

2024 Infrastructure Strategy



The purpose of this presentation is to brief you on:

- Our approach to the 2024 Infrastructure Strategy
- What residents think about our infrastructure
- The risks to our infrastructure and how we plan to deal with them
- The 2024 Strategy as a 'transitional strategy'
- Possible key infrastructure to be included
- The timeline to deliver the Strategy by mid-December



Council is required to develop an infrastructure strategy

Local Government Act (S101b):

- A local authority must, as part of its LTP, develop an infrastructure strategy
- The purpose of an infrastructure strategy is to:
 - Identify the significant infrastructure challenges & risks
 - Set out how Council will address these, and build and maintain its infrastructure



What can we learn from other Councils' infrastructure strategies?

- Most infrastructure strategies:
 - Focus on 'horizontal' infrastructure – ie water infrastructure and roads & footpaths
 - Are lengthy, complex and not easy to read
- Taituarā advice: focus on big dollars, big risks, big public interest – i.e key funded projects



The Infrastructure Strategy supports LTP 2024 priorities:

To:

- Provide 'fit for future' infrastructure
- enable a liveable city and vibrant neighbourhoods
- support and enhance the environment

By:




- Working in partnership
- Keeping climate change foremost in mind
- being financially sustainable







What residents have said about our infrastructure


- 89% of respondents to our Early Engagement survey agreed or strongly agreed that 'providing infrastructure that is fit for the future' should be a key area of focus for the Council
- Consensus is that *infrastructure stands at the core of Council's duties*
- Council must invest in infrastructure that's not just sustainable but also future-ready
- Balancing the multifaceted needs of the community and adhering to budgetary constraints.

Resident satisfaction with infrastructure is decreasing

Roads		Footpaths		Shared paths	
2023	35% 	2023	45% 	2023	45% 
2022	42%	2022	37%	2022	43%

Reliability of water supply		Quality of water supply		Reliability of stormwater system		Reliability of wastewater (sewer) system	
2023	73% 	2023	71% 	2023	51% 	2023	72% 
2022	83%	2022	72%	2022	60%	2022	78%



The green arrow signifies an increase, while the red arrow indicates a decrease in satisfaction compared to the 2022 RSS results.  Signifies an increase or decrease within the margin of error (-/+ 2%).



The risks facing our infrastructure

- Ageing water infrastructure
- The pressures of growth on water infrastructure
- Key transport infrastructure challenges
- The multiple effects of climate change & natural hazards
- Financial sustainability

“We are renewing water infrastructure at 50% of the lifecycle rate needed” - WWL



2024 – A transitional infrastructure strategy

What's happening with water?

- Responsibility for water infrastructure will shift from Council to Entity G in 2024
- 2024 Infrastructure Strategy will be a 'transitional' strategy

Focus for future infrastructure strategies

- We are planning for uncertainty in 2024...a focus on water and transport
- A wider view of infrastructure – including vertical assets
- A strategic approach – using spatial planning to work towards a city strategy



The key elements of our proposed approach

- *A vision and outcomes* that support the LTP to make Te Awa Kairangi ki Tai a connected, resilient, vibrant and liveable city
- A focus on *key funded infrastructure projects* – drinking, waste and storm water; key transport projects, and Infrastructure Acceleration Fund projects
- *A stewardship approach* to managing the challenges & risks to our infrastructure
- *A plain language style; giving voice of residents; setting out what we've achieved & using case studies* as examples



Proposed vision and outcomes

Vision

- Our infrastructure supports Te Awa Kairangi ki Tai to be a liveable city where all our people thrive: the social, economic and cultural wellbeing of *our community is sustained*; and the health and safety of *people, property and the environment is protected*.

Outcomes

- Infrastructure *supports the future growth* of Te Awa Kairangi as a safe, healthy, liveable and vibrant city
- *Improved reliability*, resilience, sustainability and long-term adaptability of our infrastructure
- *Resident satisfaction* with infrastructure that is designed and managed well to meet community needs and aspirations



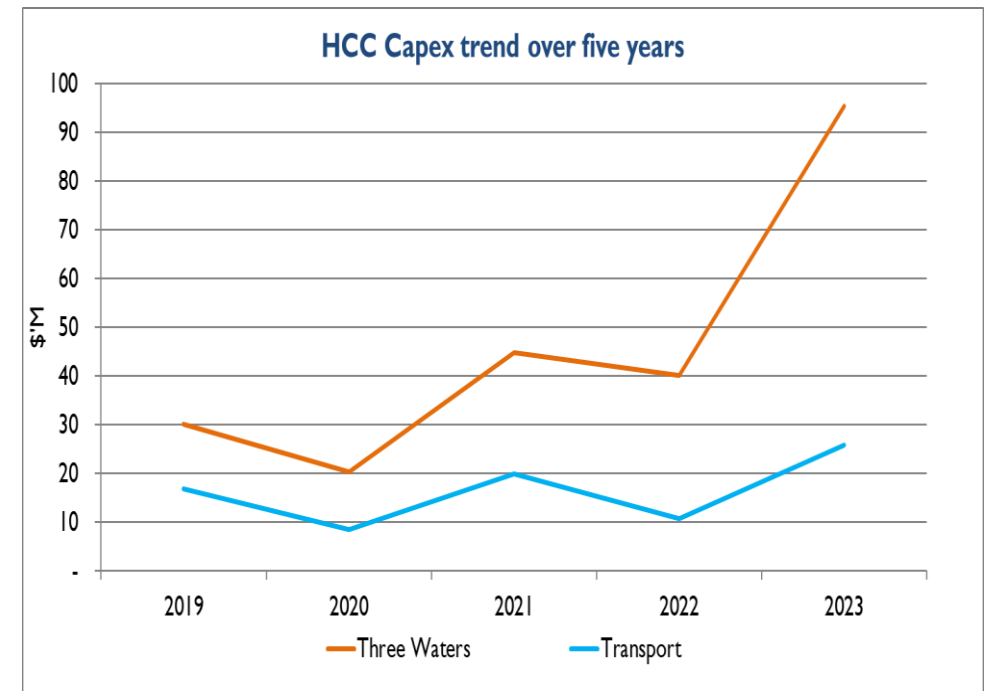
The elements of our stewardship approach to infrastructure

- Working with communities and partners
- Supporting and enhancing the environment
- Spatial planning for future-fit infrastructure
- Mitigating and adapting to climate change
- Sustainable investment in infrastructure
- Ensuring levels of service



Building on what has been achieved since 2021

- Three-fold investment increase in renewals for 2022 & 2023 compared to previous five-year period
 - Average 4km water pipe renewals 2017-2022
 - 14.5km in 2022-2023, and 15.3km for 2023-2024
- Growth study completed 2022
- Renewal of highly critical assets (eg Barber Grove – Seaview collecting sewer)
- Tupua Horo Nuku: good progress on sections of the seawall & shared path
- Work well underway on Eastern Hutt Rd resilience – to be completed in early 2024
- 2021-2022: 1400 sqm of footpath & 750 LM of kerb and channel



The provisional key water infrastructure projects

Renewals:

- Water – 18kms 2024-2025 – lifting to 30kms per year over a 5 year period (a mix of 3 waters)

Projects in detailed design:

- Eastern Hills reservoir
- Petone collecting sewer

Projects in planning:

- Sludge dryer renewal
- Hutt Valley main sewer renewal

IAF Projects:

- Melling stormwater pipeline
- Woburn stormwater pipeline
- Wastewater pipeline

Pending:

- Kingsley reservoir – seismic replacement
- Universal metering
- Wainuiomata reservoir #3
- Te Mome pump stn renewal
- William street pump stn renewal



The provisional key transport infrastructure projects

- Seismic strengthening of Cuba street overbridge
- Eastern Hutt Road resilience
- Tupua Horo Nuku
- Cycleway and micro-mobility programme
- Road network improvement programme
- Cross Valley Connections



Next steps

- Oct/November: Council decides on core projects and funding
- 27 November: LTP/AP sub-committee reviews final draft Infrastructure Strategy
- 12 December: Final draft Infrastructure Strategy delivered to Council
- Strategy will stay under review through early 2024
- Consultation as part of the LTP process in 2024

