

#the BIG Water Story



Kairakau Water Supply Upgrade

Community Meeting, Sunday December 6, 2020

Kairakau Beach Campground Hall

Agenda:

- Stephanie Glenn, Engineer WSP to discuss the Post Engagement Question and Answer Document, covering five topics regarding; water hardness, roof water retention, water restrictors, plant noise and location.
- Michael Killduff, CHBDC Senior Project Manager to discuss next steps
- Questions / discussion
- Jennifer Leaf, CHBDC Parks and Recreation onsite to answer any questions regarding freedom camping, and the reinstallation of swings.

Water Hardness:

Question: Can we discharge bi-product of ion exchange into stormwater drain?

No, it is an extremely large quantity of salt discharge – it would need to go into the private sewage system pending negotiations and examination of the system's ability to hold the discharge.

Roof Water:

Question: Is it possible to have UV on every property to decrease the risk of contamination?

This could be a worst case scenario option in case Council cannot find a way to upgrade the current system to Drinking Water Standards. Would need to determine cost and upkeep factors.

Question: Has there been history of contamination or residents getting sick from the current roof supply system?

This is a very unusual system – usually residents would have either a Council supply OR roof supply. Only a couple of other locations have a similar system. Council is still investigating how the ongoing use of two supplies would work with the due to be updated NZ Drinking Water Standards.

Water Restrictors:

No questions.

Plant Noise:

Question: How loud would the plant be and would it be a constant hum?

#the BIG Water Story



The plant will have to meet noise compliance levels. Because the plant will be housed in a container, the sound pollution would be very minimal. Council would be happy to take any concerned residents to the newly finished Porangahau plant to get a feel for the noise level. Additional measures can also be fleshed out during the design phase such as the position of the doors, sound proofing, insulation and barrier planting.

Plant Location:

Question: There has been some large events on the reserve, will these be able to continue?

If the plant is to go onto the proposed reserve space, it is likely events will be able to continue as the equipment will be housed in a container with barrier planting and be fully secure.

Question: Is there security of the current water source and bore?

Council has found we can take 1-2 L a minute before we start to see a draw back and lack of resilience. Council is currently researching alternate options for future resilience but at the current usage the water take is sufficient for demand.

Question: Is Council aware that the current water pipe goes through the middle of many front row homes and that the current pipe is very rusty?

Council does have budget to upgrade some pipe where needed. This may be a phased approach. Council will also be investigating asset management for the long term maintenance of the supply. Pipe is visible in some points and will need to go below ground to keep the supply secure and to meet drinking water standards.

Question: How are negotiations going with the trust who own the current site going to be able to open up the potential for the plant to stay in its current location?

We are still in the early stages of conversations. The current lease does not protect Council from losing the site which is a major risk when updating the infrastructure in this location.

Next Steps:

- Council is still investigating options that have become possible during the engagement phase, such as leaving the plant in its current location.
- The next step is for a paper to be drafted and presented to Council with the updated options, which the Mayor and Elected Members will then vote on according to various criteria, including risk, cost, ease of access, community and iwi feedback, capital and apex costs.
- Council will be looking to pencil in another community meeting for February 2021 – Sunday morning seems to be best timing for most.