am

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Venue: Large Exhibition Hall  
War Memorial Centre  
Marine Parade  
Napier

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*Livestreamed via Council's Facebook page*

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Committee Members Councillor Price (in the Chair), Mayor Wise, Deputy Mayor Brosnan, Councillors Boag, Browne, Chrystal, Crown, Greig, Mawson, McGrath, Simpson, Tareha and Taylor

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Officers Responsible Executive Director Infrastructure Services

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Administration Governance Team

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**Next Sustainable Napier Committee Meeting  
Thursday 18 May 2023**

## 2022-2025 TERMS OF REFERENCE - SUSTAINABLE NAPIER COMMITTEE

<i>Chairperson</i>	<i>Councillor Price</i>
<i>Deputy Chairperson</i>	<i>Councillor Mawson</i>
<i>Membership</i>	<i>Mayor and Councillors (13)</i> <i>Ngā Mānukanuka o te Iwi (Māori Committee) (2)</i>
<i>Quorum</i>	<i>8</i>
<i>Meeting frequency</i>	<i>At least 6 weekly (or as required)</i>
<i>Officer Responsible</i>	<i>Executive Director Infrastructure Services</i>

### **Purpose**

To provide governance oversight of the asset management and operation of Council's infrastructure by making decisions on strategy, policy and levels of service in respect to:

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| a) Transportation assets             | e) Parks, reserves and sportsgrounds |
| b) Three Waters                      | f) Cemeteries                        |
| c) Waste management and minimisation | g) The inner harbour                 |
| d) Building asset management         |                                      |

### **Delegated Powers to Act**

To exercise and perform Council's functions, powers and duties within its area of responsibility, excluding those matters reserved to Council by law or by resolution of Council, specifically including the following:

1. To review and adjust relevant work programme priorities within agreed budgets, activity management plans and levels of service as per Council's Long Term Plan.
2. To consider matters related to the management of Council's physical assets, and service related projects and facilities.
3. To oversee the management of all Council's physical assets.
4. To adopt or amend policies or strategies related to the Committee's area of responsibility, provided the new or amended policy does not conflict with an existing policy or strategy.
5. To consider any reports from infrastructure related joint committees and business units.
6. To resolve any other matters which fall outside the area of responsibility of all Standing Committees, but where the Mayor in consultation with the Chief Executive considers it desirable that the matter is considered by a Standing Committee in the first instance.

### **Power to Recommend**

The Committee may recommend to Council and/or any standing committee as it deems appropriate.

The Committee may make a recommendation to the Annual Plan or Long Term Plan relevant to the Committee's responsibilities.

The Committee must make a recommendation to Council or the Chief Executive if the decision considered appropriate is not consistent with, or is contrary to, any policy (including the Annual Plan or Long Term Plan) established by the Council.

# ORDER OF BUSINESS

## Karakia

## Apologies

Nil

## Conflicts of interest

## Public forum

Nil

## Announcements by the Mayor

### Announcements by the Chairperson including notification of minor matters not on the agenda

*Note: re minor matters only - refer LGOIMA s46A(7A) and Standing Orders s9.13*

A meeting may discuss an item that is not on the agenda only if it is a minor matter relating to the general business of the meeting and the Chairperson explains at the beginning of the public part of the meeting that the item will be discussed. However, the meeting may not make a resolution, decision or recommendation about the item, except to refer it to a subsequent meeting for further discussion.

## Announcements by the management

## Confirmation of minutes

Nil

## Agenda items

- |   |  |    |
|---|--|----|
| 1 | Report on Napier Water Supply Status for Period 1 April to 31 December 2022..... | 4  |
| 2 | Capital Programme Delivery .....   | 19 |
| 3 | Waste Water Treatment Plant Recommissioning Update.....                          | 27 |

## Minor matters not on the agenda – discussion (if any)

## Public Excluded

Nil

# AGENDA ITEMS

## 1. REPORT ON NAPIER WATER SUPPLY STATUS FOR PERIOD 1 APRIL TO 31 DECEMBER 2022

Type of Report:	Operational
Legal Reference:	N/A
Document ID:	1635039
Reporting Officer/s & Unit:	Anze Lencek, Water Quality Lead

### 1.1 Purpose of Report

This report is an information only report and there is no decision of Council required.

#### Officer's Recommendation

The Sustainable Napier Committee:

- a. **Endorse** the Report on Napier Water Supply Status for period 1 April to 31 December 2022.

### 1.2 Background Summary

Information presented in this Report is based on NCC 3 Waters Team's best understanding and interpretation of Drinking-water Standards for New Zealand 2008 (revised 2018), Health Act 1956, Water Services Act 2021 and new legislative documents published by Taumata Arowai which preceded all previous legislation after taking effect on 14 November 2022: Water Services (Drinking Water Standards for NZ) Regulations 2022, Aesthetic Values for Drinking Water 2022 and Drinking Water Quality Assurance Rules 2022 (Released 25 July 2022).

Although the changes in legislation took effect on 14 November 2022, Taumata Arowai is not asking suppliers to provide any compliance evidence or status report for the period up to 31 December 2022. Instead, Taumata Arowai set new yearly compliance periods, first starting 1 January 2023, and is only interested in compliance status thereafter. NCC is due to submit their first report on compliance for January and February 2023 on 14 March 2023. Upon submission of compliance evidence and reports Taumata Arowai might or might not provide feedback to confirm or dispute supplier's claims. Unlike Drinking Water Assessors' practice in the past, Taumata Arowai does not intend to proceed with comprehensive annual compliance assessments at the end of each compliance year.

### 1.3 Issues

The following points highlight the main issues and events relating to the supply that occurred in period 1 April – 31 December 2022:

- A) **Summary of any significant events that have occurred and changes to any of the supply elements, WSP and regulatory framework**

- **New legislation by Taumata Arowai.** In the second half of 2022 Taumata Arowai published three new legislative documents (as noted in Section 3.2 Background Summary) that took effect on 14 November 2022. As Bore Security Status is not recognised anymore within new legislation, Napier water supply as a whole is therefore not compliant with protozoa and bacterial requirements from 14 November 2022. WSP Improvement Plan has identified this gap and a project to commission two new bore fields with appropriate treatment capacities at each bore field is underway (due June 2027).
- **Water Safety Plan (WSP) and Source Water Risk Management Plan (SWRMP).** WSP version 5.0 has been finalised and published in August 2022 after undergoing a full review and alignment with latest framework requirements. SWRMP version 1.0 has been published in September 2022. Tonkin+Taylor consultants have been engaged to assist Officers in review and development in both instances.
- **A2 and A3 Water Treatment Plants** have been brought online on 20 September and 18 October 2022 respectively. Identically designed plants use appropriate UV treatment to address bacterial and protozoa compliance requirements. Online instruments allow for autonomous operations and are interlocked to shut down the plant should any of the monitored parameters be out of pre-set range.
- **C1 and A1** water sources (containing elevated iron and manganese levels) have been put offline on 31 October and 3 November 2022 respectively. Both remain operable but are not intended to be used outside of an emergency. Their outstanding contribution to water production will be covered by A2 and A3 bores which are low-manganese and low-iron water sources. We anticipate for both changes to have positive effect on the decrease of discolouration events in reticulation.
- **Water Quality Panels.** In December 2022 all bore sites excluding A2 and A3 have been upgraded with addition of water quality panels, which monitor source water and water leaving the sites. Besides their value for allowing enhanced operations and quality assurance, monitored parameters will also be used to demonstrate compliance under new legislation.
- **Chlorine (contact time) exemption application.** In December 2022 an application has been submitted to Taumata Arowai asking to exclude NCC from achieving mandated chlorine contact time in order to be able to demonstrate bacterial compliance by utilizing chlorination as adequate water treatment at all Water Treatment Plants (excluding A2 and A3 which have UV treatment installed to achieve bacterial and protozoal compliance).
- **Mains cleaning.** 2022 annual mains cleaning programme (aka pigging) commenced 8 June and ended 11 October. In total 73km of pipes have been cleaned and next areas included: Pirimai East, Onekawa, Trinity, Maraenui, Marewa, Taradale South, Taradale West and Tamatea.
- **DNP3 Protocol** (Distributed Network Protocol). This new addition has been added to the controls at the A2 and A3 Water Treatment Plants as well as all other bores sites to capture all data coming from water quality panels and other compliance

related instruments. At the same time MODBUS (data communications protocol) has been commissioned at above mentioned sites to accurately pull values and data from the instruments and other devices. Both new features enhance our data integrity, keeping and storing of data and decrease the chance of data errors and loss of connection.

- **New SCADA (Supervisory Control and Data Acquisition) servers.** Commissioning of the brand new SCADA servers has been completed in December 2022 which gave an increased resilience with high availability and disaster recovery. New servers have replaced old ones at both locations – library building and WWTP site.
- **Fire flow upgrades in Bayview** as required by the Water Master Plan have been completed in December 2022 in order to reduce the occurrences of pressure and flows being below the Firefighting Standard requirements. This project has been identified to upgrade a range of pipelines across the City to improve and provide adequate water pressure and flow to meet an FW2 standard of fire protection. An estimate of 3,409m of water mains have been upgraded in next locations: Onehunga Road, Franklin Road, Le Quesne Road, Main North Road, Hill Road and Berry Farm.

## **B) Summary of progress against the WSP Improvement Plan**

Revision 5.0 of the Water Safety Plan (WSP) also included review and update of its Improvement Plan. There has been a substantial increase of improvement actions that have been identified during that process. Previous WSP revision v4.4 had 18 improvement actions recorded. As on 31 December 2022 there were below improvement actions recorded:

- Assets category: 19 improvement actions; none overdue
- Investigation & Research category: 3 improvement actions; none overdue
- Operational category: 82 improvement actions; none overdue

## **C) Summary of significant reactive maintenance and major operations events.**

Nil.

## **D) Napier water supply compliance summary**

NCC has engaged Waugh Infrastructure Management Ltd. to conduct an independent 3<sup>rd</sup> party audit on compliance against bacterial and protozoa requirements against DWSNZ 2005 (Revised 2005) at the Source / Water Treatment Plants and distribution for the 2021-2022 compliance year (1 July 2021 – 30 June 2022). Report dated December 2022 shows full compliance as per above scope and is attached as an appendix to this report.

Same consultants have been approached to undertake similar exercise for the period 1 July 2022 – 31 December 2022 and the final report is expected before end of April 2022. At this stage Officers are confident that Napier water supply was fully compliant with all legislative requirements from 1 July 2022 to 13 November 2022. Since new

legislation in place from 14 November 2022 onwards does not recognise Secure Bore Status among other changes, we do not expect to be fully compliant against all requirements.

Despite expected shortcomings in the compliance assessment after 14 November 2022 it should be noted that the monitoring of Napier water supply at the sources, water treatment plants and distribution did not show any microbiological, chemical or radiological exceedances of any Maximum Acceptable Value for the period in question.

## E) Napier water supply related Customer Complaints summary

Customers' Service Requests (SR) are captured in MagiQ software. From a water quality and risks perspective, the main focus is given to clarity, odour, taste and pressure/flow issues. Numbers of SRs received for each of these categories are presented in the table below.

Service Request Category	Apr22	May22	Jun22	Jul22	Aug22	Sep22	Oct22	Nov22	Dec22
Quality – Clarity	22	26	27	13	9	81*	23*	7	6
Quality – Odour	0	1	0	0	0	1	0	1	0
Quality – Taste	0	1	0	1	0	1	0	1	0
Quality – Pressure / Flow	1	2	4	1	3	3	4	2	0

\* Note – Spikes in numbers in Sep22 and Oct22 were correlated to known events in the network.

### 1.4 Significance and Engagement

N/A

### 1.5 Implications

#### Financial

N/A

#### Social & Policy

N/A

#### Risk

No risks have been identified.

### 1.6 Options

- The options available to Council are as follows: The purpose of this report is to present information to Council. Options have not been presented.

### 1.7 Development of Preferred Option

N/A

### 1.8 Attachments

- Waugh Infrastructure Management Ltd., Report: Napier City Council (NCC) Drinking Water Compliance Assessment 2021/2022 (Doc Id 1635070) [↓](#)

*Infrastructure Management*

**Napier City Council (NCC)**

**Drinking Water Compliance  
Assessment 2021/2022**

**December 2022**







## Napier City Council (NCC)

### Drinking Water Compliance Assessment 2021/2022 December 2022

Issue Information	
Prepared By	Vickey Diedericks (WIML)
Reviewed By	Courtney Slater & Tina McEwing (WIML)
Prepared For	Napier City Council (NCC)
Report Identifier	AUD-001-NCC
Project number(s)	64-022-1028 (NCC)
Issue Date	December 2022
Version Number	1



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## 1.0 ASSESSMENT OVERVIEW

An assessment was undertaken to analyse the data collected by Napier City Council (NCC) which is used to demonstrate compliance against section 4 and 5 of the DWSNZ (2018).

The secondary aim of the assessment is to identify potential areas of improvement in NCC systems, procedures and data collection to ensure that Napier City Council provides ongoing verification of delivering safe drinking water to their consumers.

### Summary of Findings

**Non-Conformances (NC):** 0

**Areas of Improvement (AI):** 0

### 1.1 Assessment Scope

#### Section 4, DWSNZ 2005:2018 - Bacterial Compliance

- Compliance against DWSNZ section 4
- Raw laboratory bacteriological data export from Water Testing Hawkes Bay (WTHB)
- Traceability of bacteriological results to laboratory reports
- Actions followed where *E. coli* transgression occurred

#### Section 5, DWSNZ 2005:2018 - Protozoal Compliance

- Compliance against DWSNZ section 5
- Awarding of secure bore statuses

#### Scope Exclusions

- Training records to perform monitoring tasks
- Standard Operating Procedures (SOPs) related to monitoring activities

#### 1.1.1 Supplies:

#### Source/Post Treatment

Table 1: Napier Supply details: Sources and Post Treatment

Plant Name and Hinekōrako Codes	Population Size	Treatment
A1 (G02037, TP03097)	59055	CL / Secure bore
C1 (G00067, TP00111)		CL / Secure bore
T2 (G00062, TP00105)		CL / Secure bore
T3 (G00065, TP00102)		CL / Secure bore
T5 (G00064, TP00103)		CL / Secure bore

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Drinking Water Compliance Assessment 2021/2022



Plant Name and Hinekōrako Codes	Population Size	Treatment
T6 (G01151, TP01961)		CL / Secure bore
T7 (G01395, TP02308)		CL / Secure bore

CL – Chlorination

## Distribution Zones

Table 2: Napier Supply details: Distribution Zones

Distribution Zone Name and Hinekōrako Codes	Population size	Compliance Criteria (DWSNZ 2018)
NAP001NA	59055	6A

### 1.1.2 Date range:

1 Jul 2021 to 30 Jun 2022



### 1.1.3 Documents reviewed:

Document	Date
Bore Security Report	23 January 2020
Annual Compliance Report (2020-2021)	5 October 2021
eQual query (Laboratory) <i>E. coli</i> and Total coliform results (1 July 2021 – 30 June 2022)	30 November 2022

## Personnel

Anze Lencek – Drinking Water Quality Lead

## 1.2 Definitions

### Non-Conformances (NC):

- Non-fulfilment of requirements related to Taumata Arowai requirements or DWSNZ 2005 (2018) requirements that may lead to potential non-compliance

### Areas of Improvement (AI):

- Suggestions where the assessor believes improvement could be made relating to good practice or overall system improvement.
- Potential non-conformances identified that falls outside the audit scope of the assessment

## 2.0 ASSESSMENT SUMMARY

### Source/ Post Treatment

Table 3: Summary of Napier Supply Compliance against Bacteriological and Protozoal Criteria

Plant Name and Hinekōrako Codes	Population size	Bacterial Compliance	Protozoa Compliance
A1 (G02037, TP03097)	59055	Complies	Complies – secure bore*
A2 (G11022)		NA- Commissioned post 2021/2022 compliance period	NA- Commissioned post 2021/2022 compliance period
A3 (G11023)		NA- Commissioned post 2021/2022 compliance period	NA- Commissioned post 2021/2022 compliance period
C1 (G00067, TP00111)		Complies	Complies – secure bore*
T2 (G00062, TP00105)		Complies	Complies – secure bore*
T3 (G00065, TP00102)		Complies	Complies – secure bore*
T5 (G00064, TP00103)		Complies	Complies – secure bore*
T6 (G01151, TP01961)		Complies	Complies – secure bore*
T7 (G01395, TP02308)		Complies	Complies – secure bore*

\*Secure bore status was granted on 1 April 2019. For the 2021-2022 compliance year, *E. coli* was absent from the bore water in accordance with Section 4.4.4 of DWSNZ 2005:2018.

### Distribution Zone(s)

Table 4: Summary of Napier Supply Compliance against Bacteriological and Protozoal Criteria

Distribution Zone Name and Hinekōrako Codes	Population size	Bacterial Compliance
NAP001NA	59055	Complies

## 2.1 Section 4, DWSNZ 2005:2018 - Bacterial Compliance

All compliance sampling was undertaken by Water Testing HB (IANZ accredited for Drinking Water). Samplers have been assessed against sampling and aseptic SOPs are part of an ongoing sampler assessment programme.

All sampling sites have designated sampling taps. Sampling points are representative of the supply, which includes bulk distribution points as well as network extremities.

Compliance samples over the assessed period were scheduled by the laboratory and reported through eQaul (WTHB LIMS system).

NCC has demonstrated oversight and has documented the response in place for transgressions and missed samples. It is noted that the drinking water compliance sample scheduling has been



implemented in Infrastructure Data (ID) where a direct link from the laboratory LIMS is established with ID. This allows better oversight for NCC on reported results, as the results are issued by WTHB.

### 2.1.1 Bacteriological compliance against DWSNZ section 4

The laboratory E.coli results (eQual query) were reviewed against the following criteria (Summarised in Appendix A)

- Number of samples collected per Quarter/year
- Days between samples
- Days of the week sampled per Quarter
- Number of *E.coli* Transgressions
- Follow-up actions when there was an *E.coli* transgression

The Napier supply complied against DWSNZ Section 4 criteria based on the above assessment.

### 2.1.2 Traceability of bacteriological results to laboratory reports

Results assessed were traceable to a unique laboratory identifier provided by WTHB. All *E.coli* and Total coliform testing was undertaken using the Colilert MPN method.

### 2.1.3 Actions followed where *E. coli* was detected

No *E. coli* transgressions within the Napier supply over the assessment period.

It is noted that low levels of total coliforms were detected on one occasion for A1 (1mpn/100ml) and C1 (1mpn/100ml) bores in March 2022 and additional samples were collected the next day as part of NCC's investigations.

## 2.2 Section 5, DWSNZ 2005:2018 - Protozoal Compliance

All of Napier City Council's bores have been granted secure bore status. Over the 2021/2022 compliance period, no *E. coli* was detected in the bores in accordance with Section 4.4.4 of DWSNZ 2005:2018.



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Drinking Water Compliance Assessment 2021/2022

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### 3.0 REPORT RELEASE

The audit findings and report were authorised for release on: 5 September 2022

A handwritten signature in black ink, appearing to read 'Vickey Diedericks', followed by a horizontal line.

Vickey Diedericks  
Lead Auditor  
(Exemplar Global Certificate Number: 204185)

## Appendix A: BACTERIOLOGICAL COMPLIANCE ASSESMENT FOR THE NAPIER SUPPLY

Table 5: Assessment of Bacteriological Compliance for the Napier Supply

				Micro (BM, FCWQO_MIC, MIC, RES)													
				# samples/Q criteria		# samples scheduled						DWSNZ criteria	Scheduled		DWSNZ criteria	Scheduled	
Supply	Classification	Type of sampling location	DWO code	# samples/Q	# samples/Y	Q1	Q2	Q3	Q4	Year	% of DWSNZ / Year	Days between	Days between	Days between (Pass/Fail DWSNZ)	D.O.W	D.O.W (min/Q)	D.O.W (Pass/Fail DWSNZ)
Napier	NA	Source	NAP001-SOU-SA10-A1 BORE SOURCE	3	12	20	16	14	13	63	525.0	45	8	Pass	NA	2	NA
Napier	NA	Source	NAP001-SOU-SA12-C1 BORE SOURCE	3	12	14	13	14	15	56	466.7	45	13	Pass	NA	2	NA
Napier	NA	Source	NAP001-SOU-SA22-T2 BORE SOURCE	3	12	7	6	7	6	26	216.7	45	14	Pass	NA	1	NA
Napier	NA	Source	NAP001-SOU-SA24-T3 BORE SOURCE	3	12	7	6	7	6	26	216.7	45	14	Pass	NA	1	NA
Napier	NA	Source	NAP001-SOU-SA25-T5 BORE SOURCE	3	12	13	13	13	13	52	433.3	45	8	Pass	NA	2	NA
Napier	NA	Source	NAP001-SOU-SA25-T6 BORE SOURCE	3	12	14	13	13	14	54	450.0	45	8	Pass	NA	2	NA
Napier	NA	Source	NAP001-SOU-SA25-T7 BORE SOURCE	3	12	13	13	13	13	52	433.3	45	8	Pass	NA	2	NA
Napier	NA	Network & Bulk distribution	NAP001-NET	46	184	122	129	119	121	491	267	3	1	Pass	7	7	Pass

## 2. CAPITAL PROGRAMME DELIVERY

<i>Type of Report:</i>	Information
<i>Legal Reference:</i>	N/A
<i>Document ID:</i>	1630056
<i>Reporting Officer/s &amp; Unit:</i>	Jamie Goodsir, Acting Director Programme Delivery

### 1.1 Purpose of Report

To provide Council with information on the FY22/23 Capital Programme and initiatives underway to improve Capital Programme Delivery.

#### Officer's Recommendation

The Sustainable Napier Committee:

- a. **Receive** the report titled "Capital Programme Delivery".

### 1.2 Background Summary

#### Situational update

Council had set its FY22/23 Capital Plan at \$99.4M but this was subsequently revised to \$66.6M late last year. This programme of work comprised some 300 individual projects.

Previously, Covid-19 related issues had impacted Napier's capital programme delivery, both in terms of project planning and construction. Completion dates for some phases of work on some projects pushed out.

Further revision of the capital programme post Tropical Cyclone Gabrielle is anticipated.

Council is however introducing a number of initiatives aimed at improving its capital programme delivery. Several of these initiatives are underway now, with further ones planned as detailed in this report below.

#### Future Reports

Prior Sustainable Napier Reports had looked to provide information Council wide on programme delivery, but with most parts of the business now undertaking projects in their own right, this report will focus on projects being undertaken in the Programme Delivery Team ([Attachment 1](#)) and Three Waters Team ([Attachment 2](#)).

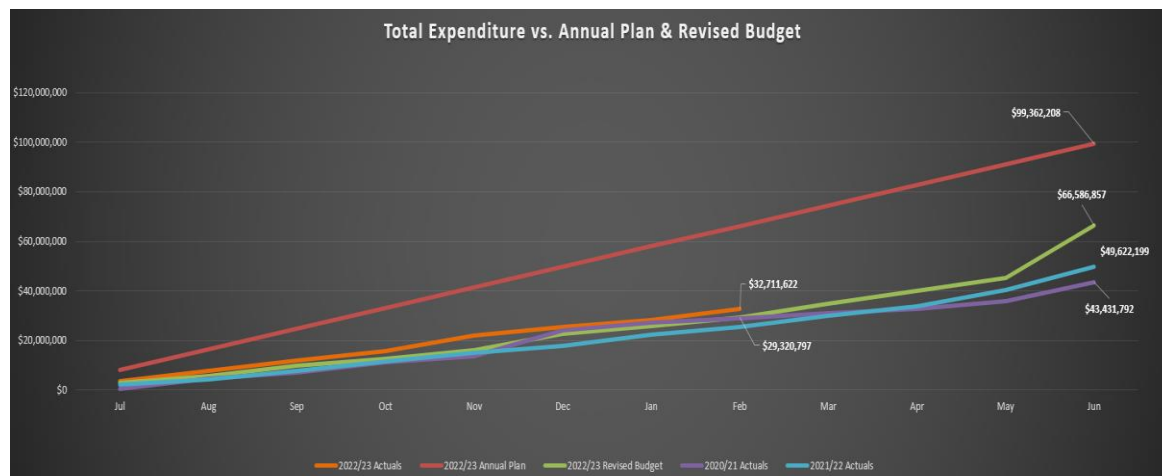
For a snapshot of Council wide performance however, a graph of the revised budgeted capital programme spend (\$66.6M), versus actual spend, has been included below.

## Capital Programme Summary

Currently, the Programme Delivery team have 27 projects in progress, to the value of some \$40M, some of which are spread over several financial years.

The Three Waters Team have 130 phases of work / projects in progress, to the value of some \$24M.

Capital programme spend to 28<sup>th</sup> February 2023 is \$32.7M, compared to the revised budget spend at the same time of \$29.3M (\$66.6M in total), so Council is currently \$3.4M ahead of budget.



At this spend profile, the anticipated yearly capital spend will be \$49.0M, compared to the revised current budget of \$66.6M.

Please note that the Programme Delivery / 3 Waters team reports are from the last internal reporting period, so will be out of date for this meeting in early April 2023.

In this respect, I have included recent photos / brief updates on three higher profile projects that are in progress, namely the Napier War Memorial project, the Civic Building demolition and the Ocean Spa upgrade. Please see PowerPoint.

## Projects going to Tender this reporting round (since August 2022)

The following projects are currently progressing through the tender phase:

- Pump Station Safety Upgrades
- Backflow Prevention Device – Testing and Repairs

## Tenders in Evaluation Stage this reporting round (since August 2022)

- Latham Street Rising Air Valves Renewals
- McLean Park Changing Room Upgrade
- Napier Aquatic Centre Remediation works

## Contracts awarded this reporting round (since August 2022)

The following projects (total value of \$7.6M) have successfully completed the procurement process in this reporting period:

- Rangatira Revetment
- Westshore Beach Reserve Playground Renewal
- Building Warrant of Fitness Services

- Transfer Station Cash Handling and Site Security
- Napier War Memorial Restoration Project
- Westshore to Ahuriri Connectivity Development

### **Projects nearing / at completion this reporting round (since August 2022)**

The following projects are nearing the completion of their construction phases:

- Ellison St - Marine Parade Safety Improvements (March 2023)
- Eriksen Rd Kenny Rd Intersection upgrade (March 2023)
- Taradale Library Air-conditioning Upgrade (March 2023)
- Napier Municipal Theatre Auditorium Ceiling Space Access (March 2023)
- 72 West Quay Stormwater Development (Jan 2023)
- Western Hills Cemetery Stage 2 (Dec 2022)
- Essex Street Reserve Playground (Nov 2022)

### **Processes Undergoing Review**

In order to improve programme delivery performance, a number of initiatives and reviews are in progress, or already implemented. The objective of these reviews is to ensure Council's programme delivery processes are best practice, fit for purpose and consistent across the business.

A selection of these work packages are summarised below:

#### Council's Project Management Framework (PMF) review

Council has completed a review of the following PMF stages to ensure best practice:

- Project Classification
- Project Lifecycle
- Roles and Responsibilities
- Project Governance
- Project Reporting

The review of this tranche of work was to be presented to Officers in February 2023, but Tropical Cyclone Gabrielle intervened. This review will be re-scheduled in the near future.

The outcome of this review will provide the basis for recommendations for further modifications to the Project Management Framework in Sytle. It will also underpin the development and delivery of training material for project related staff across Council.

#### Project Financial Reporting

Council Officers continue to reassess what level and detail of financial information is required to enable project teams to accurately track spend on projects. This review will be informed by other planned packages of work relating to the Project Management Framework.

#### Programme and Project Reporting

Council Officers continue to review the reporting capabilities of Sytle, Council's Project Management software, with the intention of ensuring Council's reporting requirements are optimised.

Officers have also taken on-board feedback from Elected Members to produce a traffic light reporting system, to easily demonstrate the progress of projects in terms of started / underway or no commitment yet. This is a work in progress.

#### Project Management Training

Introductory training on Project Management fundamentals has been completed.

Further training sessions will be required following the review of the PMF, as discussed above.

#### Delivery Capacity Constraint improvement initiatives

The Project Management Panel of consultants and the Three Waters Technical Panel of consultants are already in place and are significantly augmenting internal resource capacity.

Both panels have numerous projects already assigned, with further projects planned for allocation over the coming months.

There is an increased level of focus and collaboration occurring across the business to improve programme delivery.

### **1.3 Issues**

#### **Industry Capacity**

Many projects both Council and privately delivered had previously experienced delays relating to resourcing and materials constraints, associated with Covid-19.

The impacts of Tropical Cyclone Gabrielle on industry capacity for Capital Programme related work is yet to be determined.

Council continues to recruit across multiple teams and use consultants to increase the capacity of staff required to deliver the capital programme.

### **1.4 Implications**

#### **Financial**

The financial performance of individual projects does not form part of this report.

#### **Risk**

Significant project risks are reported to Council separately via the Audit and Risk Committee.

### **1.4 Options**

This report is for information purposes only.

### **1.5 Development of Preferred Option**

This report is for information purposes only.

### **2.6 Attachments**

- 1 Capital Projects Update Report [↓](#)
- 2 3Waters Projects Update [↓](#)

SYCLE PROJECT NUMBER	PROJECT NAME	ASSET DISCIPLINE	PROJECT UPDATE	COMPLETION DATE	FINANCIALS	SCHEDULE	REASON FOR RED OR AMBER STATUS	CURRENT PROGRAMMED BUDGET	COST TO DATE
100261	Marine Parade War Memorial	Business & Tourism	A design amendment was implemented which altered the shape of the lower pond, this was to accommodate a pohutukawa tree. Design reviews are underway for the plinth for the perpetual flame and the swing doors into the foyer frm the walkway. Foundations have been excavated and poured. Blockwork has commenced. Waterproofing works are underway. Wall penetrations into the existing building have been completed. Plumbing works in the existing building are underway. Materials orders and subcontractor engagement have been completed. Restoration/repair of the existing plaques has been completed. Fabrication of aluminium frames for the mounting of the plaques is 90%complete. A sample of plaque has been completed and spelling amendments will be carried out on it to measure the impact of altering the misspellings on the existing plaques. A further ten names form the existing plaques are also being more deeply researched by Cathy with a view to comparing the inclusion criteria. Regular PCG meetings are being held as are weekly site meetings and fortnightly meetings between Project owner, sponsor and PM. A comms strategy is in place and updates are being posted. Regular updates are being provided to ELT. Updates are being provided to the RSA. The mayor is to carry out a site visit to the plaque restorer on 26th Jan for the purposes of a project/media update. The budget will need to be increased.	Jun-23				\$ 2,000,000.00	\$ 335,836.20
100950	Dolbel to Otatara (Maggie's Way)	Parks Reserves and Sportsgrounds	Stage 1 – design to be completed for bridge by Contractor. Project 90% completed. Stage 2 – Procurement Plan to amend direct engagement to Dodge Con. The overall project has been delayed due to weather and scope increase.	May-23				\$ 300,000.00	\$ 213,842.18
100994	Anderson Park - Stage 2 Playground Development	Parks Reserves and Sportsgrounds	Project outsourced to Xyst	TBC					\$ 193.00
100452	Westshore Playground Redevelopment	Parks Reserves and Sportsgrounds	Construction to start late February 2023	Jun-23			Sponsor to confirm additional budget of \$50,000 is available from the original budget.	\$ 350,000.00	\$ 43,573.87
101017	McLean Park FIFA Changing Rooms Upgrade	Parks Reserves and Sportsgrounds	Currently out for tender	May-23					
100748	Puketitiri Road Safety Improvements	Transportation	The location and height of the two roundabouts has been agreed with the road designer and the Mission Hills developer. The biggest outstanding design risk is the stormwater solution for both the road and the Mission Hills residential development need to be compatible. At present they are not. NCC wishes to continue with the the road stormwater drainage through the Mission site and onto a natural water course, while the developer wishes to divert a large area of stormwater down Puketitiri Road and into the NCC stormwater system which discharges into the creek at Park Island. The lwi liasion has been completed. There were no issues identified. The geotech investigations are underway by William Grey at WSP. Mitchell Daysh have been engaged to complete the planning component of the Project. WSP are undertaking the stormwater design component of the Project. George Eivers has completed a draft Traffic Impact AssessmentJosh Orringe has completed the specimen design.ViaStrada are undertaking a Safety Audit. We still require:i) Noise and Vibration Reportii) Landscaping Assessment Our first choice suppliers have been too busy to undertake any new work. We have requested Offers of Service from other providers.	TBC				\$ 150,000.00	\$ 179,491.10
100534	Parklands Area 3 Stage 11	Parklands	Currently programmed for construction in June 2023	Dec-23			Budget yet to be confirmed.		\$ 24,659.00
100937	Douglas McLean Avenue new footpath	Transportation	To be tendered April 2023	TBC				\$ 1,017,593.50	\$ 93,877.39
100200	Rangatira (Whakarire Ave) Rock Revetment	Reserves	Contract let, Construction starting March 2023	Oct-23				\$ 4,728,000.00	\$ 385,721.72
100522	Ellison St to Marine Parade Walking & Cycling Improvements	Transportation	PC delayed until Mar 2023. Construction near completion. Some remedial works delayed by Cyclone Gabrielle. Additional budget available from roading / 3 Waters to cover cost over-run	Mar-23			Shortfall predicted. Some of the additional budget requested from 3Waters / Roothing will be required.	\$ 2,747,000.00	\$ 3,094,098.71
101039	Memorial Square Community Rooms Refurbishment		14/3/2023. Consultant / contractor appointments underway. Asbestos remediation planning underway. 2024 project completion anticipated, once mid 2023 funding is confirmed by ADT, prior to construction commencing.	Nov-24				\$ 1,545,000.00	\$ 24,352.08
100262	Eriksen / Kenny Rd Intersection Upgrade	Transportation	Construction largely complete on site. Practical Completion expected soon - waiting on RAMM/ asbuilts. Cow shed drain to be deepened during defects period. We have spent 96% of the current \$6.6 M contract value. We have spent 88% of the \$8.2M budget being tracked (\$9.5M budget is available). There is sufficient budget to complete this project.	Mar-23				\$ 8,191,100.00	\$ 6,481,139.42
100979	Spencer Road Retaining Wall	Transportation	Confirming with Design Consultants – EA delivery and Building Consent Lodgement dates Procurement plan under review Tender Documents Drafted ready for review	TBC				\$ 435,000.00	\$ 16,299.93

100980	Thompson Road Slip Remediation	Transportation	Designs have been completed and are underway with EA and Building Consent. Procurement under review. Tender Doc have been drafted and awaiting final ameneds once building consent has been obtained. Aimed at releasing the tender early next month (if building consent goes smoothly)	TBC				\$ 160,000.00	\$ 2,193.00
100982	Clyde Road Retaining Wall	Transportation	Design Consultant – WSP– Confirming delivery of drawings for EA Review & Building Consent Lodgement. Procurement Plan under review. Arch check completed. Tender Docs been drafted.	TBC				\$ 510,000.00	\$ 848.00
100983	Hadfield Terrace Retaining Wall	Transportation	Onsite Construction starting end of January 2023	Apr-24				\$ 260,000.00	\$ 18,559.90
101001	Hooker Avenue Slip Remediation	Transportation	Designs have been completed and are underway with EA and Building Consent. Procurement under review. Tender Doc have been drafted and awaiting final ameneds once building consent has been obtained. Aimed at releasing the tender early next month (if building consent goes smoothly)	TBC				\$ 215,000.00	\$ -
101002	Optimist Yacht Refurbishment	BAM	Completion March 2023	Mar-23				\$ 230,000.00	\$ 150,000.00
100399	Westshore to Ahuriri Walking & Cycling Connectivity	Transportation	Completion April 2023	Apr-23				\$ 650,000.00	\$ 237,158.31
100949	Ocean Spa - Changing Rooms Renewal	Sports & Recreation	Construction to begin February 2023	TBC				\$ 150,000.00	\$ 3,242.00
100460	Steps and Ramps 2020/21 (Onslow Steps)	Transportation	Design and ground condition challenges. Completion middle 2023	TBC				\$ 360,000.00	\$ 152,382.28
100959	Veronica Sunbay Remedial Project	BAM	* WSP re-set proposal received and CCCS Contract drafted pending WSP legal review and acceptance * GRC NZ Contract drafted, subject to WSP technical review re Scope of Works * Design workshop held in December with WSP and GRC to understand canopy and Sunbay interface design parameters. GRC design concept now underway. * Programme update subject to WSP updated design deliverable programme however 'start on site' date (should this proceed) likely May 2023. * NCC to confirm funding allocation for remediation project as per current scope and estimate (\$1.2m) prior to commencement of procurement activities.	TBC			Sponsor advised that current estimated total project cost is approx. \$1.2 million but this could change. Direction sought on whether funds are allocated prior to commencing to procurement. softening of market may indicate QS estimate is overstated. A pre-tender revised estimate may be beneficial to determine cost estimate vs. market conditions.		\$ 45,764.15
100435	NMT Auditorium Ceiling Space Access	Business & Tourism	Building consent and resource consents have been granted and documents issued. Contractor SSSP submitted and subsequently approved by NCC H&S team. Revised install timeframe agreed by project team from 22/02 - 20/03 (excluding 09/03 for stand-up comedian performance). Additional scope items identified in Fire Collective ANARP means of escape assessment (generally minor in nature). To be determined by project team whether additional scope items to be included in project scope. These items will need to be completed for code compliance certificate to be issued.	Mar-23			The project team have agreed to a revised install timeframe from 22/02 - 20/03. Only booking during this period is for a stand-up comedian on 09/03. Works will need to pause at this time and contractor will need to ensure materials are stored out of the way and space is left clean and tidy for the performance. Building consent and resource consent have now been approved. SSSP has been submitted by the contractor and subsequently reviewed and approved by the NCC H&S team.Contractor has confirmed Mainfreight	\$ 201,746.06	\$ 16,475.81
100989	Gloucester St / Springfield Rd Intersection Upgrade	Transportation	In design phase. Wiohiki bridge damaged.	TBC					
100437	Taradale Library Air Conditioning Upgrade	Libraries	Project nearing completion	Mar-23				\$ 540,000.00	\$ 229,045.91
101015	Riverside Park Development	Parks Reserves and Sportsgrounds	Dog Park - 100%. CompletedRoad Construction - Procurement completed, design has a minor amendment to be completed this week and sent for EA sign off week ending 27/01/2023, tender in drafting phase. Aimed to release tender at the end of Jan 2023.Playground Construction - Procurement yet to be completed, aimed at releasing playground and civil work tenders together.	TBC				\$ 537,000.00	\$ 204,204.38
101014	Park Island Central Hub Playground	Parks Reserves and Sportsgrounds	Project in design phase	TBC					
100878	WS_ New Taradale - Rising & Falling Trunk Mains	Water Supply	Project brief for design phase now approved & is ready to go to Design Consultant. Delay to start of design process due to length of time taken to develop design brief & NCC review/approval process (staff availability).	TBC				\$ 15,000,000.00	\$ 1,795.28



Project Name	Cycle Phase	% Effort Complete	Project Schedule Status	Comments
14 France Road_ upgrade 3 Waters services	Initiate	90%	On Track	Concept design completed, Geotechnical investigation underway
19 Marine Parade Stormwater Main Renewal	Plan and Execute	75%	On Track	Concept design completed, Geotechnical investigation underway
5 Delhi Place Wastewater Main Retaining	Initiate	37%	On Track	Detailed design underway.
Airport Sewer Pump Station Renewal	Plan and Execute	100%	On Track	Completed
Awatoto WWTP Upgrade - Additional Storage	Programme	53%	On Track	Tendering the construction of the 1 st pond Feb/Mar 2023
Cameron Tce Stormwater Improvements	Execute	88%	On Track	Depot completing stage 2 of physical works within the next couple months.
Cross Country Drain Storm Water Pump Station Maintenance	Initiate	55%	Off Track	Scoping with recommendations, site visit completed.
Dalton St SWPS - Switch Board and Control System (EOL)	Initiate	55%	Off Track	Scoping with recommendations, site visit completed.
Development of District Water Supply Monitoring Areas (DMA & Quality)	Initiate	6%	On Track	Depto undertaking last of the physical works.
Enfield Remedial Works	Initiate	50%	On Track	Structural report received for review, geotech monitoring underway
Ground water monitoring to inform I & I CAPEX	Initiate	2%	Off Track	Scoping of project underway - est: July 2022
Herrick St Culvert Upsizing	Programme	30%	Monitor	Concept design underway
Lagoon Farm Storm Water Diversion	Initiate	10%	On Track	Working with Joint Partnership
Latham St Pump Station - Electrical Panel Renewal	Initiate	55%	On Track	Scoping with recommendations, site visit completed.
Meeanee and Awatoto Watermain	Initiate	19%	On Track	Tendering early 2023
New Taradale - Rising & Falling Trunk Mains	Initiate	11%	On Track	Preliminary design underway, project manager appointed
Niven St - Wakefield St Stormwater	Programme	75%	Monitor	Design team looking undertaking design options
Pump Station - Pacific Surf Lifesaving Solution	Programme	45%	On Track	Options review booked March 2023
Pump Station - switchboard replacement (Latham, Greenmeadows)	Initiate	55%	On Track	Scoping with recommendations, site visit completed.
Pump Station - Taradale Inlet Diversion	Initiate	25%	On Track	Detailed design underway.
Sale Street - SWPS New Level Control upgrade	Initiate	50%	On Track	Scoping for generator
Standby Generators for Pumpstations/Reservoirs	Plan and Execute	77%	On Track	Generators on the water
SW_Ahuriri Masterplan - Scope projects for stormwater study and improvements	Plan and Execute	66%	Monitor	Stage 1 - June 22: Year Three of monitoring underway (month 8 as of June 22). Stage 2 - Engagement underway for data scientist to investigate relationships between seasonal fluctuations, weather events, suburban influence & water and sediment quality. Stage 3 - Memo to ELT drafted to inform of Waterway Enhancement Programme development (masterplan-esque guiding framework)
SW_Ecological Improvements to Waterways	Initiate	2%	On Track	Stantec undertaking analysis of balance between flooding capacity and planting waterway margins for ecological health on Saltwater Creek and upper Old Tutaeuri Riverbed. Ecological monitoring of whole city waterway network (27km) delayed from Jan 22 to Apr 22 due to Covid-19 Red setting.
SW_Georges Drive switchboard and Control System Renewal	Plan and Execute	51%	Monitor	Detailed design underway.
SW_Onehunga Stormwater Pump Station Upgrade - Screen Safety and Operations Improvement	Plan and Execute	63%	On Track	Update 2.05.2022 Platform structure is now at the galvanisers. Work on site should start by the end of the month
SW_Purimu SWPS - Switch Board and Miscellaneous Replacement	Initiate	55%	On Track	Detailed design underway.
SW_Stormwater Network Hydraulic Model – Model Peer Review	Execute	60%	Monitor	Draft Milestone 3 report received Report now reviewed by NCC and sent to Stantec to action review comments accordingly Will commence Milestone 4 after Milestone 3 is closed
SW_Thames / Tyne monitoring of waterways	Plan and Execute	25%	Off Track	April 2022: Seeking external PM for design, supply and installation, including automation of the Thames & Tyne spillgates. Five of six quotes for supply average ~\$35,000 per station. According to suppliers, international shipping and under-resourcing of product manufacturers can place significant delays on equipment (up to 8 months in some circumstances).
SW_Waghorne St SW Main Renewal	Plan and Execute	75%	On Track	Concept design completed, Geotechnical investigation underway

Project Name	Cycle Phase	% Effort Complete	Project Schedule Status	Comments
SW_Waterway Site Sampling	Initiate	8%	Monitor	Project unbudgeted for 2022/23 (unless \$90,000 carry-forward from 21/22). Thames-Tyne monitoring stations (sister project) in progress & to be used as a trial for this project's implementation 23/24.
Taradale Stormwater Diversion - Cross Country Drain Weir	Initiate	33%	Off Track	need to develop scope and concept plan
Thompson Reservoir 3 Roof Replace and Upgrade	Initiate	75%	Monitor	Concept design completed, on hold until late 2023
Wastewater Network Hydraulic Model - Model Peer Review	Transfer and Close	65%	On Track	Completed Milestones 2 and 3 report discussed with Stantec; Stantec provided responses on outstanding minor issues; GHD requested for Stantec to relate comments summarized in the spreadsheet back to the actual report; PM coordinating GHD request to Stantec GHD progressing with Milestone 4 report
Water Sampling & Testing Services - Drinking (Potable) Water	Initiate	3%	Off Track	Draft of new contract completed
WS_Air vents on Reservoirs	Plan and Execute	52%	On Track	Concept design completed
WS_Mataruahou (Napier Hill) - Rising and Falling Trunk Mains	Initiate	50%	Monitor	Scope of works completed. Concept design underway
WS_Mataruahou (Napier Hill) Reservoir	Plan and Execute	37%	On Track	Workshop held with internal stakeholders providing an overview of the concept design.
WS_Thompson Booster controls upgrades	Programme	42%	Monitor	
WS_Water booster pump station switch/controls upgrades	Programme	31%	On Track	Replacement of electrical and control switchboards - site investigation, design, physical works on selected water booster pump stations.
WS_Water Supply Network Hydraulic Model – Model Peer Review	Transfer and Close	83%	On Track	Completed Milestones 2 and 3 report reviewed by WSE; comments sent to WSP for consideration. WSP progressing with Milestone 4 report
WW Outfall - Consenting	Plan and Execute	57%	On Track	Kick Off Workshop and Internal Stakeholder Workshop completed. Technical investigation for concept designs ongoing. Council has advised on project approach regarding mana whenua partnership engagement following kick off workshop. WSIA Project Approach update submitted on 23/06. Review scheduled on Monday 4th of July.
WW_Network and Wastewater Treatment Plant - Master Plan Peer Review	Execute	50%	Off Track	Completed Milestones 2 and 3 report discussed with Stantec; Stantec provided responses on outstanding minor issues; GHD requested for Stantec to relate comments summarized in the spreadsheet back to the actual report; PM coordinating GHD request to Stantec GHD progressing with Milestone 4 report
WW_106 Latham Street Waste Water Repair	Initiate	23%	On Track	Repaired completed
WW_33 Main Street Wastewater Repair (after 2020 flood)	Initiate	43%	On Track	Executive of Infrastructure Director and team working with NCC lawyer and land owner
WW_Guppy Road Sewer Pumping Main Installation	Initiate	27%	Off Track	3Waters undertaking CCTV for Guppy road and droptesting (Drop testing completed 10 June) CCTV delayed due to TMP at Greenmeadows - schedule end of June 2022 Modeling will commence once CCTV and droptesting have been completed
WW_Munroe Street WWPS Discharge Redirection	Execute	76%	On Track	Odour control installation planned June 2022, delayed due to purchasing and depot scheduling July 2022
WW_Pandora Industrial Tradewaste Treatment	Initiate	16%	On Track	Cleaning of pipeline is 70% complete
WW_Pump Station - Greenmeadows discharge valve automation and flow meter	Plan and Execute	69%	Off Track	May 2022 - Feedback given to final Design (looking at reviewing feedback to the design, this will result in sending back through EA)
WW_Pump Station - Stafford street convert to two pump station	Plan and Execute	62%	On Track	Quote requested for the upgrade of the electrical panel and VSDs.
WW_Rising Main - Pandora Industrial Main Renewal	Plan and Execute	40%	On Track	Physical works underway. No major risks. Project to be complete by the end of July 2023
WW_Rising Main - Thackeray PS	Initiate	33%	Off Track	Project re-budgeted in the LTP to year 7
WW_TradeWaste - Discharge Flowmeters	Plan and Execute	55%	On Track	Construction begins late June 2022, estimated completion October 2022
WW_Wastewater Network Hydraulic Model	Initiate	94%	On Track	
Water Supply Fluoridation	Initiate	50%	On Track	NCC engineers currently looking at cost est. to add fluoridation into the network
Project Name	Cycle Phase	% Effort Complete	Project Schedule Status	Comments
Plan & Execute	Gateway3: Approval indicates that the Project Manager accepts responsibility for project execution.			
Transfer & Close	Gateway4: Plan & Execute tasks have been completed (inc. Defects period) and project ready for final closeout.			
Monitor & Control	Gateway 5: Transfer & Close tasks have been completed and the project can be closed.			

### 3. WASTE WATER TREATMENT PLANT RECOMMISSIONING UPDATE

Type of Report:	Operational
Legal Reference:	N/A
Document ID:	1643933
Reporting Officer/s & Unit:	Philip Kelsen, Acting Manager Water Strategy

#### 3.1 Purpose of Report

Provide a brief update on progress of the Waste Water Treatment Plant Recommissioning project.

#### Officer's Recommendation

The Sustainable Napier Committee:

- a. Receive the Report Waste Water Treatment Plant Recommissioning Update.

#### 3.2 Background Summary

The Waste Water Treatment Plant was inundated by floodwaters from the Tutaekuri river stop bank breach at Awatoto during Cyclone Gabrielle on the morning of 14 February 2023.

#### 3.3 Issues

- The area was under water for close to a week. The Treatment Plant buildings were inundated by approximately 1.5m of water causing extensive electrical damage and the need for multiple mechanical repairs.
- The silt deposited by the floodwaters and contamination created an immensely challenging clean up task.
- During the plant outage, we are fully reliant on gravity to discharge via the Milliscreen Bypass Valve.
- As there is no screening during this mode of operation, we are at risk of blocking the diffusers by solids such as non-flushable items and debris – diver inspections have confirmed this.
- Due to extensive damage to electrical and control equipment of the Biological Trickling Filters (BTF) and Industrial Screening process, the plant required to be reconfigured to provide minimal treatment (1mm screening) and pumping capability.

#### Recovery Plan Outline

1. **Phase-1 Cleaning.** Clearing roadways for entry and clearing of the Milliscreen building to allow safe access for electrical and mechanical works.
2. **Phase-1 Repairs and reconfiguration.**
  - a. Removal of flood damaged equipment for repairs.

- b. Set-up of temporary pumps and air compressors to allow operation of the Milliscreens.
  - c. Re-installation of repaired/reconditioned equipment.
  - d. Testing of electrical cables and equipment.
  - e. Connection of temporary generator to power Milliscreens and pumping operations.
  - f. Design and implementation of control software.
  - g. Commissioning of reconfigured Milliscreen operation.
- 3. Phase-2 Cleaning.** Cleaning of the industrial building and BTF pump station. – This occurred concurrently to the Milliscreen building - as soon as cleaning resources had finished with that task. This also includes clearing site to allow access to the remaining areas required for further operation.
- 4. Phase-2 Repairs and reconfiguration.**
- Further assessment of the process equipment to decide -
- a. What can be set-up to run in a temporary manner to get BTF operation running to improve treatment and outfall quality?
  - b. What equipment may be serviceable following cleaning, dry-out and servicing?
  - c. What equipment needs to be replaced completely?
  - d. Consideration of resilience for placement of repaired and replaced equipment.
  - e. Consideration of consent conditions.
- 5. Phase-3 – complete reinstatement of the Milliscreens and BTFs to pre-Cyclone level.**
- a. Dependant on the findings from phase 2
  - b. Reconfigurations of switchboards, generators etc.?

### 3.4 Significance and Engagement

This is a significant event. A working group is being set up to ensure that information about the project is distributed pro-actively to the key stakeholders and that they are involved or aware of key decisions and timeframes. Key stakeholders include HBRC and Iwi representatives.

### 3.5 Implications

#### Financial

There will be a significant insurance claim, at this stage, we lack detail regarding the amount due to the complexity of the damage and the amount of work it will take to gather all the information required.

#### Social & Policy

The discharge of untreated wastewater has environmental and cultural implications. The public, HBRC and Iwi groups have been informed of the ongoing issues and the working group is to improve that engagement going forward.

### **Risk**

Untreated and unscreened wastewater has been entering the outfall. Due to low velocities, it is possible that solids have also settled in the outfall pipeline.

### **3.6 Options**

The options available to Council are as follows:

- a. To receive the Waste Water Treatment Plant Recommissioning Report.

### **3.7 Development of Preferred Option**

N/A

### **3.8 Attachments**

Nil