

Mana Arotake Aotearoa

Learning from audit findings 2015 to 2017

Asset management and long-term planning

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Good practice



www.nams.org.nz

www.ipwea.org

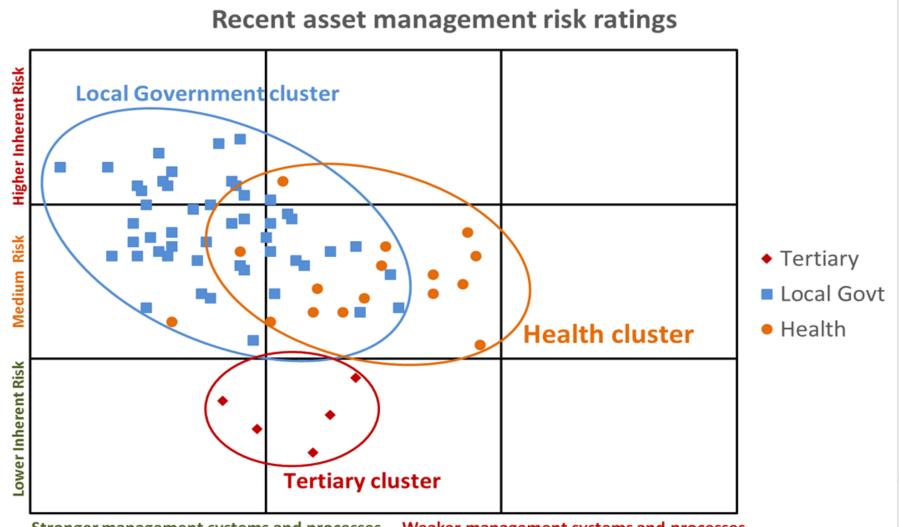






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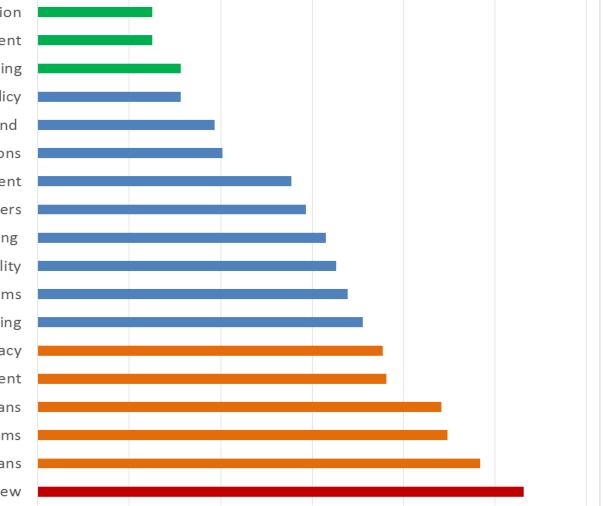
Assessing risk and opportunities for improvement



Stronger management systems and processes Weaker management systems and processes

Where are the opportunities for improvement?

Asset valuation Governing body commitment Strategic planning Asset management policy Forecasting future demand Service levels, standards and expectations Senior management commitment Skilled, experienced asset managers Links to performance and financial forecasting Information reliability Information systems Lifecycle planning Data accuracy Condition assessment Improvement plans Reconciling systems Reporting against plans Third-party review



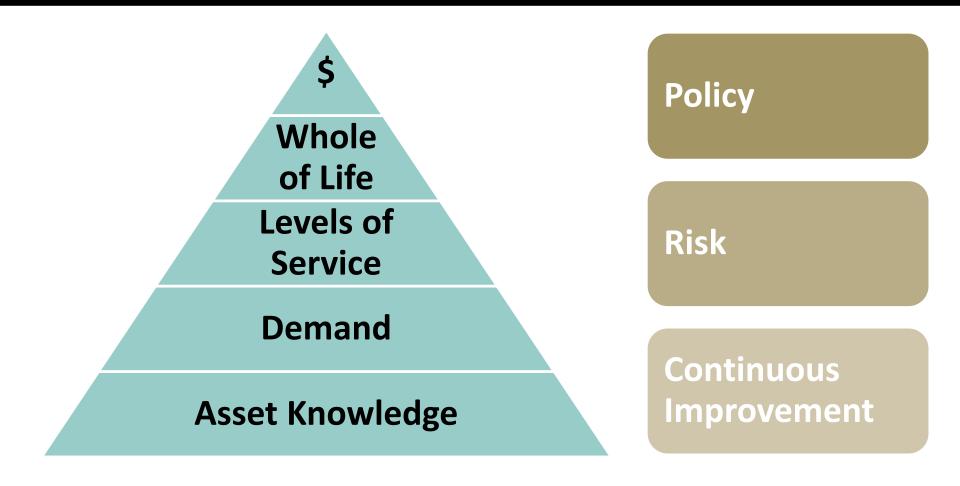
Lower risk = stronger areas of practice

Higher risk = greatest scope for improvement

A closer look at the opportunities for improvement

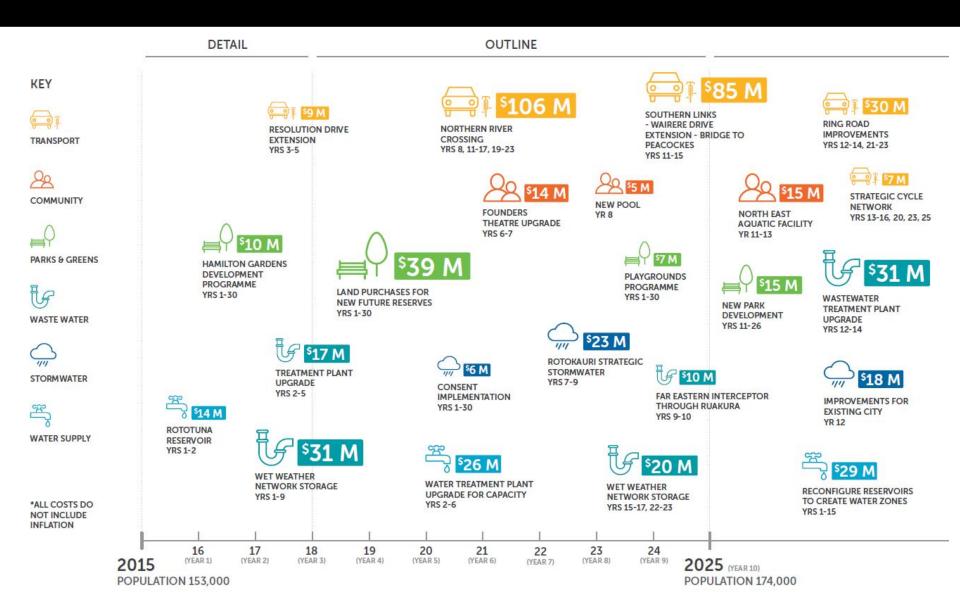


The asset management pyramid

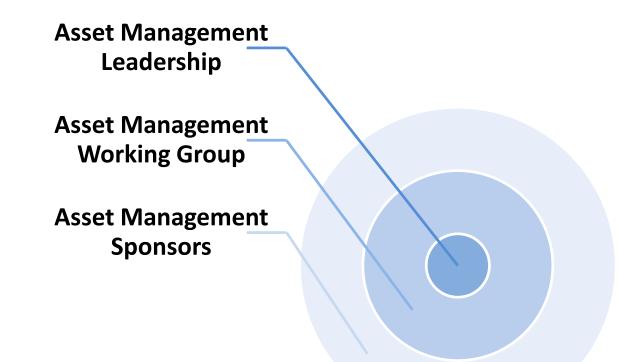


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Strategic asset management



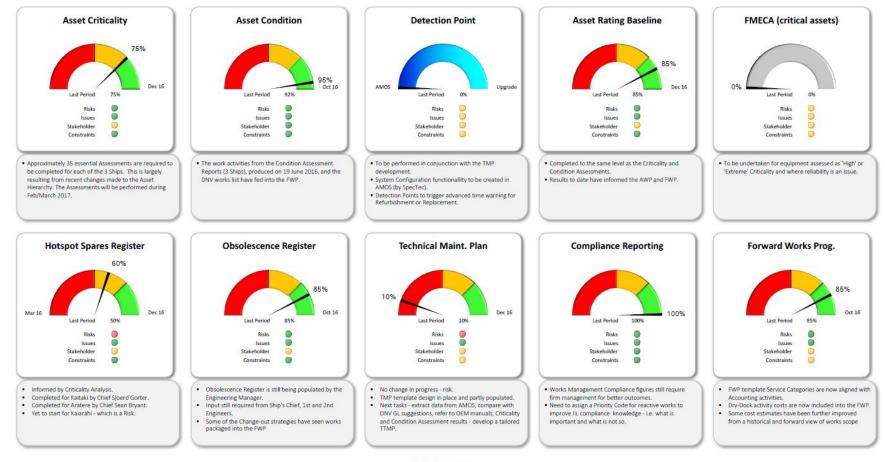
Planning for success Good asset management takes a team



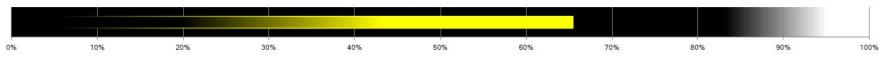


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Data basics



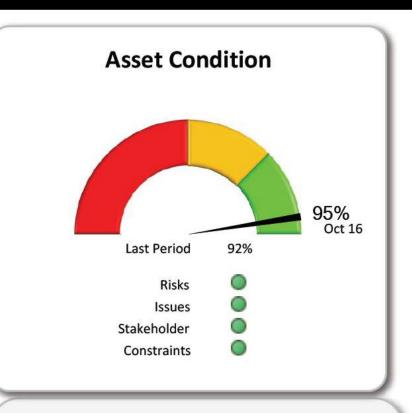
Overall Progress



Data basics – a closer look

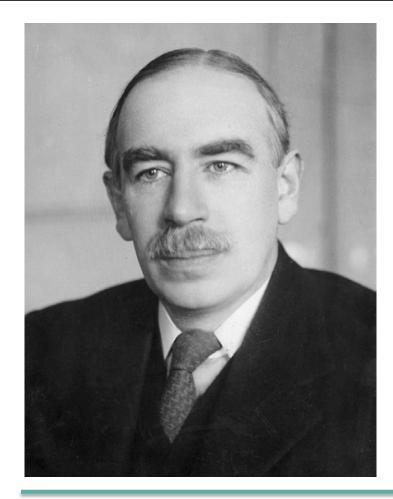


 Approximately 35 essential Assessments are required to be completed for each of the 3 Ships. This is largely resulting from recent changes made to the Asset Hierarchy. The Assessments will be performed during Feb/March 2017.



 The work activities from the Condition Assessment Reports (3 Ships), produced on 19 June 2016, and the DNV works list have fed into the FWP.

Well informed assumptions



"When the facts change, I change my mind. What do you do?"

John Maynard Keynes, 1883-1946



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Well informed assumptions

	Assumption	Level of uncertainty
Population trends	That the regional population will continue to grow at the medium growth rate as projected by Statistics New Zealand and will reach approximately 538,700 by 2026 and 559,900 by 2046. ¹ Natural increase is the primary driver for growth. More than three quarters of the region's projected growth will be at 65+ years. Population decline is expected at the 0-4 and 15-29 year age groups. The ratio of elderly (65+ years) to children (0-14 years) will increase rapidly from the current 0.64 (six elderly for every ten children), to 1.16 (12 elderly for every ten children) by 2031. Only modest changes to the overall ethnic composition of the region. The 'European / Other' ethnic group is expected to decrease slightly to 67.7% by 2021. Maori, Pacific Island, and Asian groups will increase slightly. ²	Medium
Indicative areas of urban growth / intensification	 Our assumptions on where urban growth and intensification will take place are based on the best publically available information from territorial authorities various urban growth / development strategies including: Kāpiti Coast: Choosing Futures - Development Management Strategy 2007 (Kāpiti Coast District Council) Proposed Kāpiti Coast District Plan 2012 (Kāpiti Coast District Council) 2007 Urban Growth Strategy (Upper Hutt City Council) – under review 2012-2032 Urban Growth Strategy (Hutt City Council) Wellington Urban Growth Plan 2014-2043 (Wellington City Council) Porirua Development Framework 2009 (Porirua City Council) Operative Wairarapa Combined District Plan (Masterton, Carterton and South Wairarapa District Councils) – Subdivision, Land Development & Urban Growth chapter. 	Medium
Economic growth ³	Employment in the region is projected to grow from 226,600 full-time equivalents (FTEs) in 2013 to 285,300 FTEs in 2041. This equates to an annual growth rate of 0.82% (which is 0.33% below the national average). GDP in the region is projected to grow from \$23,020 million in 2013, to \$44,180 million in 2041. This equates to an annual growth rate of 2.36% (which is 0.15% below the national average).	Medium

Helping your auditor can be helping yourself

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1. Have you got a strategy for the long term sustainability of your assets?



2. Have you set an asset management policy?



3. Do you have good quality up-todate asset management plans for achieving your strategy?



4. Does your organisation have appropriate asset management skills and experience?



5. Do you know the reliability of your asset information?



6. Do you have a structured approach to assessing the condition and performance of your assets?



7. Have you defined a clear and comprehensive set of service levels to be delivered or supported by the assets?



8. How well do you forecast future demand for the services that are delivered or supported by your assets?



9. Do you report, and get reports on, achievement of your asset management plan(s)?



10. Do you have a backlog of repairs, maintenance, and asset renewals? and what are you doing about it?



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