



EXTRAORDINARY MEETING OF COUNCIL

Open Minutes

Meeting Date: Thursday 7 May 2020

Time: 10.06am – 11.26am

Venue Via Zoom and livestreamed on Council's Facebook page

Present Mayor Wise, Deputy Mayor Brosnan, Councillors Boag, Browne, Chrystal, Crown, Mawson, McGrath, Price, Simpson, Tapine, Taylor, Wright

In Attendance Interim Chief Executive, Director Corporate Services, Director Community Services, Director City Services, Director City Strategy, Manager Communications and Marketing
Manager Asset Strategy
Manager Regulatory Solutions
Policy Planner
Team Leader 3 Waters
3 Waters Programme Manager
Manager business Transformation and Excellence

Administration Governance Team

Apologies

Nil

Conflicts of interest

Nil

Public forum

Nil

Announcements by the Mayor

Welcome was extended to the recently appointed Interim Chief Executive, Keith Marshall.

Neil Taylor, who has been Acting Chief Executive, was thanked for his excellent service over the last eight weeks during the challenging demands of the COVID-19 national response.

Minor matters raised

Nil

Announcements by the management

Nil

AGENDA ITEMS

1. WATER MASTER PLANNING

<i>Type of Report:</i>	Operational and Procedural
<i>Legal Reference:</i>	Health (Drinking Water) Amendment Act 2007
<i>Document ID:</i>	912288
<i>Reporting Officer/s & Unit:</i>	Russell Bond, 3 Waters Programme Manager

1.1 Purpose of Report

To introduce the Water Master Plan to Council and to identify critical projects that are needing to be programmed and delivered in the 2020/21 Annual Plan.

At the meeting

The Manager Asset Strategy spoke to the report noting that the Water Masterplan takes a 30 year view, and is intended to allow for growth while continuing to provide a safe network for the community. A presentation was provided during this item, which can be seen at

Appendix One.

In response to questions from councillors it was clarified that:

- The Tamatea pilot can progress separate from any work on the bores. The time frame for the pilot is expected to be approximately four to six months once the modelling has been received.
- Addressing dirty water is a top priority for the team. The work leading to new bore fields will be able to be started again slowly as the COVID-19 alert levels drop; the test bores will be re-initiated, and as the tender information is already prepared it is anticipated that the bore field work will be well progressed by late next year.
- A lot of data is held on the bores in the vicinity of A1, and while there is still a small risk that manganese is higher than anticipated in certain areas, confidence is high that the data will allow the manganese levels to be predicted with relative certainty.
- Council is moving towards what is a logical way to manage the network whether the system is chlorine-free or not. The updates are also intended to address matters such as pressure and flow. Some adjustments in the smaller branched network may be required should a chlorine-free system proceed but the larger infrastructure would be the same.
- The work to date has been focussed on the network rather than on source water; when the multi-focus review was undertaken a variety of experts were included.
- Water use will be tracked across large zones, not from a per household metering perspective.
- The cost of the pipeline is estimated about \$5.5M; most of the cost is related to the work (i.e. trenching etc.) rather than the materials, so preference is to future proof with larger pipe size.
- Consideration has been given as to whether the changes to consenting in response to COVID-19 will have any implications for this work, but it is believed that the short

time frame to produce the supporting documentation would not fit with Council's time frames.

- As the country moves into recovery from the COVID-19 response, Council will be packaging different pieces of work together to ensure the best value for money is gained for all projects. How the works are combined and what is included in each 'package' will impact on whether quotes are sought from the Depot.
- The treatment station does need to be in place before any new bore could be used. This work will also trigger the requirement to implement the new Water Safety plan requirements.
- About a six week delay has been experienced in the chlorine-free review from the COVID-19 response; the team will be working hard to bring this time frame as close to the original as possible again.
- In the content of potable water, "discharging" into an area means to supply water into an area.
- There will be much greater emphasis on managing water demand under the recently notified TANK plan. There are very high water users in Napier and this will need to be reduced, through conservation efforts and active leak management.
- By "zoning off" the Tamatea area Council will be able to better address the dirty water issues as the number of bores supplying water will be reduced and greater overall control of the supply conditions will be possible (for example pressure and flow issues). A number of options will also be explored to reduce existing manganese load.
- The District Metered Areas will have meters to provide data on incoming and outgoing flows; Council's SCADA system will also be upgraded. This is within existing budgets.
- The potential impacts of the central government three waters review are as yet unknown, but it is highly likely to result in a new regulator and much greater expectations being placed on water managers. Indications to date suggest that chlorine may become mandatory. The Masterplan is moving Napier into a space where it better placed to meet the higher monitoring, reporting and conservation requirements that are anticipated as likely from the review.
- There are always some low risks of contamination in any water supply. Where risks are identified for Napier, these are actively reviewed and action taken as it can be, for example one bore head has been closed as it was identified as being quite close to a wastewater main.
- Council will be kept up to date as the works are further progressed and ensuing decisions are required.

**Council
resolution**

Mayor Wise / Councillor Simpson

That Council:

- a. Receive the report.
- b. Approve the approach to developing Borefield #1 in advance of the Global Resource Consent application, with the aim to provide low manganese source water as soon as practical.
- c. Accept that this approach has potential financial risks with the installation of the larger pipeline that connects the proposed bore to the existing network.

Carried

2. REVIEW OF NAPIER CITY MOBILE SIGN BYLAW

<i>Type of Report:</i>	Operational and Procedural
<i>Legal Reference:</i>	Local Government Act 2002
<i>Document ID:</i>	918631
<i>Reporting Officer/s & Unit:</i>	Yvonne Legarth, Policy Planner Rachael Horton, Manager Regulatory Solutions

2.1 Purpose of Report

To seek Council approval of the unamended Mobile Sign Bylaw and to commence consultation pursuant to the Local Government Act sections 82 and 82A, and legal advice.

At the meeting

The Policy Planner spoke to the report, noting that the intention of the bylaw is to manage public safety and amenity issues relating to the mobile signs. A review has been undertaken and it is recommended that no changes be made to the 2013 Bylaw. Bylaw may be integrated with others in the future in a more 'omnibus' Bylaw regarding urban environment.

In response to questions from councillors it was clarified that:

- The Bylaw relates to signage on trailers.
 - There have been no complaints under this Bylaw in the last two years and nothing on file prior to that.
 - An urban environment Bylaw is posited with the intention of increasing consistency across Bylaws that manage the urban environment. They will be able to interact better with the District Plan in this way also.
 - This Bylaw will speak to some expectations on certain types of election signage but the primary source of rules for election signage is the District Plan.
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**Council
resolution**

Dep. Mayor Brosnan / Councillor Crown

That Council:

- a. Confirm, in accordance with Section 155 of the Local Government Act 2002, that a Mobile Sign Bylaw is the most appropriate way of addressing the problems that mobile signs can have on:
 - i. public and traffic safety
 - ii. maintenance of aesthetic standards
 - iii. control of offensive material on mobile signs
- b. Confirm that the Mobile Sign Bylaw is currently the most appropriate form of bylaw.
- c. Agree that the Mobile Sign Bylaw is not inconsistent with, or have any implications under the New Zealand Bill of Rights Act 1990.
- d. Adopt the reviewed and unamended Napier City Council Mobile Sign Bylaw for consultation.
- e. Confirm that a further review of the Mobile Sign Bylaw 2013 will be undertaken as part of the process to include the Mobile Sign Bylaw in the yet to be prepared consolidated Napier City Council Urban Environment Bylaw.
- f. Authorise Officers to consult in accordance with the principles in LGA ss 82 and 82A in a manner that is consistent with legal advice.

Carried

The meeting closed at 11.26am

Approved and adopted as a true and accurate record of the meeting.

Chairperson

Date of approval

Appendix One

Water Supply Master Plan

1. Overview
2. Master Plan Projects
3. Master Plan Priorities
4. Impacts of Chlorine Free Review
5. Annual Plan Projects



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WS Master Plan- Overview



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WS Master Plan – Strategic Objectives

- Network model complete
- Strategic 30 Year plan
- Received November 2019

Strategy Drivers:

- **Safe** water is distributed to customers
- **Clean** water is distributed to customers
- Water is distributed with sufficient **pressure**
- The network is **resilient** to shocks and stresses



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WS Master Plan – Current State

- Variety of bores across the network with varying water quality/chemistry
- Bore locations compromised (WW network, fault line)
- Bores pump directly to consumer rather than from water storage (impacts disinfection, pressure, safety, resilience etc)
- Insufficient storage for future growth
- Limited operational control (one large network)
- Water take consent will require demand management



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WS Master Plan – Current State

- Temporary chlorination (Not flexible to real time conditions, no feedback control)
- Changing Regulator and expectations
- Dirty Water issues due to water chemistry, hydraulic changes and disinfection and biofilm buildup
- Some older assets requiring replacement e.g. Enfield Reservoir



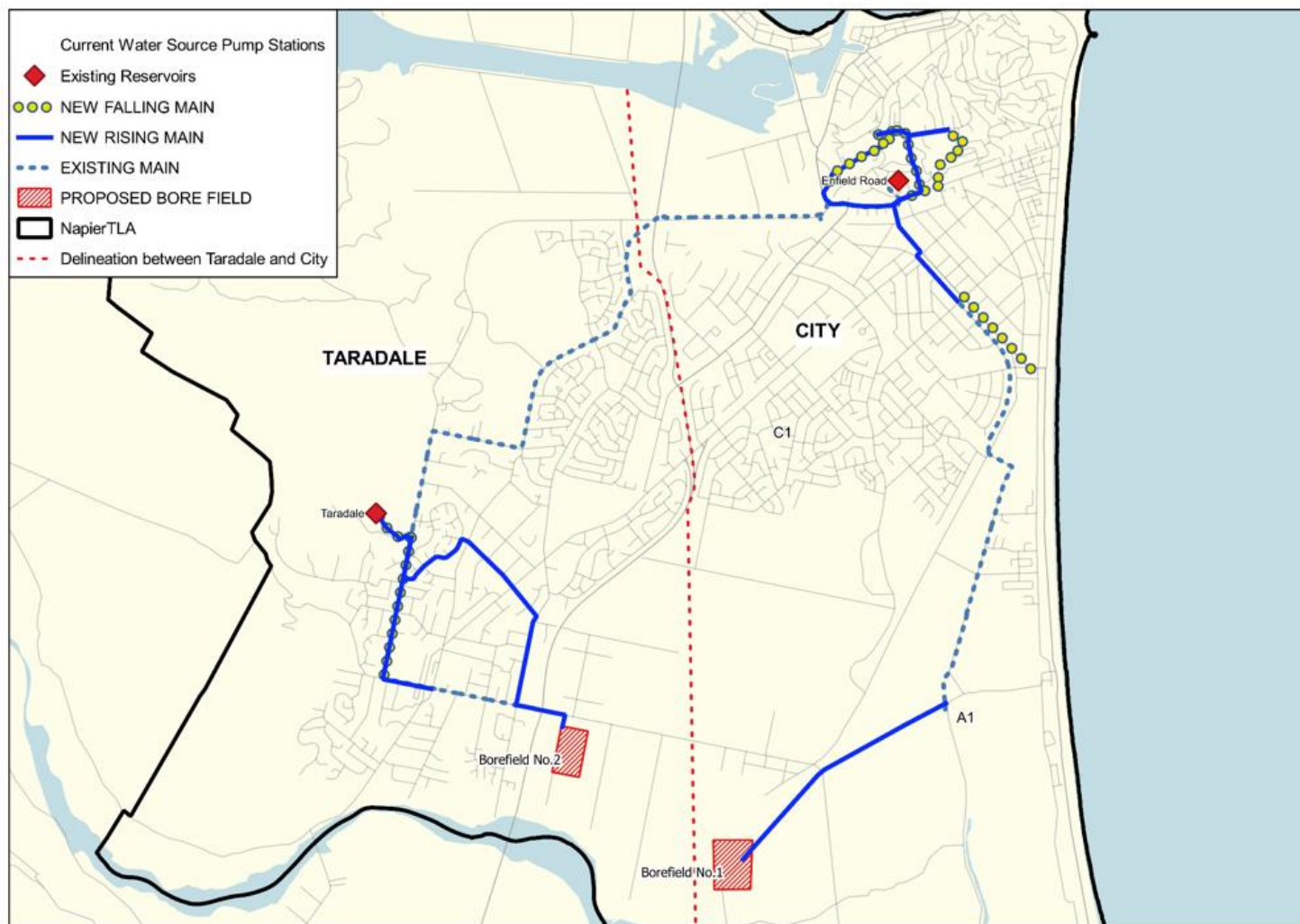
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WS Master Plan – The Strategy

- Move to a resilient network with 2 centralized borefields with dedicated treatment.
- Locate bores where there is good water quality, treatment is affordable and they are away from urban areas (potential contamination risks)
- Borefields will pump directly to reservoirs
- Customers are supplied from reservoirs
- Divide up the network into manageable zones
- Manage water clarity events



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Master Plan Projects



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WS Master Plan – The Projects

- Cost estimate - \$41.5 Original Masterplan
- Council review of the Masterplan from November 2019 to February 2020 and new information that has been received has resulted in a change in the projects and costs estimates.
- Updated estimates for the 30 year strategy – \$62m
- This assessment is pre Covid-19 there are uncertainties around costs and capacity to deliver.





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Master Plan Priorities



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WS Master Plan – Main Priorities

- Low manganese water supply the system as soon as possible
- Managing water quality and dirty water events
- Choosing appropriate borefield sites and get information for the new consent
- Obtaining an updated global water take consent
- What we found:
- The Water take consent will be notified due to  and therefore would hold up the whole programme 

WS Master Plan – Low Manganese Water

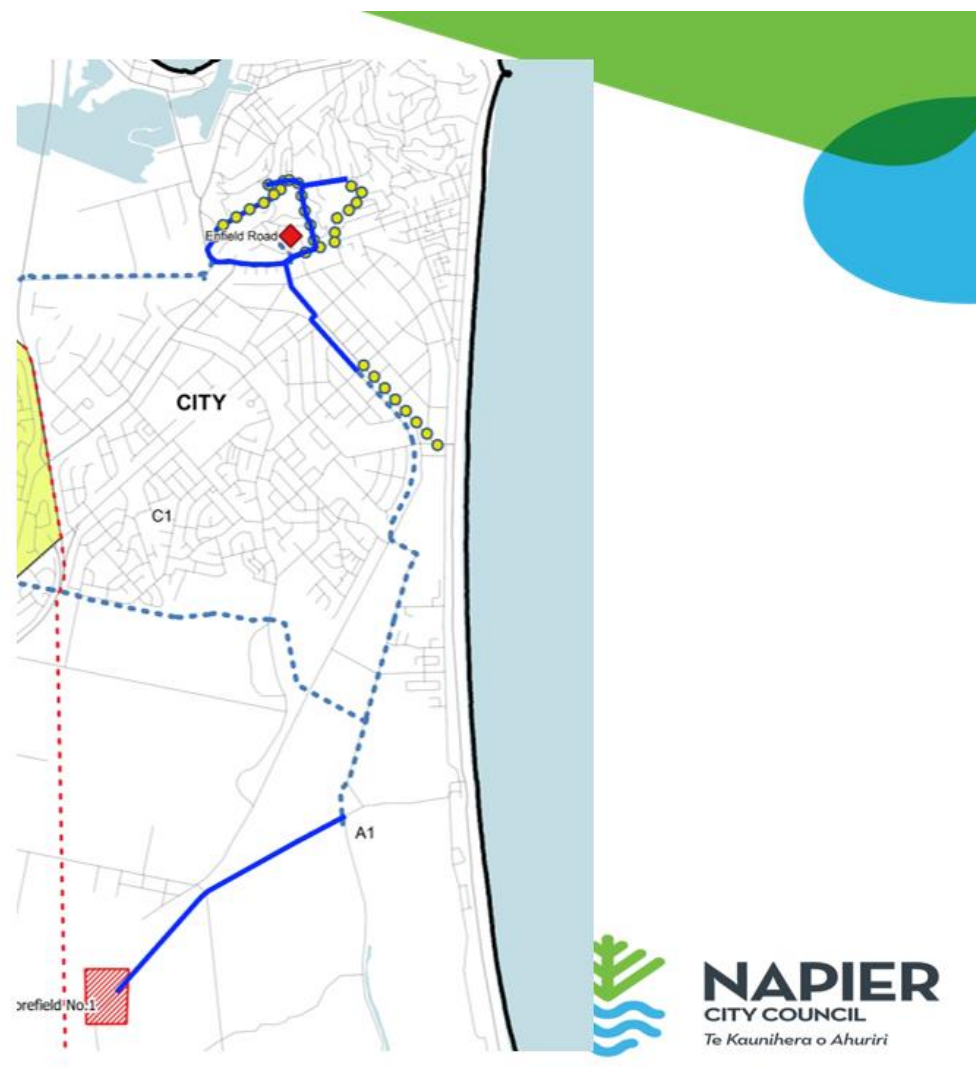
Low manganese water as soon as possible:

1. Manganese Treatment for A1 bore, or
2. Part Borefield #1 (2 bores, pipeline to network, low Mn)

Part Borefield

Low manganese water as soon as possible:

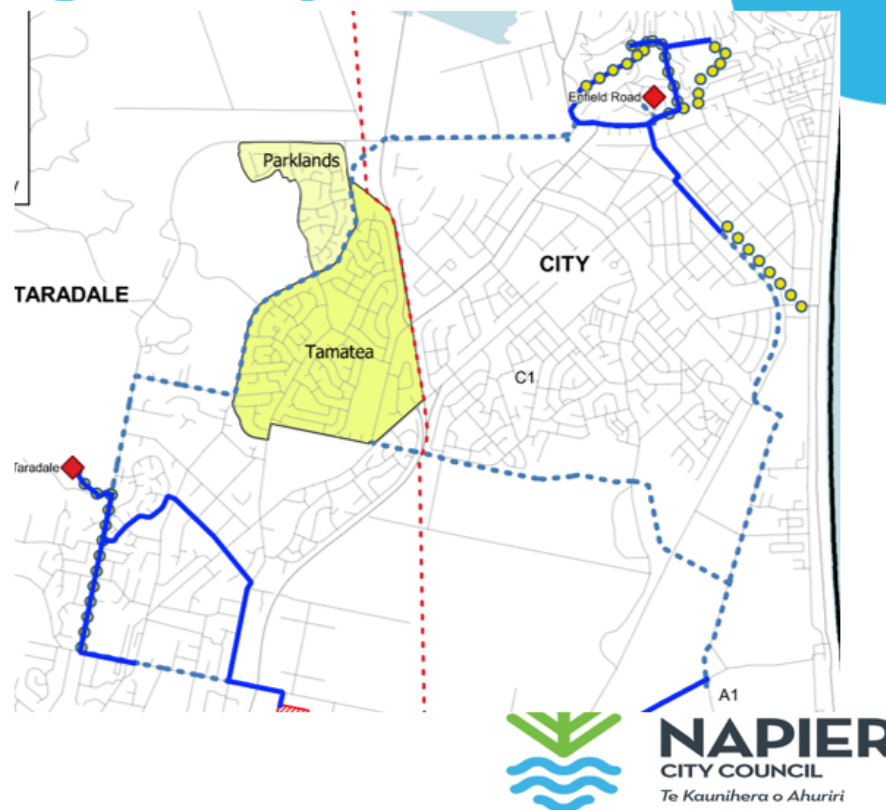
1. Remove A1, C1
2. Move borefield location to good water quality area
3. Start new borefield with 2 bores + treatment
4. Pipeline from borefield to existing network
5. Risk cost \$1-1.5m (pipe sizes)
6. Variation to existing consent



WS Master Plan – Manage Dirty Water

Tamatea Pilot DMA

- low Manganese water to the zone.
- Test whether separating the area will deal with flow issues
- Project underway
- Upgrades required to make the zone work
- Baseline data collection before works
- Community Consultation prior to isolating zone.
- Trial cleaning and other options for reducing biofilm and manganese
- Estimated cost - \$300k



Impacts of Chlorine Free Review



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Chlorine Free Review – Impacts on Master Plan

Update:

- In phase 2 – tender review and presentations
- 4 potential consultants
- Completion Date – October 2020
- Community Consultation via LTP

Likely impacts on masterplan:

- Water source treatment methods
- Overall strategy should cover both chlorine and chlorine free options
- Operational impacts

Annual Plan Projects



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Water Supply

	20/21 Annual Plan (to be agreed) (\$,000)
Awatoto Industrial & Phillips Road Bore	800
Awatoto Trunk main extension	
Borefield No.1 Rising Main	5,000
Borefield No.2 Land Purchase	1,500
District Modelling Projects	808
FW2 Fireflow Network Upgrades	100
Hospital Hill Falling Trunk Main	250
Network access points	100
New bores in Awatoto	1,500
New Taradale Bore Field	500
New Water Treatment Plant	2,000
Replacement of Enfield reservoir	1,500
Taradale Falling Trunk Main	150
Water Control System minor works	5
Water Meter Renewals	5
Water Pipes Renewals	265
Marewa Kennedy Road Trunkmain Crossing	280
SCADA Upgrade	250
Borefield #2 Rising Main	150
Total Water Supply	15,163



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