NAPIER
CITY COUNCIL
Te Kaunihera o Ahuriri

Napier Civic Building
231 Hastings Street
t +64 6 835 7579
e info@napier.govt.nz
www.napier.govt.nz

DELIVERY & REGULATORY PERFORMANCE COMMITTEE

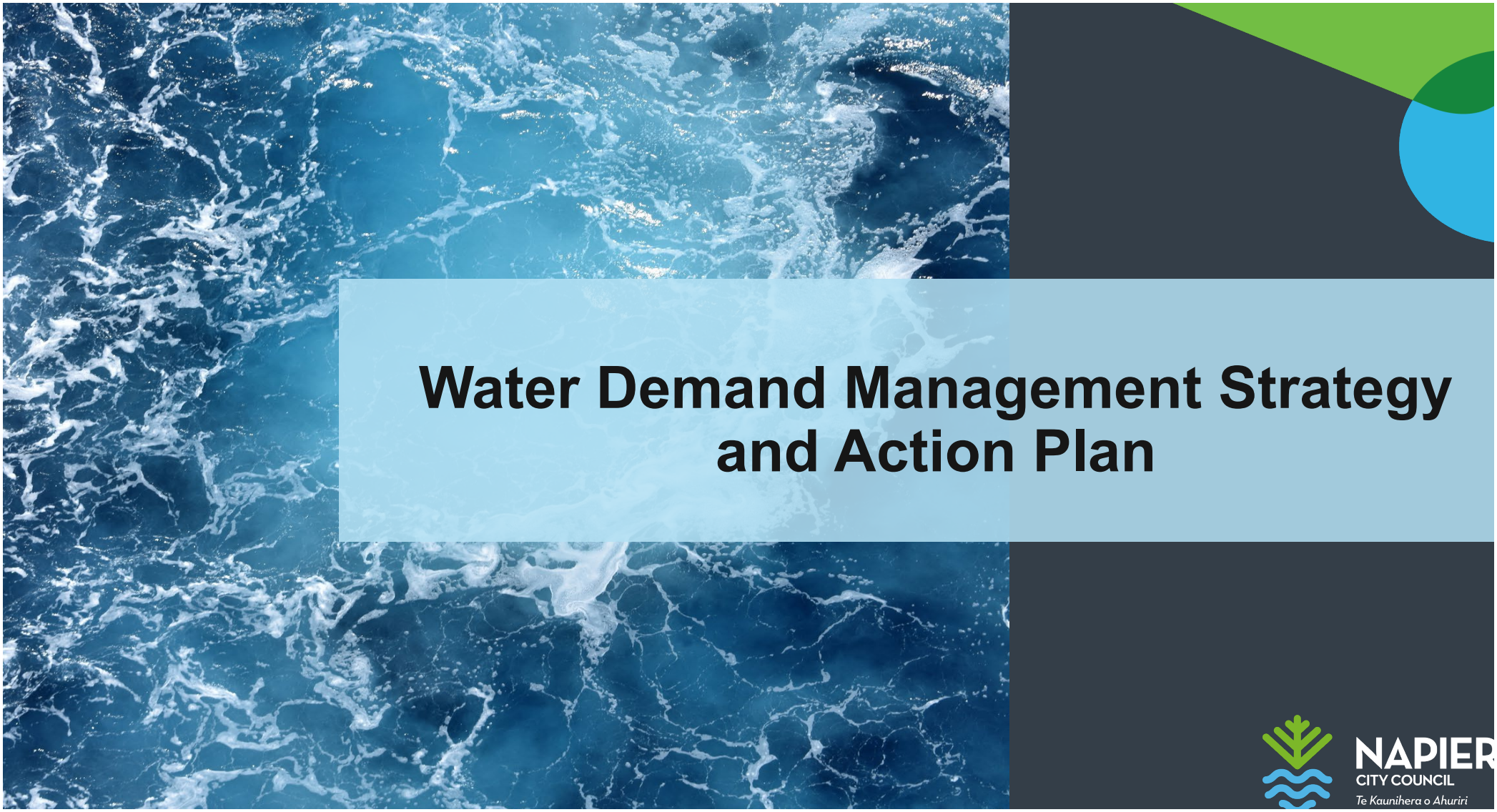
Open Minutes Attachments

Meeting Date:	Thursday 5 March 2026
Time:	9.30am – 10.18am *(Open)* 10.27am – 11.00am *(Public Excluded)*
Venue:	Breakout Room 2 War Memorial Centre Marine Parade Napier

TABLE OF CONTENTS

Item 2 **Water Demand Management Strategy and Action Plan**

Attachment 1 Water Demand Management Strategy and Action Plan presentation 2



Water Demand Management Strategy and Action Plan

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Purpose

Endorse Scenario 5 as the preferred pathway for water demand management

- leak management
- active engagement of the top 100 non-residential users
- community education
- social marketing programme

Approve commencement of the early actions of the Strategy in 2026

- increased meter reading
- expanded leak detection
- stakeholder and community engagement.

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Why Water Demand Management Matters

Water Demand Management

Water Take Consent

Expires 31 May 2027

Aquifer

Ensure sustainable supply from Heretaunga Plains Aquifer

Population & Climate Change

17.6% growth in 30 years
4.7% less rainfall by 2050

Reduced costs

Reduction in operating and maintenance
Reduction in power costs
Less costly infrastructure builds

Increased reliability

Reduces stress on network, less outages
Reduced peak demand

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Average Water Demand (2019-2024)

66%

Residential Use

Household gardens, showers, toilets

Small number of users account for large proportion of demand

18%

Non-Residential Use

Business, schools, Council facilities, industry

16%

Leaks and Losses

Almost 1 in every 6L pumped is lost before it reaches the customer

Opportunity to reduce leaks and improve efficiency

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Demand Scenarios

Scenario 1

Status quo
Population growth only

Scenario 2

Status quo &
climate change

Scenario 3

Leak reduction to 12%
by 2029

Scenario 4

Leak reduction to 12% &
Water loss management – network monitoring, pressure and system performance, earlier leak detection
Infrastructure Leakage Index to 4

Scenario 5

Leak reduction to 12% &
Water loss management &
Engaging with high use groups &
Social marketing and education

Scenario 6

Scenario 5 &
Universal water metering

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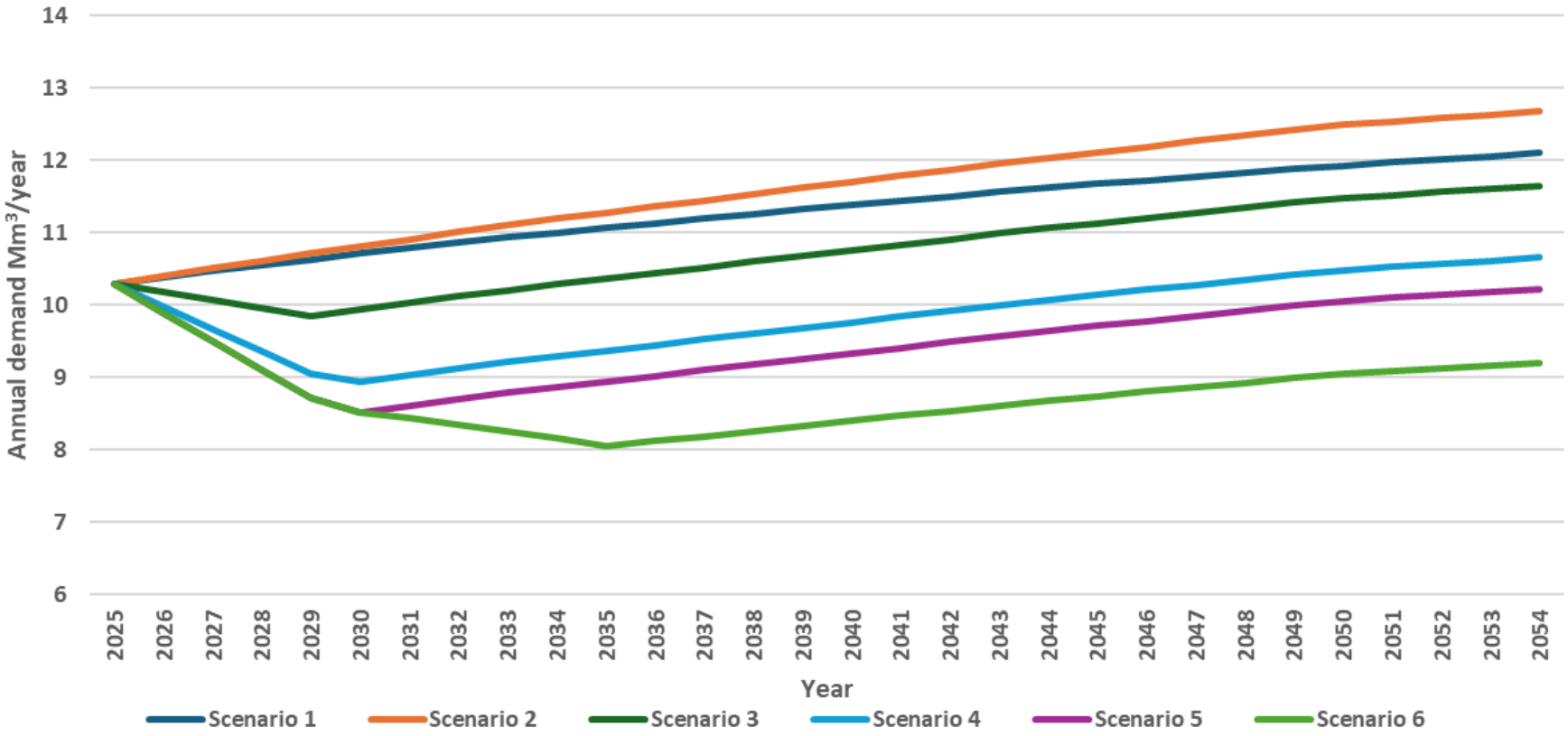
Demand by scenario (2025-2054)



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Next steps

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2026

- ✓ Engage project manager & advisor
- ✓ Establish baseline
- ✓ Commence social marketing, education and engagement with top users

2027

- ✓ Formalise policy
- ✓ Water Loss Plan
- ✓ Education and engagement
- ✓ Increased meter reading for metered sites

2028

- ✓ Smart meter trial
- ✓ AI trial for leak analytics
- ✓ Behaviour change tracking

2029

- ✓ Water metering feasibility analysis
- ✓ Education & engagement

2030

- ✓ 10% demand reduction achieved

Monitor, evaluate and report

What this means for the community

More secure water supply

Better protection of the aquifer and environment

Cost savings in operations and maintenance

Reduced likelihood of shortages in dry periods

A fair and targeted approach focused on the greatest opportunities first

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