

Construction Client Group meeting 14 November 2018

Mark Kinvig – Group Manager, Network Strategy and Planning



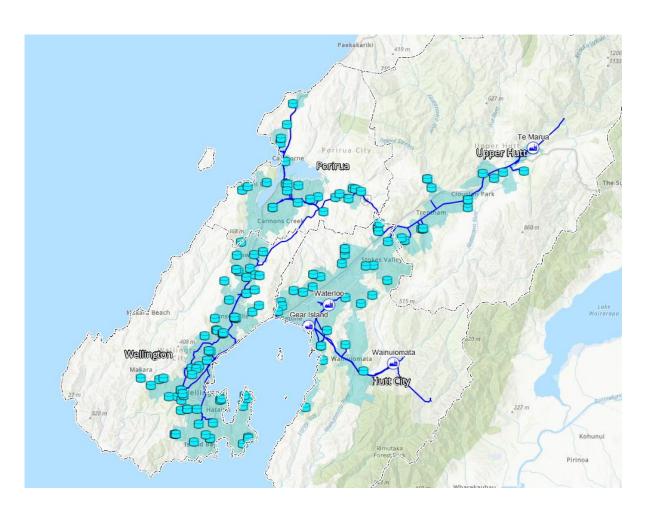
Our water, our future.





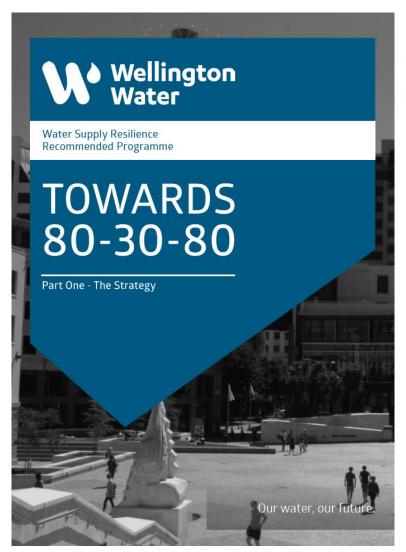
Current water supply network





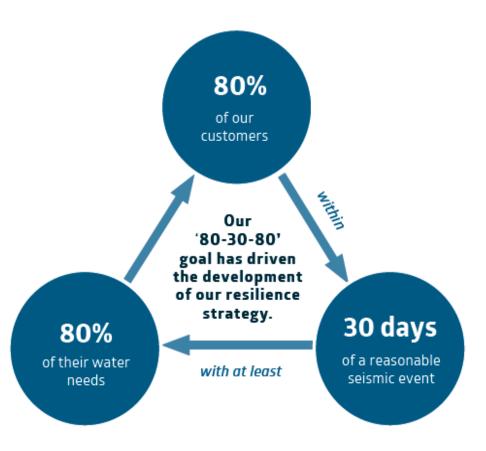
4 Treatment plants
2,913 km pipe
172 reservoirs
83 pump stations

15 to 100+ days to restore water in network





Solutions for creating resilient communities and developing a resilient water network *Wellington Region*













Get your water storage sorted now!

Have you stored enough water for your family for 7 days?



Household Resilience

Please don't forget about me!

CURRENT AVERAGE WATER USAGE PER DAY PER PERSON

220 Litres



*Such as gardening, dishwasher, baths, and leaks.

[†] Ratio's based on "Water Use in Auckland Households (EC1356), BRANZ, October 2008" **HOW MUCH WATER DO YOU NEED AFTER AN EARTHQUAKE?**

20 Litres per day

for 1 person

If you store 20 litres of water (for one person for one day), you should be able to do the following:

- Drinking
- ✓ Sponge bath
- Cooking
- Clean
 wastewater
 buckets
- ✓ Wash hands

Brush teeth

- First Aid
- Pets
- X Shower
- ✓ Dishes
- X Laundry

3 Litres per day

for 1 person

If you store 3 litres of water (for one person for one day), you should be able to do the following:

- Drinking
- X Sponge bath
- Cooking
 - ng Clean X wastewater buckets
- ✓ Wash hands
 ✓ Pets
- First Aid
- X Brush teeth
- X Shower
- X Dishes
- X Laundry



We recommend that you store enough water for your family for 7 days.

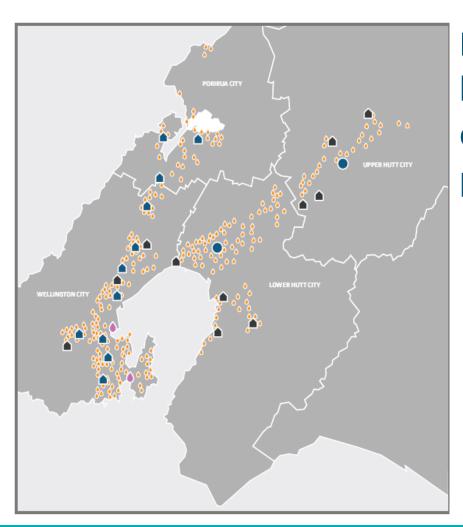






CIR - Alternative water sources





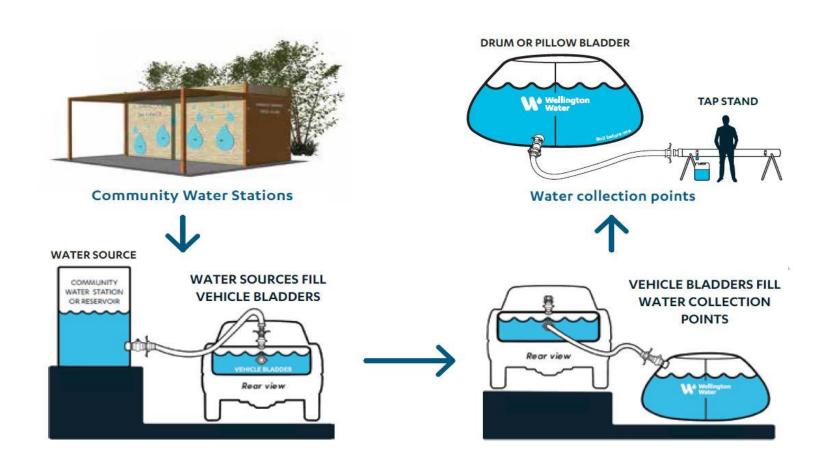
By the end of 2018 we will have an alternative emergency water network in place across the region...

- 22 community water stations
- Over 300 water bladders
- 20 litres /p/d within 500-1000m
- Desalination (timeshare)

\$6m funding from Central Government

Emergency water network











Additional Storage and strengthening of assets

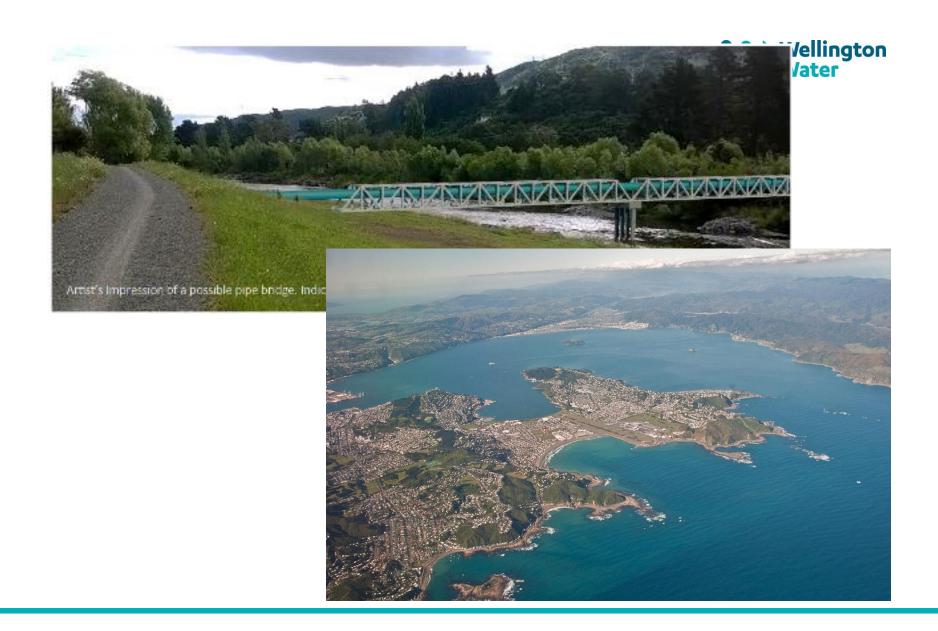






3D view of the completed reservoir on the excavated site.

our water, our future.



Our water, our future.

Wastewater vulnerability



4 catchments
188 pump stations
2,468 km pipes
Sludge to landfill
153 MLD average

