

Journey to Success

Raetihi Water Treatment Plant Upgrade



The Ruapehu District ... where adventure begins



Raetihi Township

- Diesel spill event - September 2013
- Contamination to the Makotuku River
- Drinking Water Supply interrupted for 21 consecutive days
- Population: 750

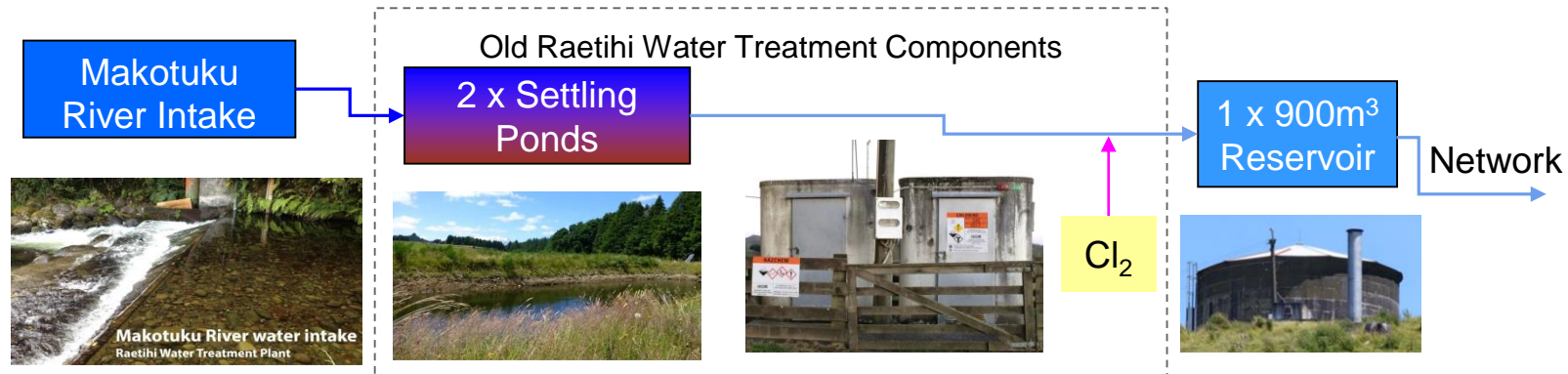


The Journey

- Preliminary Design
 - Funding / Subsidy Application
 - Community Engagement
 - Project Delivery Strategy
 - FEED (Front End Engineering Design)
 - Procurement Plan
 - Detailed Design + Peer Review
 - Construction + Auditing
 - Community Open Day
- 

Drinking-water subsidy

- Capital Assistance Funding to help small, disadvantaged communities establish or improve their drinking-water supplies
- Up to 85% of the cost could be subsidised for communities with high deprivation
- Excluded asset replacement
- Excluded land purchase



Community Engagement / Consultation

Performance	Conventional	Membrane
Contribute to DWSNZ compliance (required log credits for protozoal removal)	😊😊😊😊😊	😊😊😊😊😊
Cope with raw water TSS (Total Suspended Solids) fluctuation	😊😊😊😊	😊😊😊😊😊
Cope with natural organic matter such as humic acid rich water	😊😊😊	😊
Life time of key components	😊😊😊😊😊	😊😊
Power consumption	😊😊😊	😊😊😊
Chemical consumption	😊😊😊	😊😊😊
Ease of operation & maintenance	😊😊😊😊	😊😊😊
Wastewater production	😊😊😊😊😊	😊😊😊😊
Footprint	😊😊😊😊	😊😊😊😊😊
Capital cost	1.00	1.15
Operation & maintenance cost (over 20 years)	1.00	1.21

Collaborative Delivery Approach



Ministry of Health

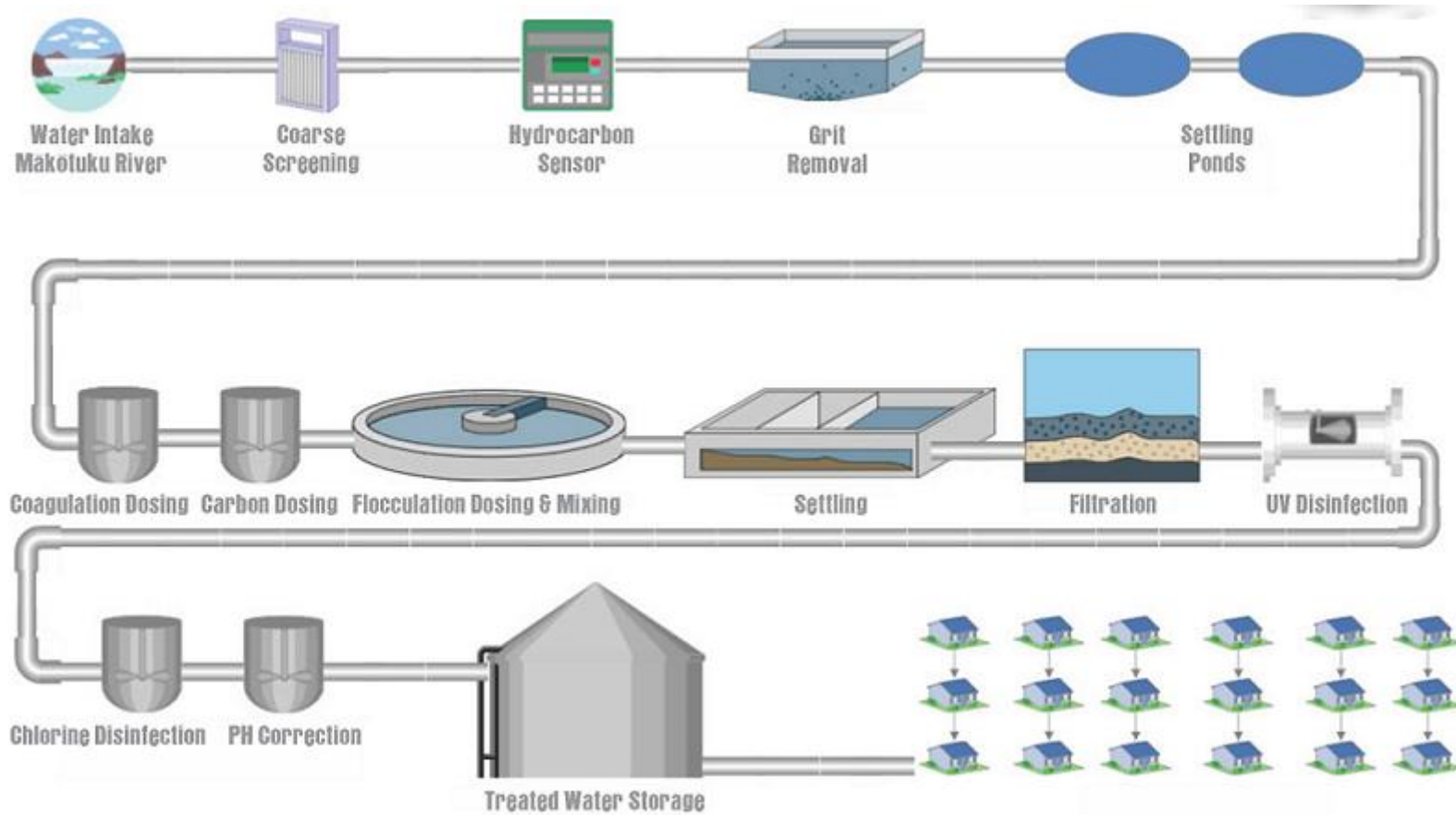
RDC

Veolia

Project Delivery

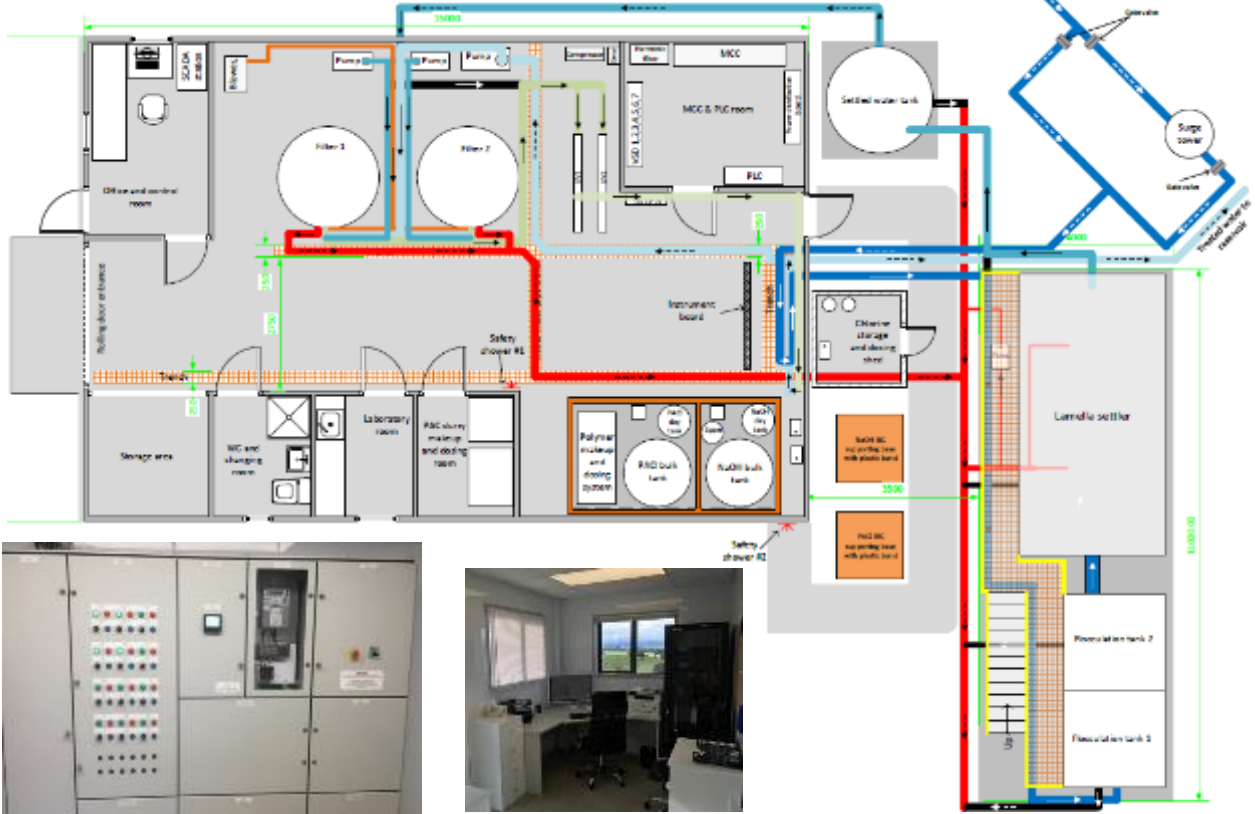
- Preliminary Design
- Subsidy Application / Funding
- Community Engagement
- Project Delivery Strategy
- FEED (Front End Engineering Design)
- Procurement Plan
- Detailed Design + Peer Review
- Construction + Auditing
- Community Open Day

Upgraded Raetihi Water Treatment Plant



Civil Works





Raetihi Water Treatment Plant Community Open Day & Site Visits

Sunday 5 August
@ the Raetihi Community Space
from 1pm

FREE shuttles for the escorted Site visits will be leaving from the Space between 2pm & 4pm

The mahi is complete & it's time to come together & celebrate Raetihi's new \$2-million Water Treatment Plant!

Keen to learn about the latest technologies now being used to keep Raetihi's drinking water clean? Interested in hearing more about the upgrade to a 9-stage treatment process from the old 3-step one or the security of your supply?

The Raetihi Community is invited to join Ruapehu District Council & contractors Veolia in celebrating this long-awaited water supply upgrade

Please note that the Raetihi Water Treatment Plant is located in a Restricted Area & access to the Site can only be made on the day by using the FREE shuttles which will leave the Raetihi Community Space @ 42 Sinden Street between 2pm & 4pm



For transport & catering purposes, please RSVP by Thursday 2 August at 3pm through:

- Phoning the RDC Raetihi Office on 06 385 4447
- Registering at the RDC Raetihi Office on the corner of Sinden and Duncan Streets
- Registering at the RDC Ohakune Office at 37 Ayr Street
- Emailing info@ruapehudc.govt.nz (attention: Mary Shepherd)



Community Engagement

- ❖ Local Iwi
- ❖ Raetihi Community
- ❖ Councillors
- ❖ Council Staff
- ❖ Veolia Staff



Journey to Success

Raetihi Water Treatment Plant Upgrade



The Ruapehu District ... where adventure begins

