

Hamilton City Council – Elected Member Briefing Topics – 13 April 2017

Start Time Approx	Topic	HCC Contact / Presenter(s)	Status	Time Req'd (mins)
8.30am	Waters Study (with Peter Winder)	Blair Bowcott / Externals Attending	Open	180
11.30am	External Funding Priorities	Helen Paki	Open	45
12.15am	LUNCH			60
1.15pm	Central City Safety Plan & Peoples Project	Debbie Lacelles /Kelvin Powel & People Project	Open	45
2.00pm	Libraries Facilities Plan	Jo Van Walraven, Rebecca Whitehead, Lance Vervoort	Open	40
2.40pm	Clean Water	Paul Ryan/Luke O'Dwyer	Open	20
3.30pm	Housing Accord - Special Housing Area Policy	Luke O'Dwyer/Kelvyn Eglinton	Closed	60
4.00pm	MEETING ENDS			

Water, Wastewater, Stormwater Sub Regional Collaboration

↘ Elected Member Briefing

13 April 2017



Agenda

To inform Elected Members of the progress of the HCC Waters Governance Group on its analysis of options arising from the December 2016 resolution seeking more information.

8:30 – 8:40	Introduction	Blair Bowcott
8:40 – 9:45	Wellington Waters	Colin Crampton
9:45 – 11:00	Introducing new option “Shared Waters Management Company”	Peter Winder
11:00 – 11:30	Where are we going?	Peter Winder



13 April 2017



Where have we come from?

Council Decisions

July 2015

HCC and Waikato DC agreed, in principle, to form a CCO, subject to full public consultation.

Late 2015

Three Councils agreed to form a 9-person Governance Group to establish essential elements of how a CCO would function, if formed. Report back by 30 June 2016.

March 2016

Waipa DC agreed, in principle, to form a CCO, subject to consultation.

July 2016

Three councils agree Draft Record of Agreement.

Post Election
2016

Waikato, Waipa and Hamilton reconsider Record of Agreement.

13 April 2017



4 May Council Meeting



What is Hamilton's Preference?



13 April 2017



Potential Timeline ... Shared Waters Management Company

Brief Councillors

Governance
Decision?

(13 April 2017)



Discussions with
Waipa and Waikato
(May - July 2017)

Implement
**(Jan – June
2018)**

(4 May 2017)

Consider
preferred
option

**(Sept – Dec
2017)**

Potential
Consultation
and resolution
to create CCO

(July 2018)

Shared Waters
Management
Company operating



13 April 2017





13 April 2017





How Wellington Water works with 5 shareholding councils



Our water, our future.

How we work with our councils



Wellington Water is a Council Controlled Organisation owned by the GWRC, M HCC, UHCC, WCC and PCC.

Our owner councils:

- Own their own assets and all expenditure is accounted back to individual assets
- Set worker rates, 10 year financial forecasts and annual budgets
- Set levels of service for water assets

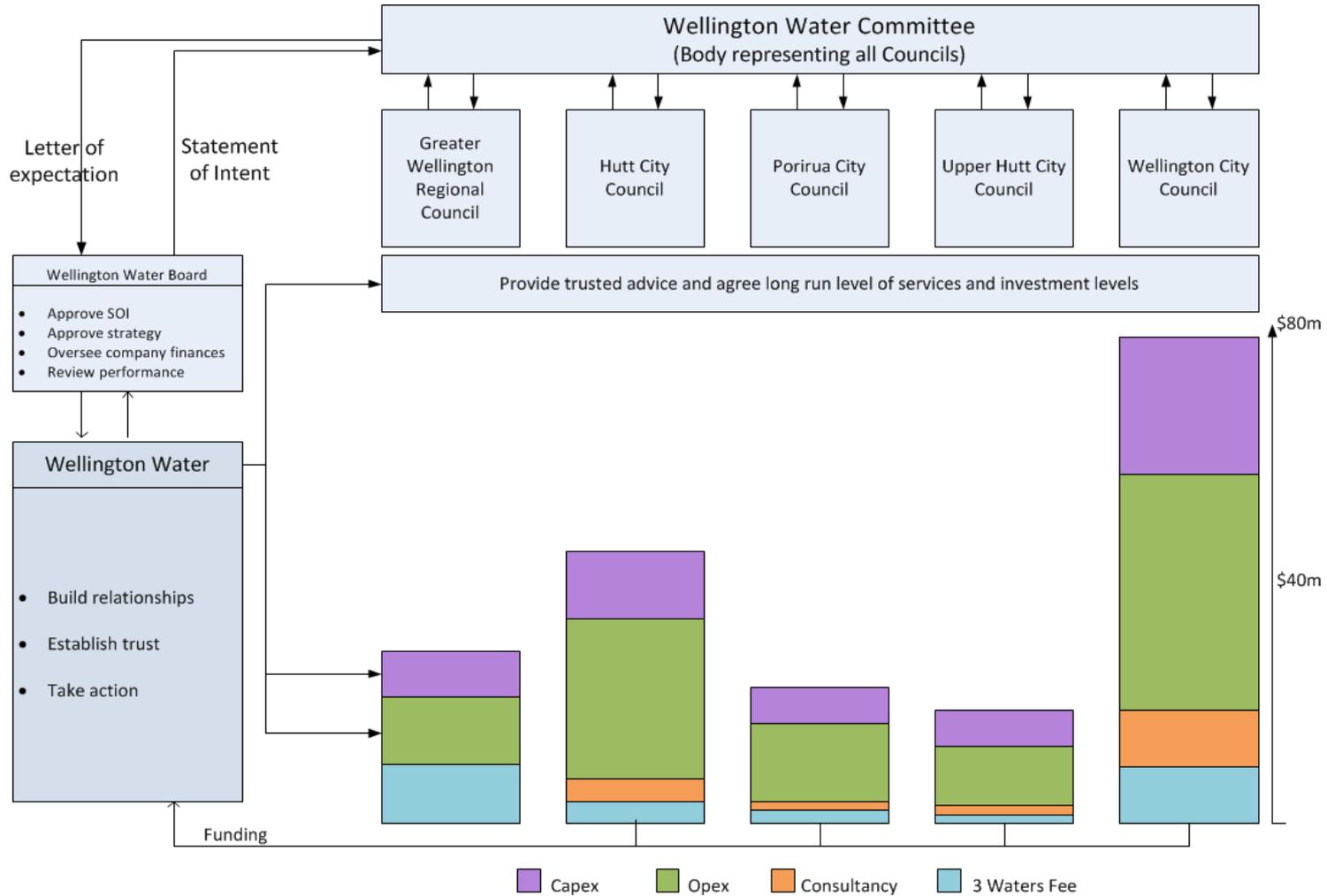
Wellington Water:

- Acts regionally on behalf of all councils to promote long-term service goal performance
- Compiles 10 Year Service Plans and 30 year infrastructure plans for individual councils
- Operates, maintains and improves the networks
- Works with councils to deliver an excellent customer experience

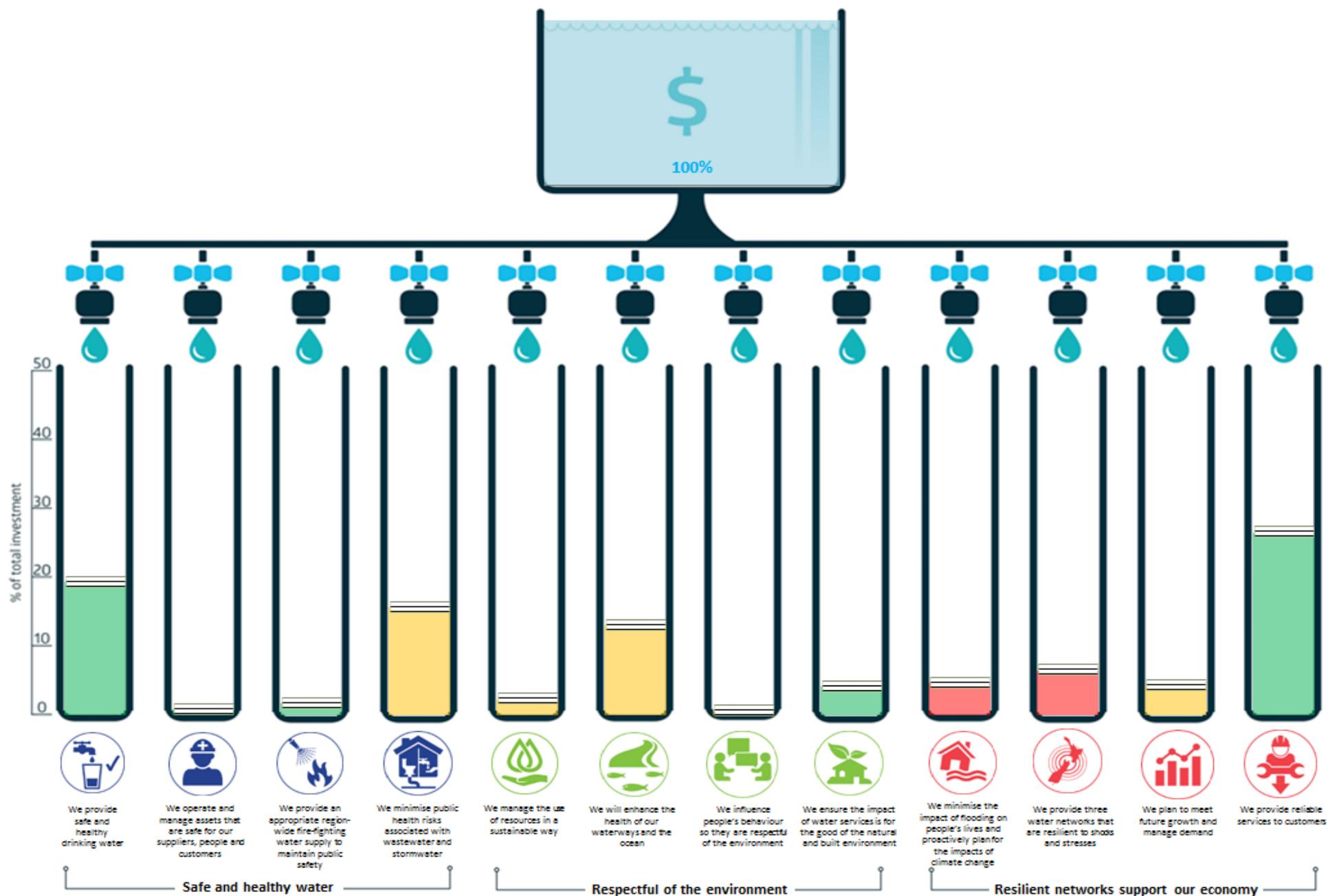


Our water, our future.

How we work - trusted advisor model



Regional investment and performance of Service Goals



HCC Wellington Waters Visit



End of Session One

Thank you!



13 April 2017



 **Hamilton City Council**
Te kaunihera o Āwhīkīroa



New Option

Shared Waters Management Company

- Does not own water assets
- Not for profit
- Center of Excellence for Water, Waste Water and Stormwater
- Providing the following services:
 - Asset Management
 - Project Management
 - Network Maintenance
 - Network Operation
 - Customer Service

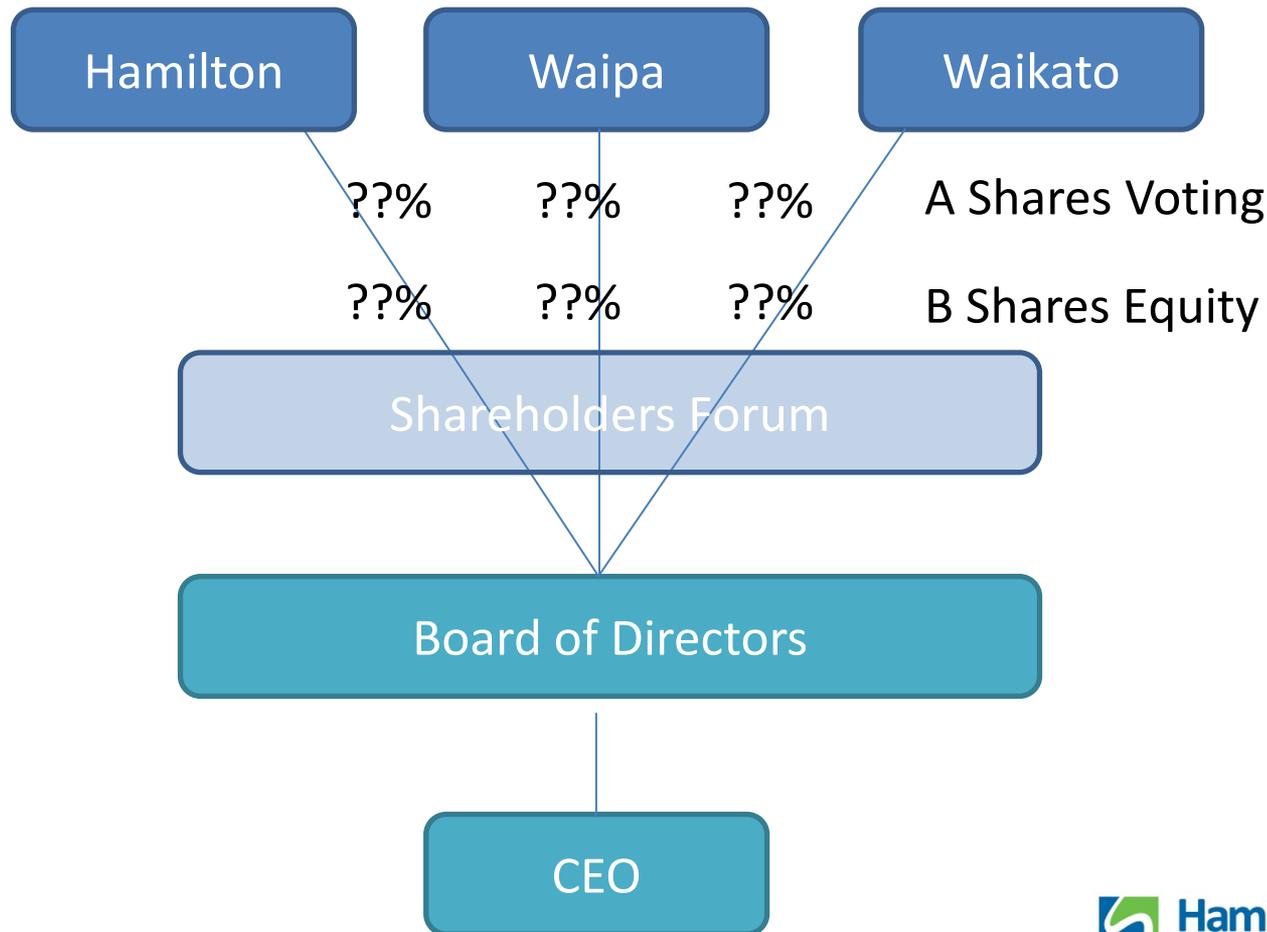


13 April 2017



Shared Waters Management Company

How it works - Governance



13 April 2017



Shared Waters Management Company

How it works - Operationally



Shared Waters Management Company

How it works - Council

HAMILTON'S 10-YEAR PLAN

2015-2025 LONG-TERM INFRASTRUCTURE STRATEGY

2015-2045



13 April 2017

RATES INVOICE / ASSESSMENT

Private Bag 3616, Hamilton 3240, New Zealand
Ph: 07 838 6688 Fax: 07 838 6693
rates@hcc.govt.nz hamilton.govt.nz



To kaunhira o Kirikiriroa
TAX INVOICE | CREDIT / DEBIT NOTE
Issue date: 25 January 2017
GST 13-176-513

Rates number:
Rating year: 01/07/2016 - 30/06/2017
Total rates: \$1,953.26
Instalment: 3 (01/01/17 - 31/03/17)
Property location:
Valuation number:
Land value: \$205,000
Capital value: \$370,000
Land area: 0.0632 Hectares
Legal description: Lot 210 DP S14507

AMOUNT DUE BY 9 March 2017 \$388.37

This account is being paid by direct debit - no manual payment required.

INSTALLMENT DUE DATES	1	2	3	4
	8 September 2016	1 December 2016	9 March 2017	1 June 2017

Would you like your rates invoices emailed to you?
If you haven't already made the switch, visit hamilton.govt.nz/emailrates to find out how.
If you have any further queries about your rates, email us at rates@hcc.govt.nz

ACCOUNT SUMMARY

Balance on 1 July 2016	\$43.83cr
Previous instalment(s)	\$976.60
Rates penalties	\$0.00
Remission of rates	\$0.00
Payments received before 25 January 2017	\$1,032.75cr
This instalment	\$488.33
Amount due by 9 March 2017	\$388.37
Amount required to settle rates in full	\$876.70
GST content of this rates instalment	\$63.70

Any instalment amount not paid by the due date will incur a 10 per cent penalty.

Your total rates for this year are \$1,953.26. This is how they are spent each week:

Subsidies and Recycling	Transport	Literacy	Parks and Green Spaces	Democracy	Water Management	Economic Development
\$2.11	\$5.23	\$9.44	\$5.85	\$1.73	\$18.14	\$3.86

A breakdown of these activities is on the back of this page. Rounding may apply to the weekly figure shown above.

Payment options



For internet banking payments:
Account 02-0316-0030142-06 using particulars: RATES, code:
Visit hamilton.govt.nz/rates for more information on ways to pay your rates or to have your rates invoice emailed to you.

To update your details email rates@hcc.govt.nz or phone 07 838 6688.

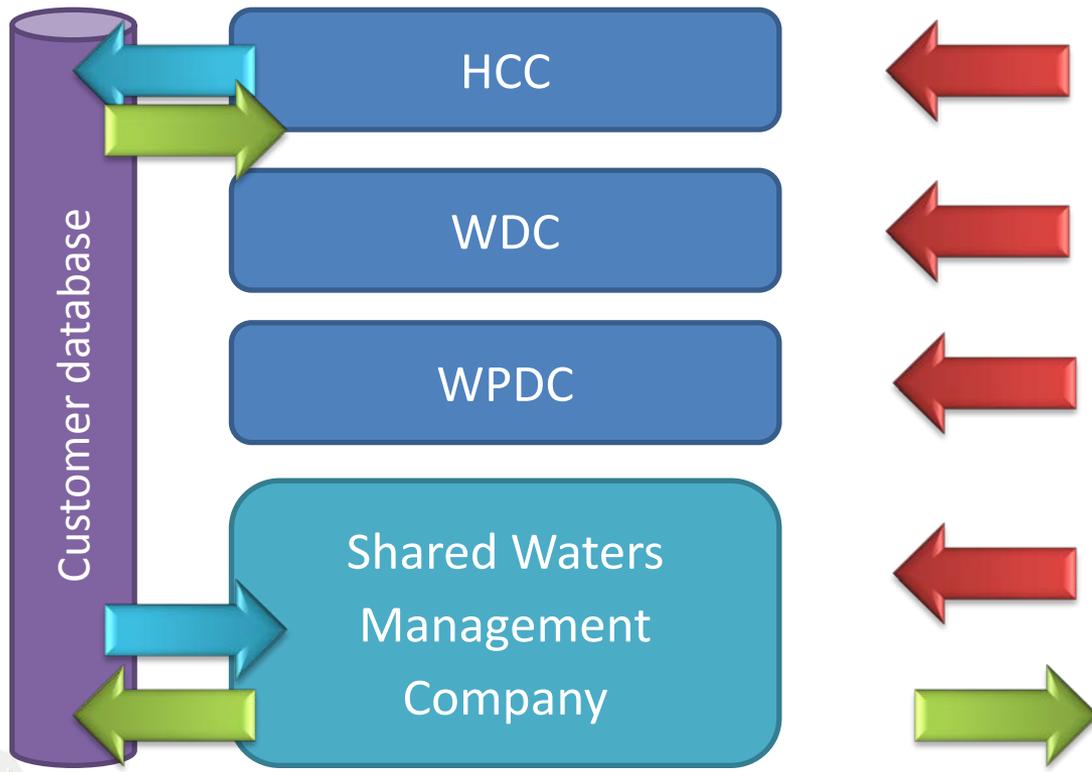
SW

**Paid by Fortnightly direct debit.
No manual payment required.**



Shared Waters Management Company

How it works – For the customer



The Operating Cost of Waters

Today

**Council
100%**



**With Shared Waters
Management Company**

**Company
40%**

**Council
60%**



The Capital Cost of Waters

Today

Council
100%



With Shared Waters
Management Company

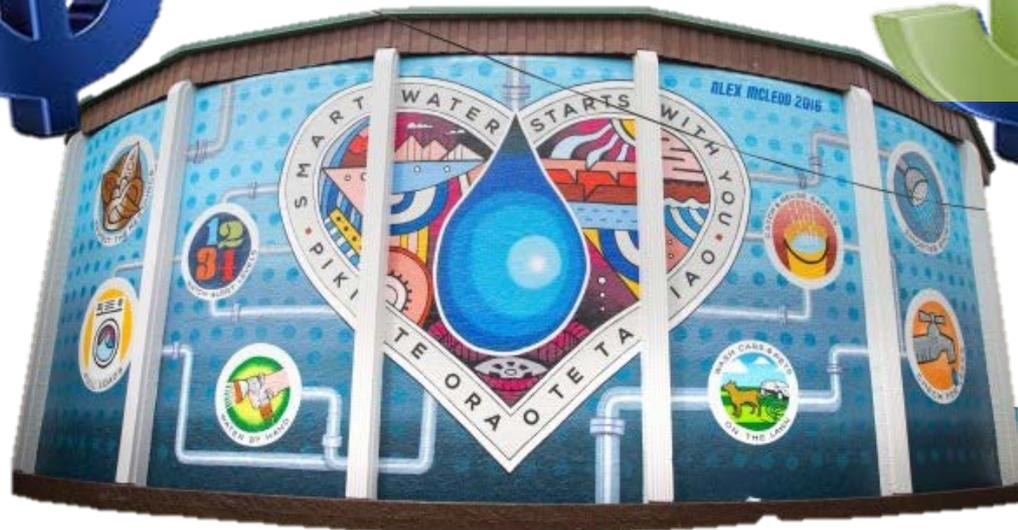


Company
Most

Council
Minimal
if any



13 April 2017



Hamilton City Council
Te kaunihera o Pirikiriwa



Shared Waters Management Company

How it works – Councils Trusted Advisors

- **All waters / infrastructure staff employed by the company.**
- **Very close working relationship with Council staff.**
- **Shared Waters Management Company staff are advisors to Council.**



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Shared Waters Management Company

How it works – Governance and Control

HCC Finance Committee or Council

- Receive company performance reporting.
- Instruct HCC representatives of Shareholders Forum on:
 - Letters of Expectation
 - Statements of Intent
 - Annual Reports
 - Feedback on performance
- For HCC approve:
 - Set Rates / Revenue
 - Waters budgets
 - Service levels
 - Capital projects

Shareholders Forum

- Monitor CCO performance
- Decide on:
 - Letters of Expectation
 - Statements of Intent
 - Appoint Board
 - Regional Policies
 - Other items in ROA
- Recommend to HCC:
 - Budgets
 - Service levels
 - Capital projects

Shared Waters Management Company

Draft Possible Record of Agreement (by HCC)

- Stormwater - in
- Growth Forum replaced by Future Proof
- Shareholding A and B shares?
- Contracts for Service
- Assurance
- Decision making framework
- Alignment to Council objectives
- Development Engineering
- Elected Reps on Board (not changed)
- Water meters decision for each Council



13 April 2017



Shared Waters Management Company

Outline of Approach:

1. This paper provides the outline of a possible Shared Waters Management Company (a non-asset-owning CCO) to manage and operate the water and wastewater systems and stormwater assets of Hamilton City, and Waipa and Waikato District Councils.
2. The paper is based on the Record of Agreement reached between the three councils in 2016 in relation to a possible asset owning CCO. Where there is not necessarily any need to consider a change to the approach adopted in the record of agreement that text is coloured black. Text that is no longer appropriate has been ~~struck through~~. New text describing the new option is coloured red.

Key Elements of the Proposed CCO

3. The key elements of the proposed ~~Shared Water Management Company~~ **Waters CCO** are ~~agreed as per the Cranleigh report~~:
 - a. The purpose of the CCO will be to provide drinking water and treat and dispose of wastewater, **and provide stormwater services** (water services) **under contract** across the Hamilton, Waikato and Waipa local authority areas.
 - b. The CCO will aim to deliver water services and operations in an efficient, effective and sustainable manner, maintaining agreed service standards and prudent management.
 - c. The CCO ~~will~~ **will** provide stormwater services under contract to Hamilton City, Waikato District and Waipa District Councils.
 - d. The CCO would be 100% owned by Hamilton City Council, Waikato District Council and Waipa District Council.
 - e. It will be possible for other councils to join the CCO on a fair and equitable basis.
 - f. The CCO will take the form of a shareholder-owned, limited liability entity subject to taxation advice.
 - g. The CCO will ~~earn enough revenue to maintain and develop the waters network, but will not pay dividends to shareholders.~~



Next Steps in the Journey

4 May Council Meeting



What is Hamilton's Preference?

Hamilton City Council
Te Kaunihera o Hamilton



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Consider 3 options

- Enhanced Shared Services
- Shared Waters Management Company
- Asset Owning CCO



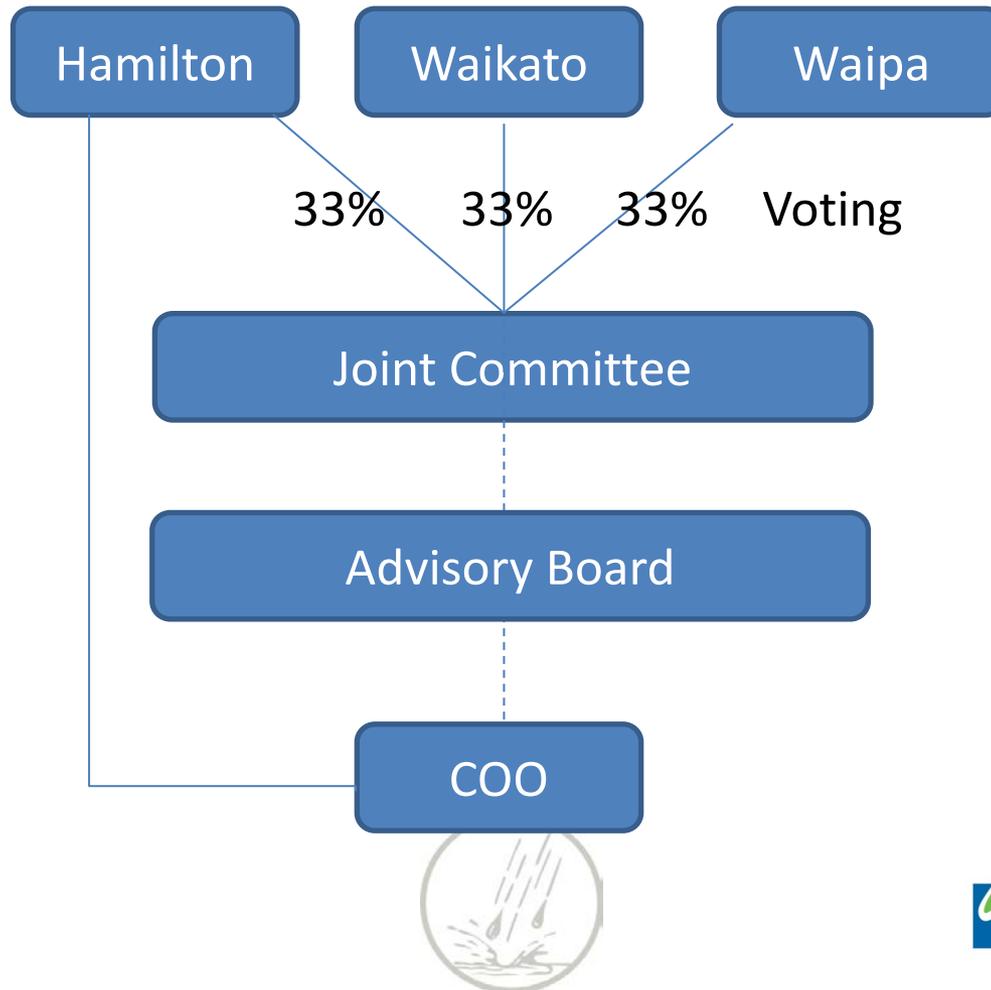
13 April 2017

Hamilton City Council
Te kaunihera o Hamilton



Recap

Enhanced Shared Service

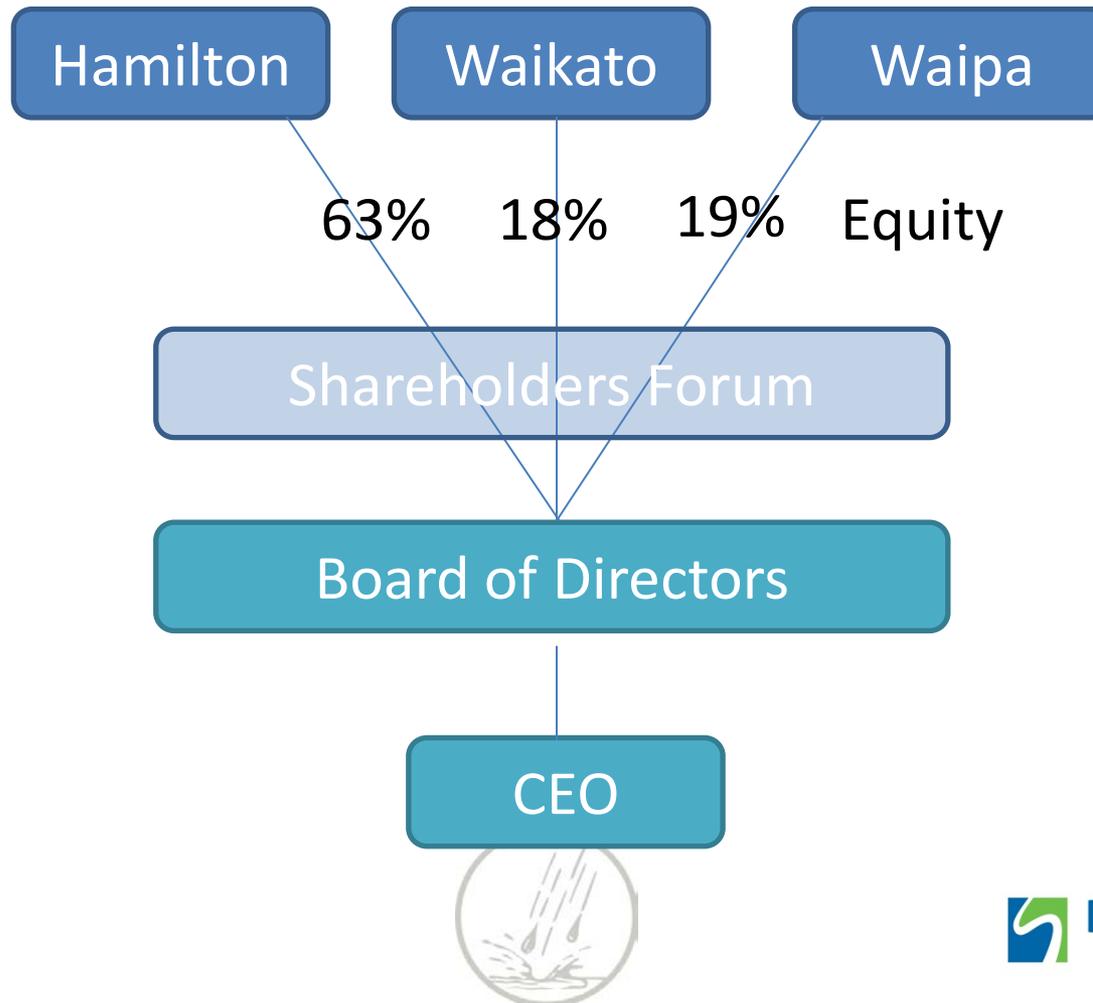


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Recap

Asset Owning Company



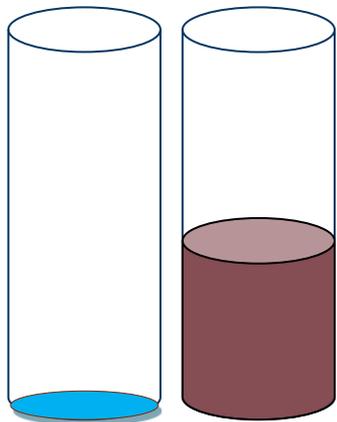
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By the Numbers

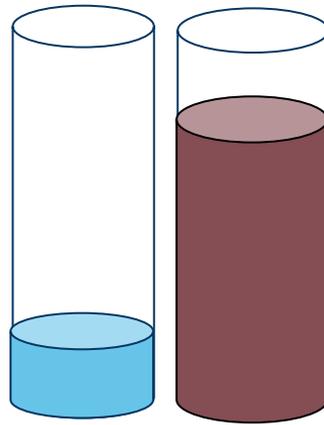
Cost Efficiency & Risk

Status Quo



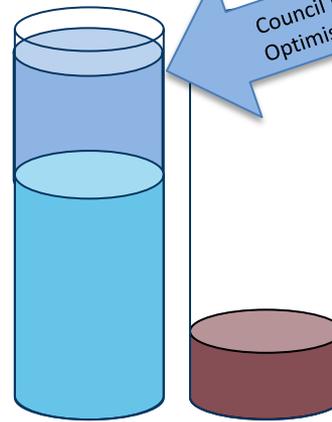
0%
Medium Risk

Enhanced Shared Services



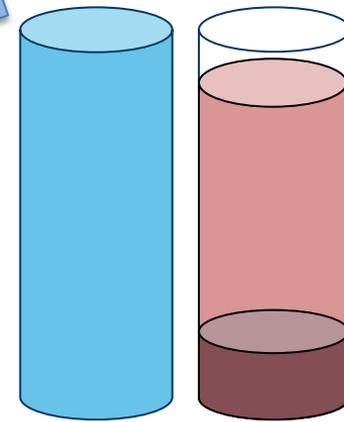
22%
High & on-going Risk

Shared Waters Management Company



62%
Low Medium Risk

Asset Owning Company



100%
Low Medium On-going Risk

High Set up Risk.



13 April 2017



HCC WGG - Conclusions



13 April 2017



4 May – Options and Recommendations

Option	Recommendation
Status Quo	Not recommended – we can do better
Enhanced Shared Services	Not recommended – too risky
Asset Owning Company	Not recommended at this time – best benefits but too risky to set-up
Shared Waters Management Company	Recommended - acceptable risk, good benefits.



13 April 2017



External Funding Prioritisation



Outline

- Projects and Plans
- Planning and implementation - what's needed
- External Funding
- Recommended approach

Background

- Strategies and Plans adopted by Council
- External Funding role established – Partnerships Manager – Major Projects
- Previously: External Funding Subcommittee - priority setting and approval of funding strategies
- Current: Community and Services Committee TOR

Plans

- Six projects prioritised for external funding
 - The River Plan
 - Playgrounds
 - The Biking Plan
 - Hamilton Gardens (current programme)
 - Central City Transformation Plan
 - Performing Arts Theatre
- Other Plans and projects

Planning – what is needed

- Planned project and funding approach (avoid ‘adhoc’ approach)
- Opportunity to leverage on projects
- Long-term staged approach
- Business Case
- Note - Any significant capital project will require detailed planning, feasibility, and co-funding to be eligible for external funding

Case Study: Hamilton Gardens

- Strategic Plan
- Governance and leadership
- Community Consultation
- Partnerships
- Business Case
- Staged approach
- Project Plan
- Feasibility Study
- Funding Strategy
- Committed co-funding
- Not competing with other large projects



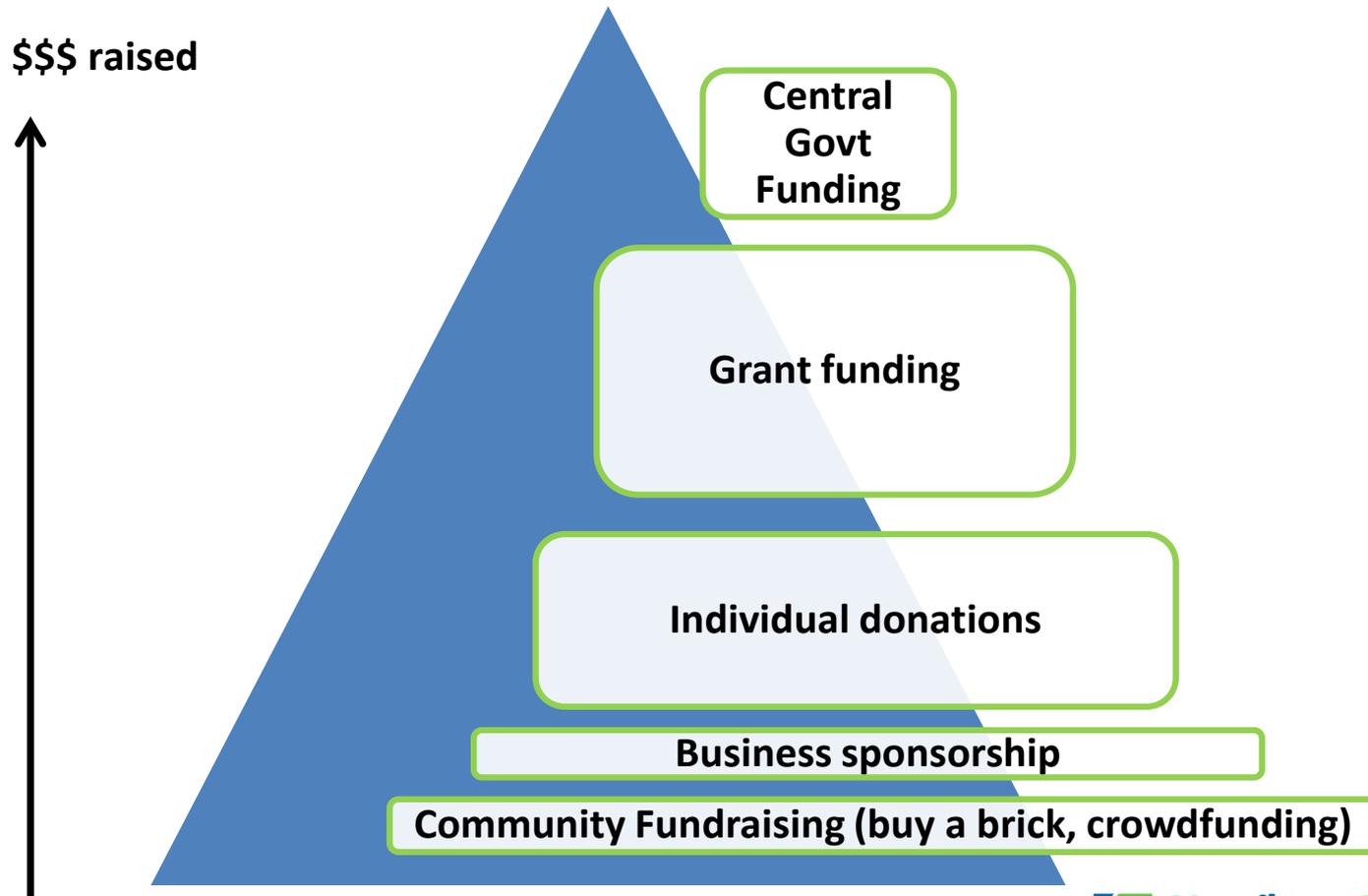
Principles of fundraising for major projects

- Targeted fundraising strategy with diverse funding streams
- Different funding types – what they want
- Trends and insights

Targeted fundraising strategies for major projects

- Details of the project
- Fundraising goal (the amount needed to raise and the timeframe to raise it in, realistic)
- Diverse funding streams

Funder mix and what they want



Trends and Insights

- Building relationships with funders take time
- Local pool of funders
- It is competitive
- Potential competing project
- Build on existing partnerships

Next steps

- Options and recommendations for staging of projects (high level costings) – June Community and Services Committee
- Business Case for 10 Year Plan – (appropriate Council Meeting – tbd)
 - recommended staging
 - cost estimates
 - planning and resourcing requirements

Safety in the central city



Introductions

- The Central City Safety Plan 2014 - 2017 (CCSP)
- Background to the CCSP
- Goals and Indicators of Success
- People's project
- Police partnership
- Current challenges and moving forward

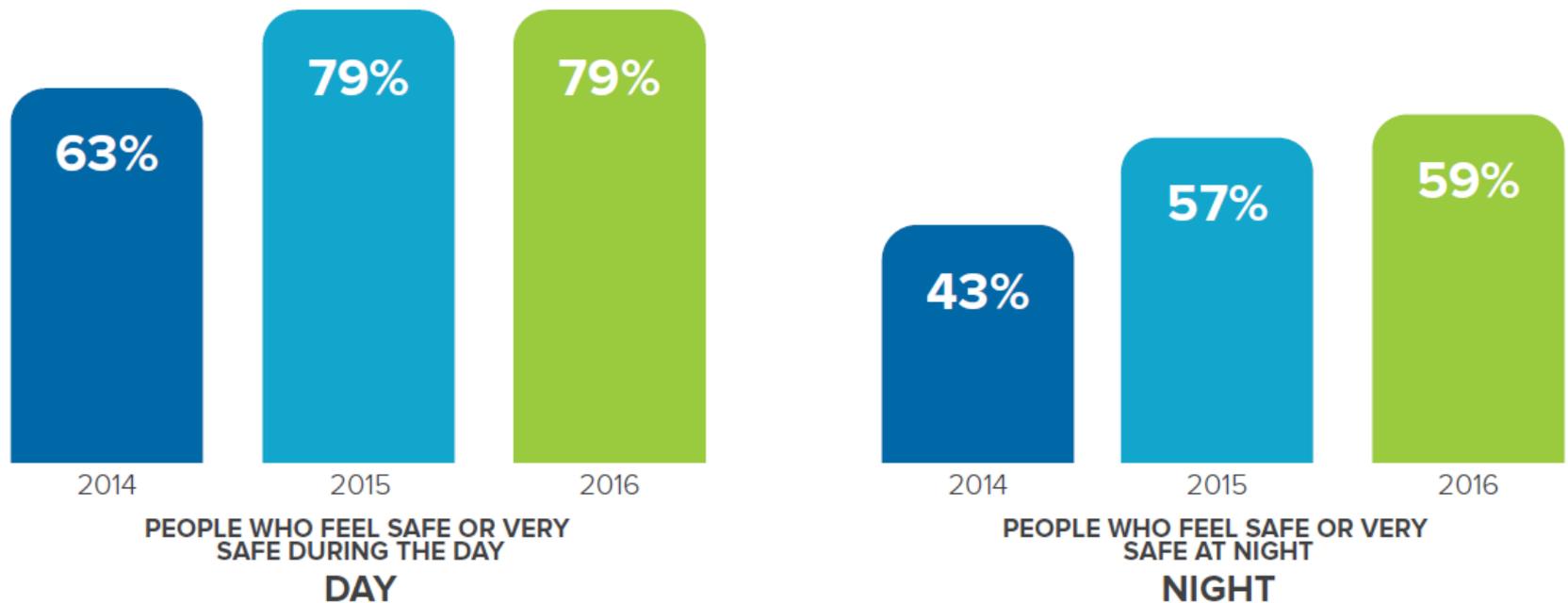
Background

- Anti-Social behavior
- Legal highs
- Significant concerns raised by business owners

Central City Safety Plan



Indicators of Success



Indicators of success

2015

30% REDUCTION IN POLICE
REPORTED CRIME IN
THE CENTRAL CITY

2016

2.5% FURTHER
REDUCTION
IN POLICE REPORTED CRIME IN
THE CENTRAL CITY SINCE 2015

- **WINNER** - 2016 Local Government New Zealand Community Engagement Excellence Award
- **FINALIST** – 2016 Collaborative Government Action SOLGM Local Government Excellence Awards

People's Project



Moving forward

- Questions
- Review the CCSP 2017

Draft Hamilton City Libraries Facilities Plan 2017-2027



Agenda

- Strategic context
- Principles of Library Community Facilities Plan
- Community library hubs
- The Central Library
- Options for the Central Library

What is the purpose of our libraries?

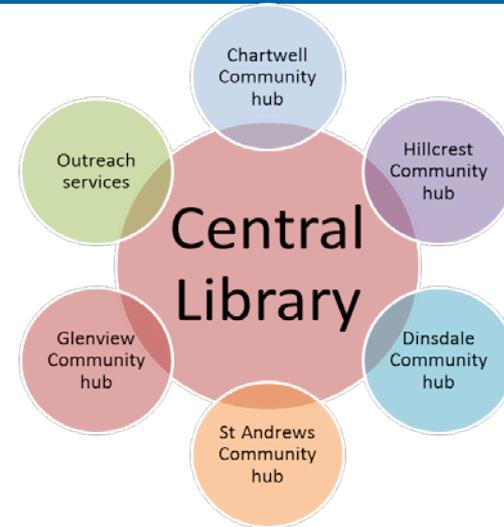
Core focus still books and literacy

The Central Library

- Flagship library
- Comprehensive collection

Community Library Hubs

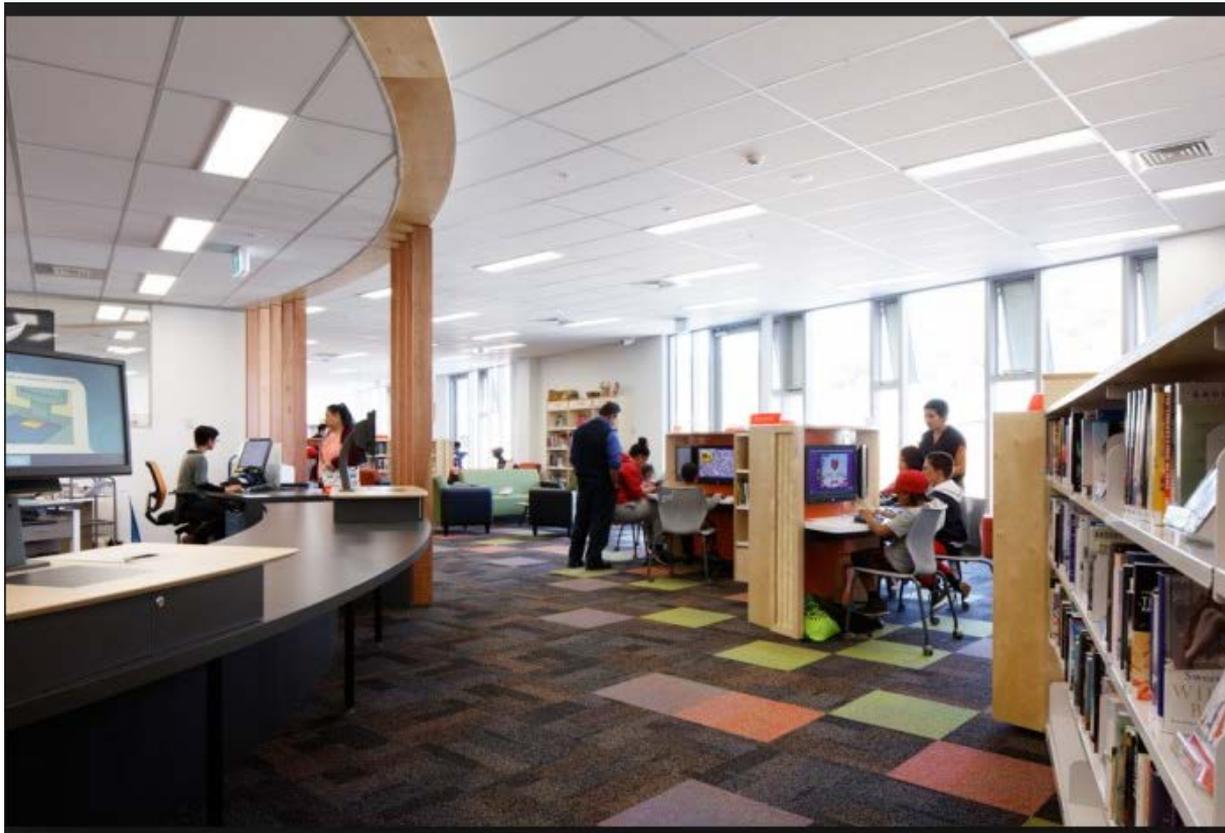
- Day to day library needs of local people
- Smaller, more tailored collections Services
- Do not compete with central library



10 Principles underpinning the plan

1. Collaborative
2. Contributing
3. Community centred
4. Customer focussed and inviting
5. Fit for purpose and future proof
6. Accessible
7. Safe
8. Sustainable
9. Appropriately resourced
10. Affordable

Examples of integrated community hubs: 1. Walter Nash Centre- Taita

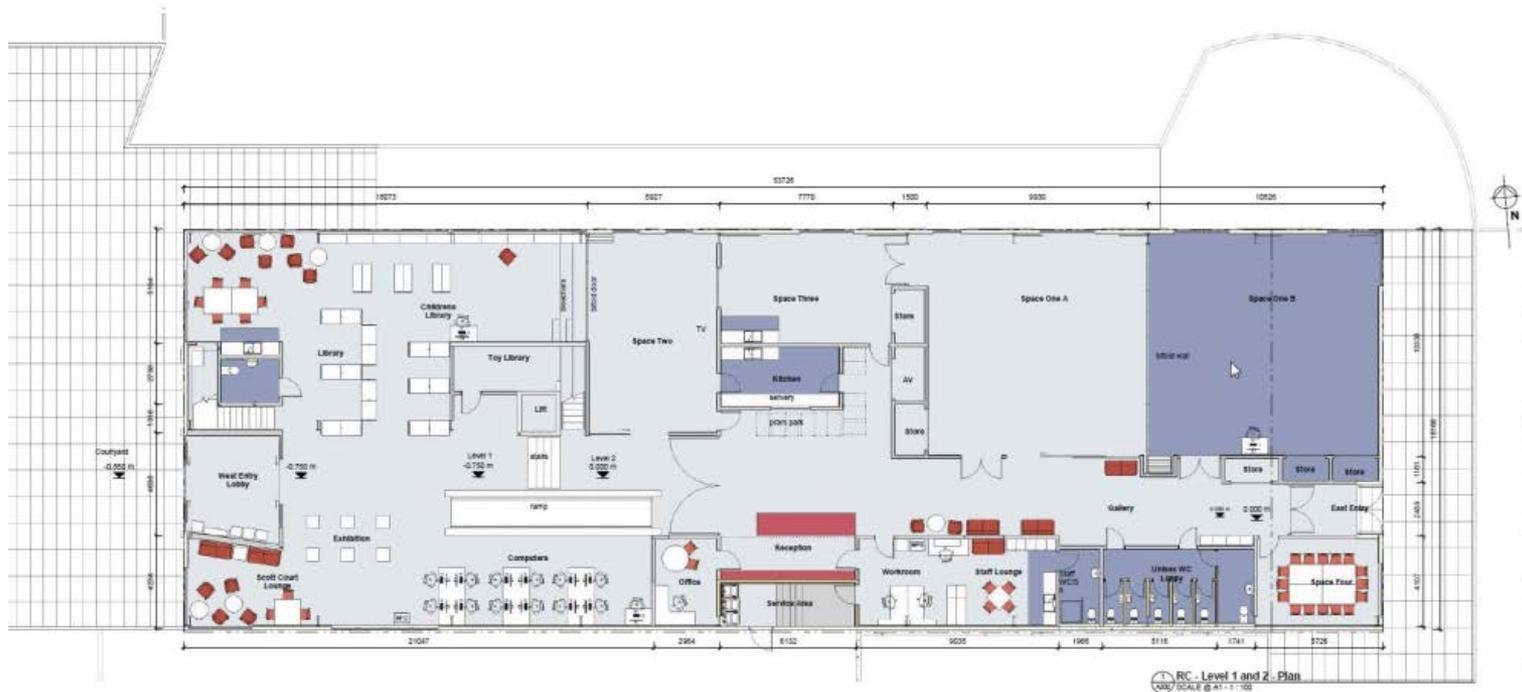


2. Stokes Valley Community Hub (under construction)



- Complete rebuild of library and community hall
- Budget of \$5.3m
- Due for completion late 2017

Stokes Valley Community Hub



Priorities - Community hubs

Hillcrest

- One of the busiest libraries in the network
- Described as “a sweatbox”, particularly after school
- Opportunity to expand to include technology space
- Potential partnerships with education and STEM sector

Chartwell

- The busiest library in the network
- Currently servicing Rototuna customers
- Developing the 200m² courtyard into a reading garden a cost-effective way to create extra space, light and amenity
- Urban Garden theme - opportunities for community input, education

Priorities - Community hubs

Rototuna

- Will ease pressure on Chartwell library
- Opportunity to provide a purpose built, integrated community hub
- Opportunity to collaborate from the beginning, shared service model
- Currently estimated to be 2,500 square metres at \$12m, may not need to be so big or expensive

Other community hubs

Other community hubs-

- **Glenview:** Will provide services for Stage 2 Peacocke population catchment, in addition to existing Melville, Glenview catchment
- **Dinsdale Library** - Could be impacted by future developments in Rotokauri and Whatawhata.
- **St Andrews** - Lower customer numbers but well loved by local community

Outreach Services

- Opportunities to address current gaps in service provision without incurring large infrastructure costs
- Places for literacy programmes and events to be held
- Collection pickup/drop off point or small collection spaces

Possible partnerships may include:

- **Western Community Centre**
- **Enderley Community Centre**

The Central Library



Why do we need a flagship library in the CBD?

- Demonstrates Council's confidence in the central city
- Urban form - Transport and distribution efficiency from central point
- Contributes to sense of place - pride in city
- Biggest library is one that is in "neutral territory" - the library belongs to every Hamiltonian
- Equity, fairness - why should some areas get a better level of service than others?

Central Library of Almere De Nieuwe Bibliotheek, Netherlands



Current situation

Issues beyond seismic problems include:

- Poor level of amenity
- Inefficient use of space due to weight loading problems, uneven floors and configuration of offices etc
- Safety- poor sightlines and enclosed environment
- Poor egress- limits use and acts as barrier to accessibility
- Parking issues (or perception of parking issues)

Option 1: Status Quo- Stay in Pop-up library

Pros:

- The cheapest option

Cons:

- A significant reduction in the level of service provided – nowhere to hold library events or programmes
- Potential loss of revenue for Caro Wing (where library staff are currently situated)
- Pop-up library reception lounge results in a disruption to civic events
- Building is not in a saleable condition
- Does not support Council's strategic goals for the city
- Negatively affects staff morale

Option 2: Strengthen Only

- Strengthen Central Library building to 34 per cent of the new building code.
- Cost: Approx remaining expenditure \$618,000 cap ex + \$17,000 op ex
- Timeframe: 6-8 months

Pros:

- Library does not have to relocate
- Service disruption is minimal
- Library would retain presence in Garden Place
- More cost effective option than leasing a 4,000m² space for one year
- Building is a saleable condition if Council decides to sell

Option 2: Strengthen only

Cons

- Does not address any existing issues with safety, space efficiency and amenity
- Becomes a missed opportunity to improve central library service
- Does not progress any of Council's strategic goals

Option 3: Strengthen and undertake improvements

Strengthen the building to 34 per cent of the new building code and undertake improvements that include:

- Relocating offices from the front of ground floor to create a line of site to and from Garden Place
- Creating multipurpose community meeting rooms/event space
- Safety improvements to customer service area
- Removing ramp to improve accessibility and security at entrance
- Reconfiguring space in top floors
- Improving accessibility of toilet and parent room facilities
- Estimated cost of improvements: \$1.5 million

Option 3: Strengthen and undertake improvements

Pros

- Resolves **some** of the safety, space efficiency, accessibility and amenity issues
- Opens up line of sight to Garden Place
- Will improve levels of service in terms of providing community usage
- Partially promotes strategic goals in CCTP and Libraries Strategic Plan
- A more cost-efficient option than leasing a large library space in CBD for 3 years
- Service continuity remains

Option 3: Cons

- Doesn't address long term issues around weight loading and egress from top two floors
- No significant improvement in amenity
- Doesn't address parking or access issues

Option 4: Strengthen, improve with plan to relocate

Undertake strengthening work and improvements as described in option 3 and investigate a site to relocate to in 2027

Pros:

- Short term benefits of option 3 and:
- Would resolve the safety, space efficiency, accessibility and amenity issues in the long term as well as offering an improved level of service
- Would allow time to effectively plan relocation
- Minimal service disruption
- A large destination library in the CBD fits with Council's overall strategic goals

Option 4: Strengthen, improve with plan to relocate

Cons

- Space efficiency, weight loading, and some safety issues still exist for 10 years
- Does not resolve parking issues in the short term
- Risk that the project would be deferred

Option 5: Greenfield Build

- A smaller library space in the CBD
- Some backroom functions moved to a suburban facility

Pros:

- A new build would give us a fit for purpose facility
- Project plans for facility developments in Rototuna and Peacocke not yet finalised, so there is scope for change

Option 5: Greenfield Build

Cons

- A long wait; Rototuna not planned for until 2029/30, no date for Stage 2 Peacocke development
- City fringe location not efficient in terms of service and distribution to a city wide network
- Backroom functions are space intensive. Splitting backroom functions would reduce efficiency and dominate the floor space of a suburban library.

Clean Water

HCC staff presentation to Elected Members on 13 April 2017



Purposes of this presentation

- Outline the Ministry for the Environment's (MfE's) 2017 consultation document, *Clean Water*
- Identify its implications for the City and Council
- Explain why HCC should make a submission
- Seek Elected Members' directions re submission content and approval

Outline

What is *Clean Water* about?

Proposes targets for making rivers and lakes swimmable and measures to help achieve this, including:

1. Better public information on water quality at freshwater swimming spots
2. Amendments to the National Policy Statement for Freshwater Management 2014 (NPS-FM)
3. Invites applications for the Freshwater Improvement Fund
4. Policy for excluding stock from waterways

Outline

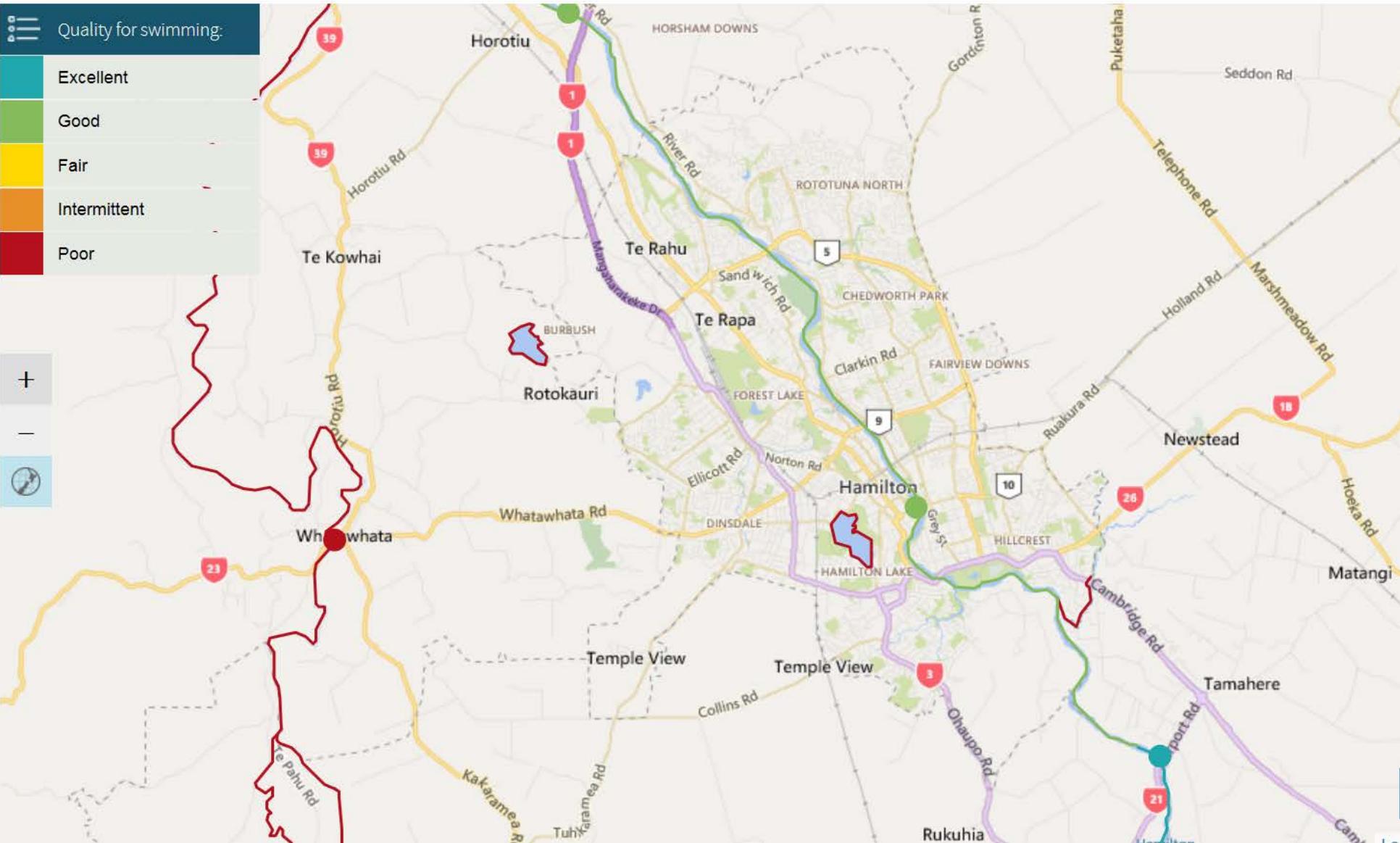
Swimmable Water Targets

- 80% of rivers and lakes swimmable by 2030
- 90% of rivers and lakes swimmable by 2040
- Applies only to rivers that are deep enough to swim in and lakes with perimeter > 1.5km
- “Safe to swim” is based on the concentration of E. coli in rivers and toxic algae in lakes
- New standards for determining “swimmable”

Implications of new 'swimmable' standards

- In some cases, a river or stream which would previously have been identified as being in an **unacceptable** state for swimming will now be categorised as “**swimmable under certain circumstances**”
 - 34% of Waikato waterways are swimmable now
 - Increases to 48% under proposed standards

Better information about water quality at swimming spots – Maps on MfE website



Proposed changes to the NPS-FM

Direct regional Councils to:

- Improve water quality towards swimmable standard over time and to monitor and report progress
 - See proposed Objective A3 and Policies A5, CB1 and CB2 and Appendix A5

Outline

Stock Exclusion

- Staggered requirements: begin 2017, complete by 2030
- On rolling and steep land apply only to waterways > 1m wide
- Will be implemented by regulations
- Regional Councils may set more stringent requirements, including riparian buffers
- HCC should support, but seek exemption for zoo animals

Outline

Freshwater Improvement Fund

- Commits \$100m over 10 years to improve freshwater management
- Will fund up to 50% of projects with total value of \$400,000 or more
- Applications are invited
- Opportunities for leveraging the fund will be considered through the Long -Term Plan process

Implications

Legislative requirements

- Regional policy statements, regional plans and district plans are required to **give effect to** any NPS
- The Waikato Regional Plan may need to be amended
- No changes to the Hamilton City Partly Operative District Plan are considered necessary

Implications

Positive Implications for City

- Any improvement in river and lake water quality would be consistent with HCC's plans
- Better public knowledge of river and lake water quality
- Waikato River becomes more attractive to swimmers

Implications Risks for Council

- “Swimmable” targets may require earlier upgrades of HCC’s stormwater and wastewater infrastructure than will be required by the *Proposed Waikato Regional Plan Change 1 – Waikato and Waipa River Catchments (PPC1)*. (We don’t yet know what upgrades PPC1 will require).
- Regional Council may pass on monitoring requirements to City Council

Why Council should make a submission

- To ensure Council's interests as a provider of three-waters services are protected and advanced
- Improving the quality of water bodies in Hamilton is consistent with HCC's strategies and plans

Submission content

What should be included?

- Support retention of provisions that benefit Council's interests
- Seek:
 - Provision for best practicable option, offset measures and for existing discharge consents to run their terms
 - Policy recognition for municipal water supply
 - Amendments to make provisions clearer and more certain

Conclusions

- Proposed changes to NPS-FM require actions by regional Councils, but not by HCC
- HCC is subject to the NPS-FM and should make a submission
- Elected members' directions are required
 - Submission content
 - Approval of submission at meeting on 4 May 2017

End of Presentation

Supplementary Slides

- The following slides will be shown only if this will help answer elected members' questions

Changes to swimmable water quality standards

- Changes are proposed to the NPS-FM Appendix 2 Attribute table for “Human health for recreation”
- The 4 attribute states in the operative NPS-FM (“A” to “D”) will be replaced by 5 colour-coded states.
- The National bottom line for E. coli (i.e., the wading or boating standard) will be removed

Operative NPS-FM: Human health for recreation

Attribute state	E.coli/100ml	Wading / Boating		Swimming	
		Sampling Statistic	Infection risk	Sampling Statistic	Infection Risk
A	≤ 260	Annual median	Very low < 0.1%	95 th Percentile	Low $\leq 1\%$
B	> 260 and ≤ 540	Annual median	Low $\leq 1\%$	95 th Percentile	Moderate < 5%
	540			95 th Percentile	Minimum Acceptable
C	> 540 and ≤ 1000	Annual median	Moderate < 5%	Annual median	High > 5%
	1000	Annual median	National Bottom Line		
D	> 1000	Annual median	High > 5%		

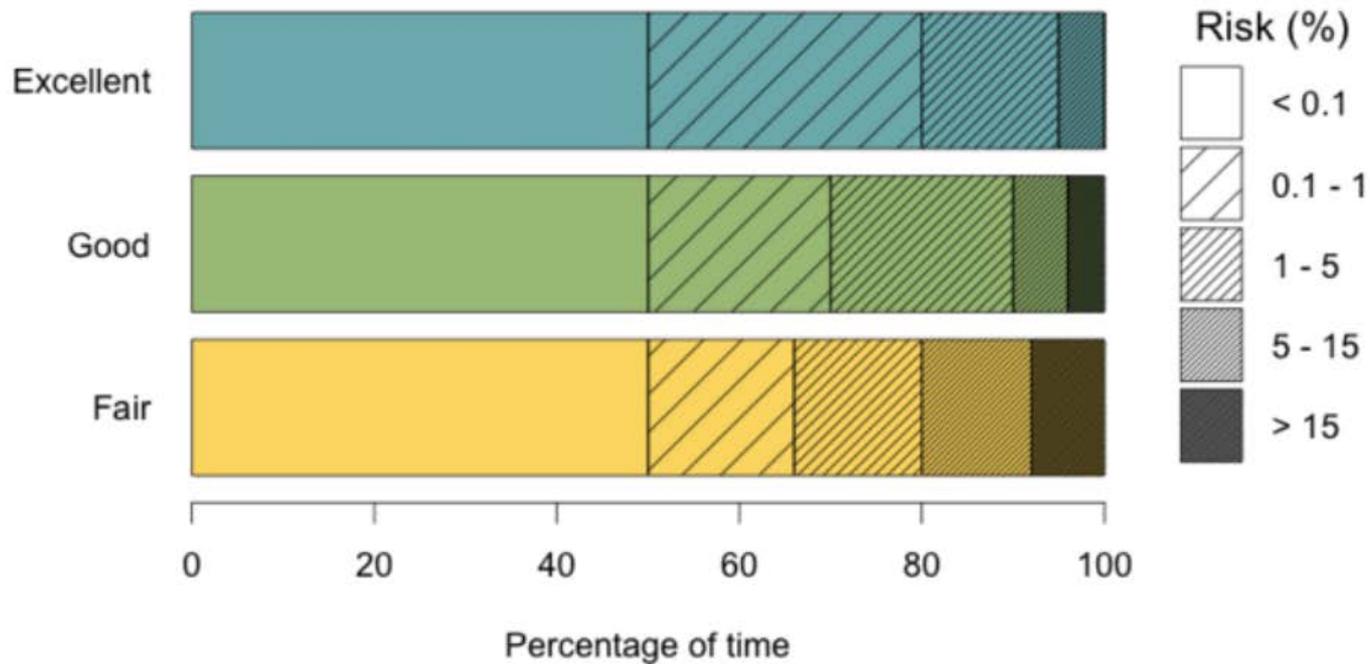
Proposed NPS-FM: Human health for recreation

Attribute state	% of time the 540 E.coli/100ml threshold is exceeded	Wading / Boating	Swimming		
			"Suitable for Immersion"?	Proportion of time suitable for swimming	Infection Risk
A (Blue)	< 5 (95th percentile)		Yes	Almost all of the time	Moderate < 5%
B (Green)	5 – 10 (90th – 95th percentile)		Yes	Most of the time	High > 5%
C (Yellow)	10 - 20 (80th – 90th percentile)		Yes	Some of the time	High > 5%
D (Orange)	20 – 30 (70th – 80th percentile)		No	Intermittently	High > 5%
E (Red)	> 30 (< 70th percentile)		No	Not safe to swim	

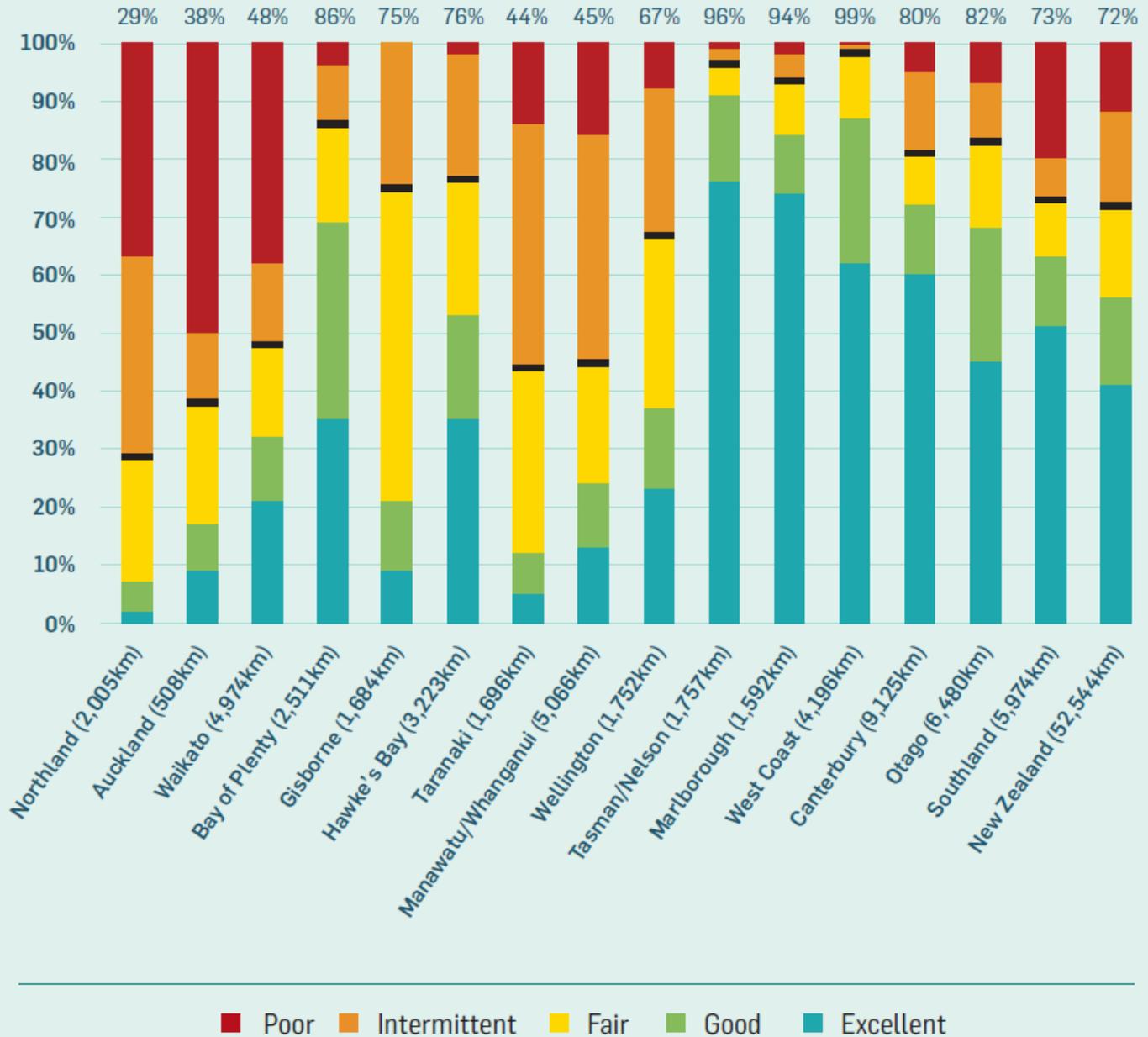
Outline

Risk using the new colour coding for 'swimmable' rivers

Percentage of the time NZ rivers/lakes present risk of infection with *Campylobacter*



Current swimmability of New Zealand rivers and lakes



■ Poor
 ■ Intermittent
 ■ Fair
 ■ Good
 ■ Excellent

90% of rivers and lakes swimmable by 2040

Poor

Not safe to swim
Meet guideline values less than 70% of the time

Intermittent

Not safe to swim except if LAWA website confirms it's ok
Meet guideline values 70-80% of the time

Fair

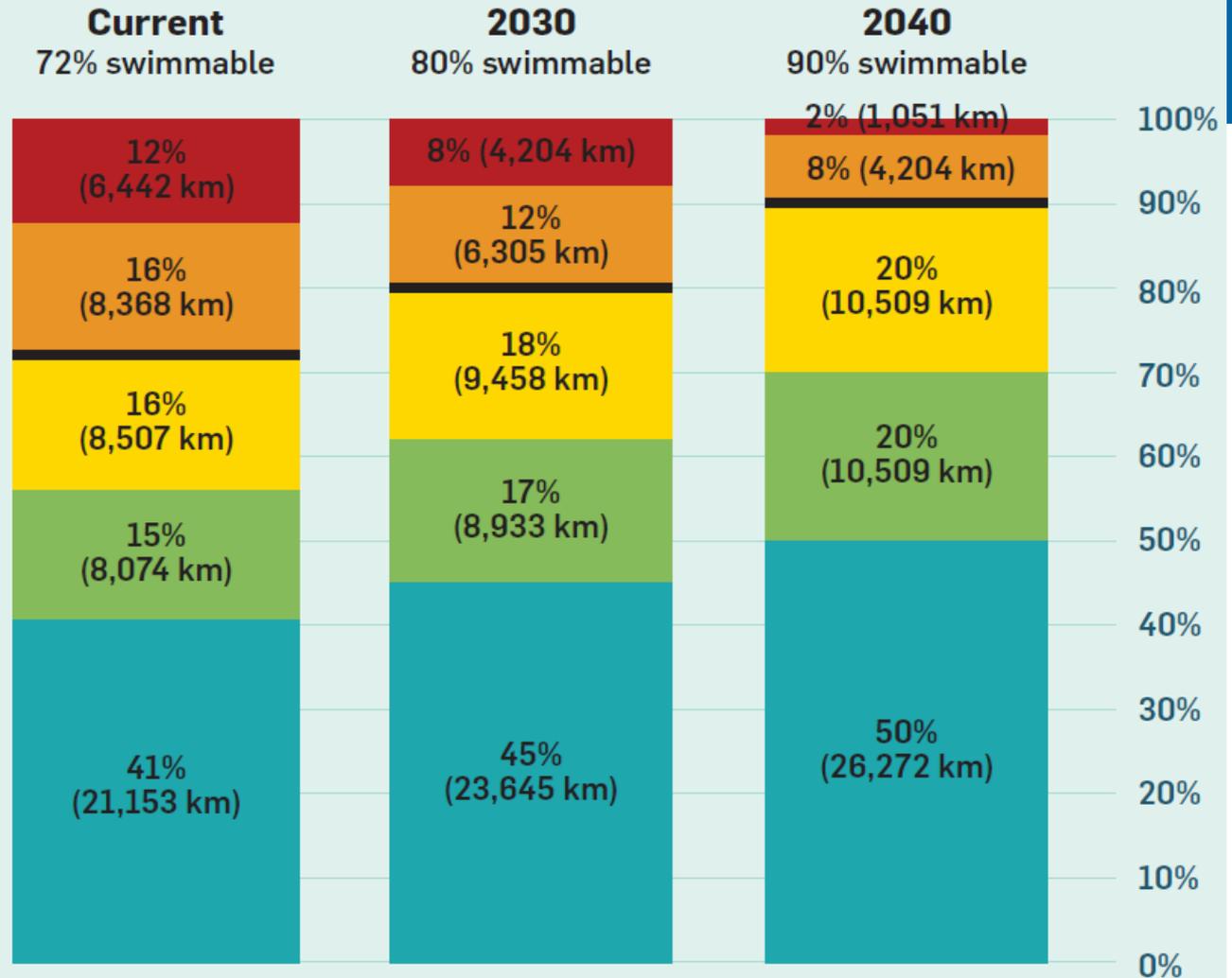
Safe to swim in normal conditions but if in doubt, check the LAWA website
Meet guideline values 80-90% of the time

Good

Safe to swim except following heavy rain
Meet guideline values 90-95% of the time

Excellent

Safe to swim except following flood events
Meet guideline values 95% of the time



Reliance on monitoring to protect public health

New Appendix 5 in Proposed NPSFM requires:

- If a weekly sample > 260 E.coli/100ml: increase to daily sampling and regional Council to notify public
- If sample > 540 E.coli/100ml: increase to daily sampling and regional Council to notify public the site is unsuitable for recreation

Comparison with Healthy Rivers' requirements

Characteristics	<i>Clean Water</i>	<i>Healthy Rivers Plan Change</i>
Proportion of time 540 E.coli/100ml is exceeded	Up to 20% (see Note 1)	Up to 5%
Applies to	“Large rivers and lakes” (see Note 2)	All surface water bodies
Timeframes	80% of water bodies by 2030 90% of waterbodies by 2040	2096

Notes

1. Proposed Policy A5 includes: “For the purposes of A5(a), **suitable for immersion** means **large rivers and lakes** in Attribute State A, B or C in the E. coli attribute table in Appendix 2 of this national policy statement”.
2. “**Large rivers and lakes**” means rivers that are fourth order or above, and lakes larger than 1.5 kilometres in perimeter on average.

Stock Exclusion

Land form	Exclusion from	Pigs	Dairy cows	Dairy support	Deer	Beef Cattle
Steeper land > 15°	Waterways > 1m wide, lakes & wetlands	2017	2022	2022 Break-fed	2022 Break-fed	2022 Break-fed
Rolling land > 3° - 15°	ditto	2017	2017	2022	2022 Break-fed	2022 Break-fed
ditto	ditto				2030	2030
Plains 0° - 3°	ditto	2017	2017		2022 Break-fed	2022 Break-fed
ditto	All waterways, lakes and wetlands	2020	2020	2022	2025	2025

What is the process?

- MfE has confirmed it will accept Council's submission on 5 May 2017
- There will be no hearings
- A report on submissions will be prepared
- Minister will recommend approval of NPS-FM
- Governor-General in Council may approve it