Enterprise Risk and Resilience Management in Utilities (ERRM)

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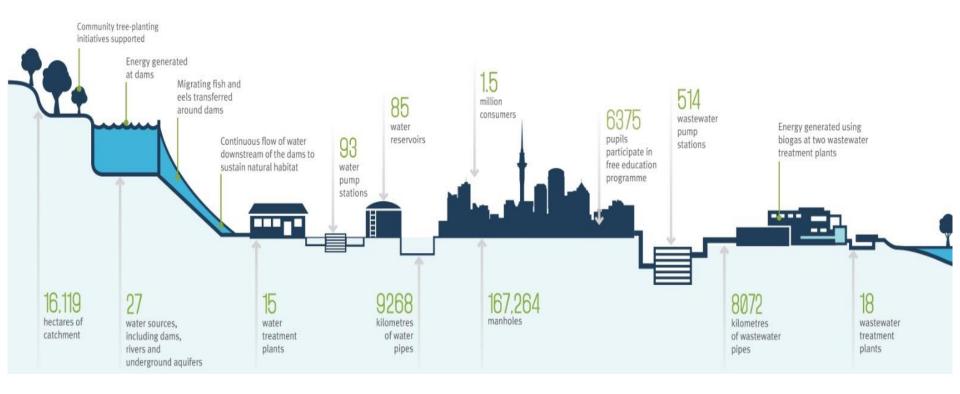
Acting Chief Financial Officer

Watercare Services Limited Auckland



From sky to sea

An overview of Watercare's assets and operations



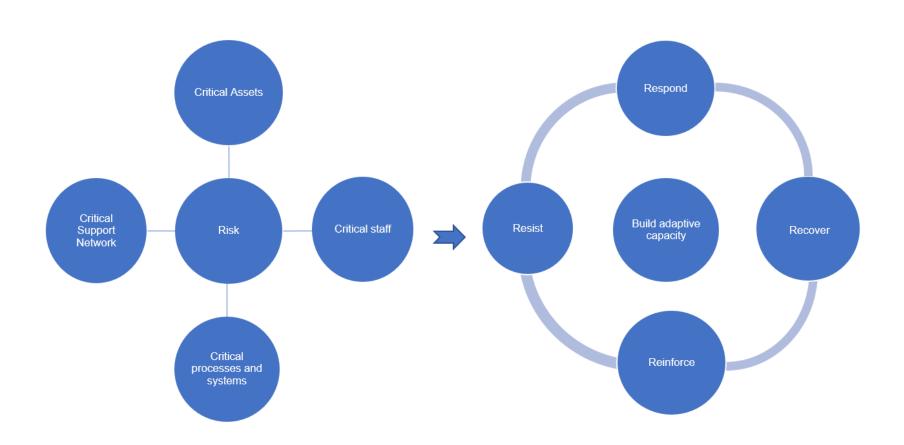
Linking Risk and Resilience Thinking



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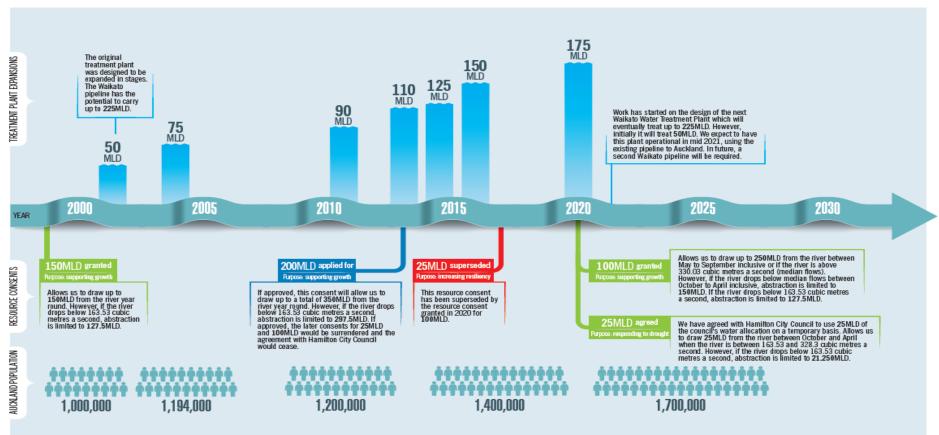


Building resilience



Build resistance - Increasing water supply

Auckland's Waikato River water source



MLD = million litres a day Updated September 2020.





Building resistance in utilities is expensive!!

The New Zealand Herald | Tuesday, July 7, 2020

News A1

'Water bomb' as cost of fixing crisis hits \$224m

Councillors gobsmacked as estimate for easing Auckland drought woes rockets



Responding / Recovering from a Drought

Reduce demand



Increase supply



At the same time!



To reduce demand

Leak repair

Leak detection

Pressure management

Smart metering

Operational flushing



Awareness

programmes

Schools

Garden centres

Commercial users



Analysis

District meters

Night flow

Hydrological



Communications

Residential

Commercial

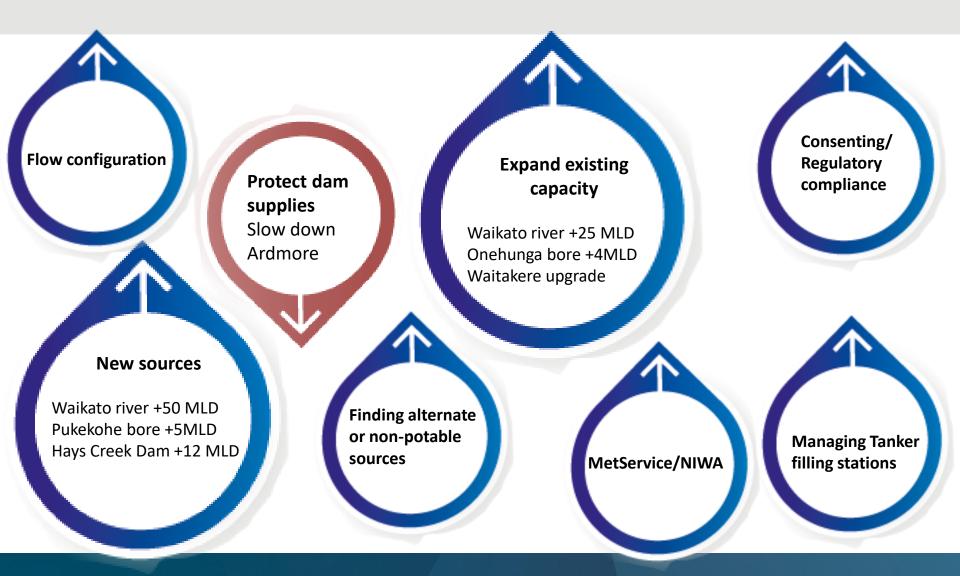
Stakeholders



Customer restrictions & drought plan review



To increase supply





In the eye of the storm

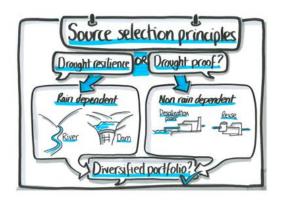
Information Requests

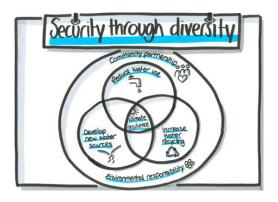
- Council
- Central government
- Press/Media and OIA

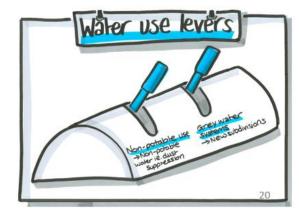
- Customer complaints
- Social media (and fake news)
- Self professed experts



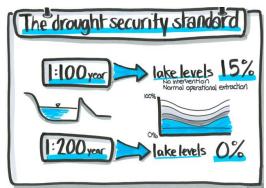
Reinforce - Avoiding Future Droughts

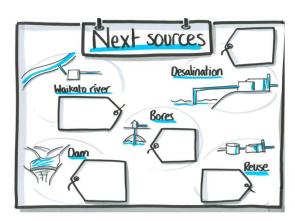












PAS 60518:2020

Published in July 2020 by the British Standards Institute (BSI)

Using understanding of risks to guide resilience development

Gives guidance on responding to extreme events:

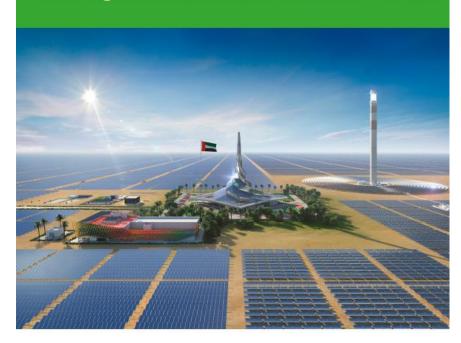
Integrating business continuity and incident management plans
Improving staff capabilities
Use of extended supporting networks

Provides Guidance + Examples + Templates

Website address: https://shop.bsigroup.com/ProductDetail?pid=0000000000030390660

PAS 60518:2020

Developing and implementing enterprise risk and resilience management (ERRM) in utilities – Guide









A pandemic plan for utilities A guide for utilities who want to build their own pandemic plan

Watercare Pandemic Plan

Developed in the midst of Covid-19

Interactive plan with guidance, videos, templates and samples

Coming Soon





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