

The background is a composite image. On the right, a woman's face is shown in profile, looking towards the left. Her hair is blonde and appears to be blowing in the wind. Overlaid on her hair is a large, stylized flower with multiple petals, each containing intricate geometric patterns in shades of blue, green, and brown. The entire scene is set against a backdrop of soft, painterly waves in various shades of blue and green, suggesting a coastal or aquatic environment.

Wastewater Management Proposal

19 May 2020

Tatau tatau - we together

Waste Water network issues throughout New Zealand



Between 70 and 80 per cent of Taupō's wastewater poured into Lake Taupō. Photo / Helicopter Services

Taupō

A 'tsunami of faeces' is overwhelming Wellington's urban streams

oel MacManus · 10:56, Feb 14, 2020



Wellington

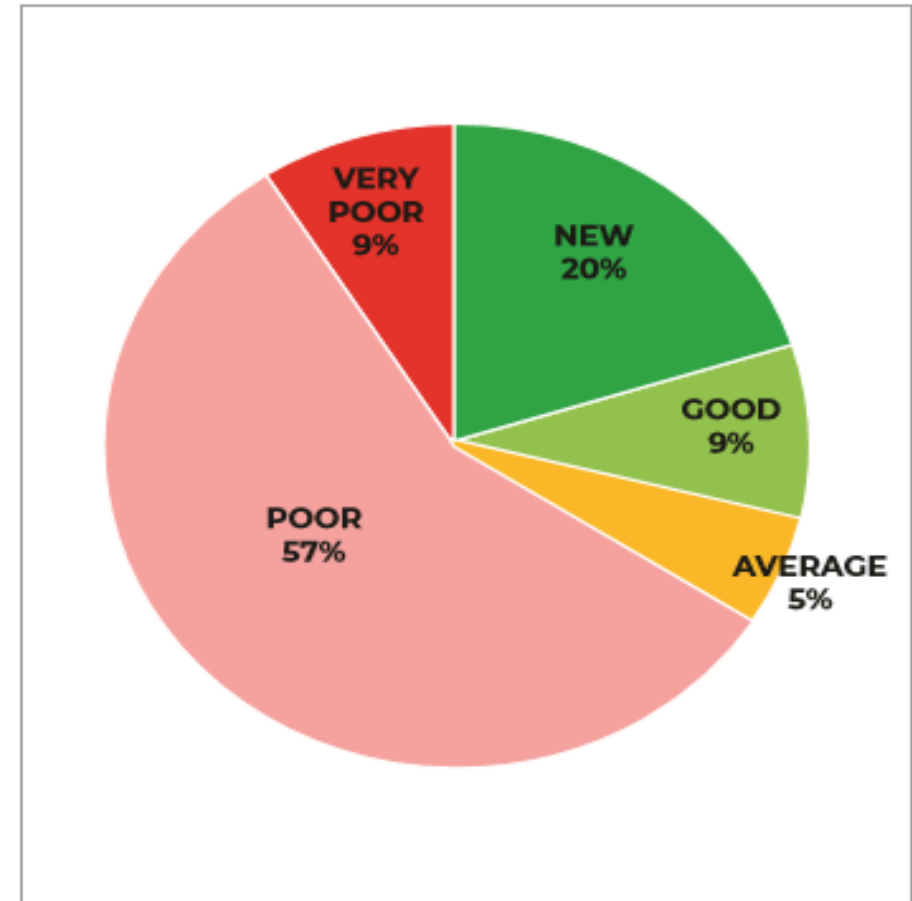


Nelson

Our Waste Water Network

- Network development (historical)
- Current network – condition & performance status
- Growing – pressures & challenges

Item	Quantum
Gravity Mains	450 km
Rising Mains (excl. low pressure sewer system local reticulation)	55 km
Conventional Pump Stations	87
Low Pressure Grinder Pump System Pressure Pipes	105 km
Low Pressure Grinder Pump Installations	1,350 +
Manholes	7,900
Connections	24,000 ++ (multis)



Our Current Waste Water Risks

1. **Ageing network.**
2. **Growth demand** (expanding community/additional networks/more assets and more complicated treatment/management technology – **through current Network**).
3. **Increasing compliance** bar on environmental/cultural impacts standards.
4. **Moving out of Forest** necessity – Point of discharge quality.
5. **Fragile/Non-resilient workforce** (60% of critical staff at retirement age).
6. **Climate change** unpredictability inflow & infiltration impacts/risks to statutory compliance.
7. **High degree of uncertainty in long term financial forecast** (Age of infrastructure & our local geothermal conditions – Shock Events - Abatements).
8. **New government policy/regulations** for all waters.
9. **Growth aspirations** can only be founded on stable/reliable core services.

The district
faces &
needs to
address.....

Waste Water Services Key Procurement Objectives (2018 – Date)

- **Network stability/reliability/safety/resilience/statutory compliance.**
- **Access to expertise/competent skills and planning advice.**
- **Operations staff development opportunities**/RLC focus more on enabling growth outcomes less on networks fire fighting.
- **Long term cost effectiveness and predictability** – minimise uncertainty and contain risk to – credible balance.
- **Reliable service risk management** – with a party that is best fit to address known and emerging service risks – contractually bound.
- **Meaningful lwi engagement opportunities** – at all levels.
- **Council retention of strategic policy decision, asset/ownership.** RLC remains the service Lead Agent.

Waste Water System Management Lead Roles

- Setting level of service for waste water **(RLC)**
- Ownership of Resource Consents **(RLC)**
- Monitoring adverse impacts on the community **(RLC)**
- Control and ownership of public assets **(RLC)**
- Impose fees or charges on the community for waste water services **(RLC)**
- Strategic management of the waste water network and services **(RLC)**
- Monitoring service delivery and Master Planning **(RLC)**
- **SERVICE DELIVERY to achieve Council agreed LOS** (this proposed contract)

Proposed Contract Due Diligence

Expert advice from:

- **Legal** (*Lane Neave*)
- **Procurement** (*Morrison Low*)
- **Technical** (*Motts McDonalds*)
- **RLC Infrastructure staff**

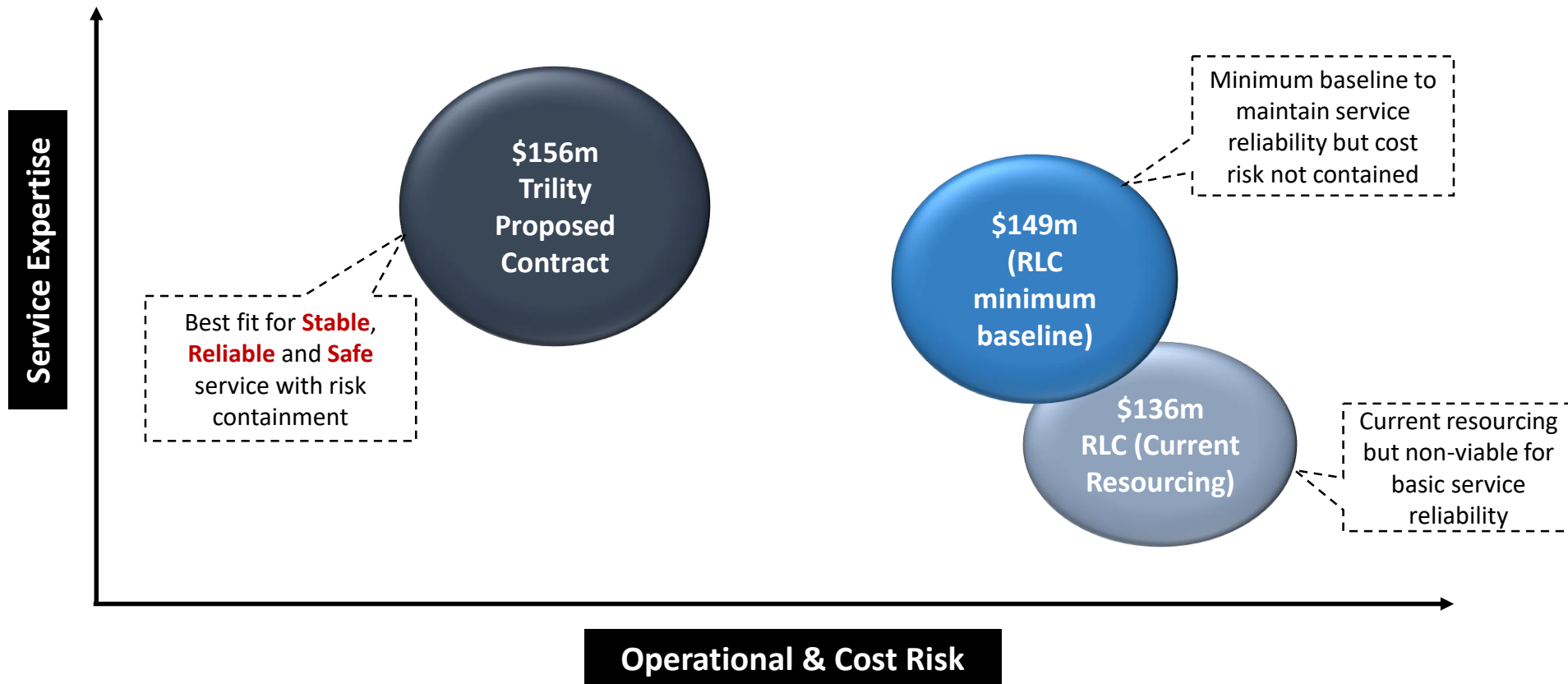
Commercial Risk Attribution/Verification:

- **Deloitte**

Waste Water Operating Cost Summary

(Total for 10 years from 2020/2021)

“Stable, Reliable, Safe”



Note: Totals shown can be expected to change over 10 years. Year 1 of Trility contract is calculated using an estimate for inflation at this time. Other drivers may impact on totals

Questions