

Overview

WWL efficiently delivering a safe, reliable, resilient and fit for purpose Waimea Community Dam

- ✓ Construction: Embankment and spillway nearing completion. ~70% complete
- ✓ Design: Adapted to geological conditions. Above and below spillway
- ✓ No serious harm injuries and full compliance with resource consent requirements.
- Project further delayed
- Further cost pressures largely driven by delay and M&E / diversion works
- Contractor initiated dispute escalation





Progress Update: Embankment and concrete face

- ✓ Completed embankment in Dec 2021
- ✓ Completed concrete face in May 2022
- ✓ Installing pre-cast parapet wall. Expect to complete July 2022
- Installing dam face pipes July 2022 (delayed). Expect to install winches and screens during 3Q2022.



Progress Update: Spillway

- ✓ Largely complete spillway during June / July 2022.
- Ogee-weir, new approach-apron over shear zones and new downstream cut-off walls during 2H2O22





Mechanical and Electrical

M&E costs continue to escalate with inflation and implementation due to provisional sum nature

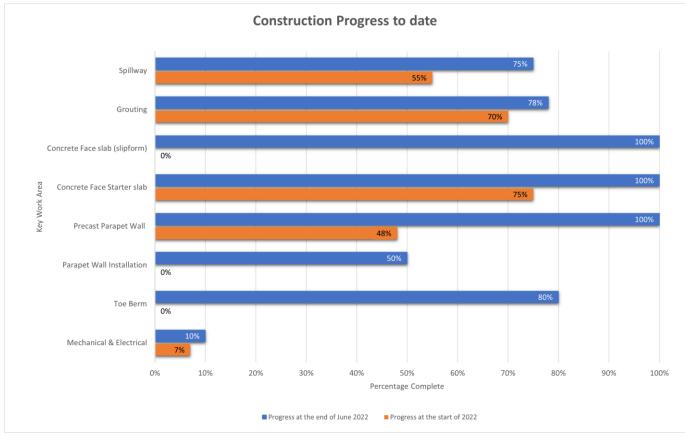
- Undesigned, unpriced and uncontracted at funding and contract award
- Cost and delay pressures
- Most materials (stainless steel, HDPE, GRP, valves, winches) now in Brightwater
- Contractor's programme to install works is significantly longer than plan





Progress Update: ~70% complete

- Resource and productivity challenges
- COVID related loss of staff (~7000 manhours) and delays



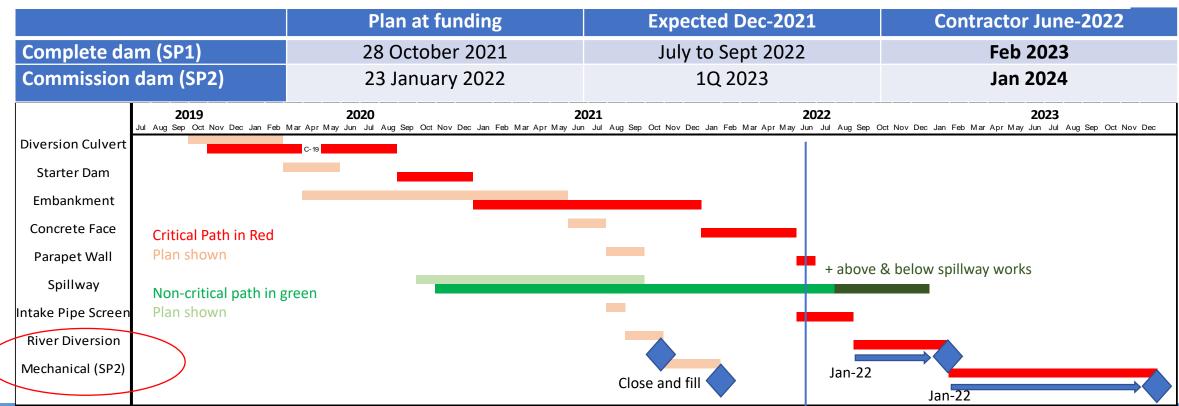


Programme Delay

Contractor advised in 2Q2022 of further delays: Close and fill reservoir Feb 2023 after 2nd summer missed

- Falling resourcing (#) and productivity (\$ / month)
- Loss of workforce to COVID-19 restrictions (~7000 hours)
- Large and concerning prolongation of river diversion (X3) and mechanical works (X4) (addressing)

WWL investigating options to mitigate delays. Potential for some recovery.



Cost forecast

Events since Feb-21 SOI Cost

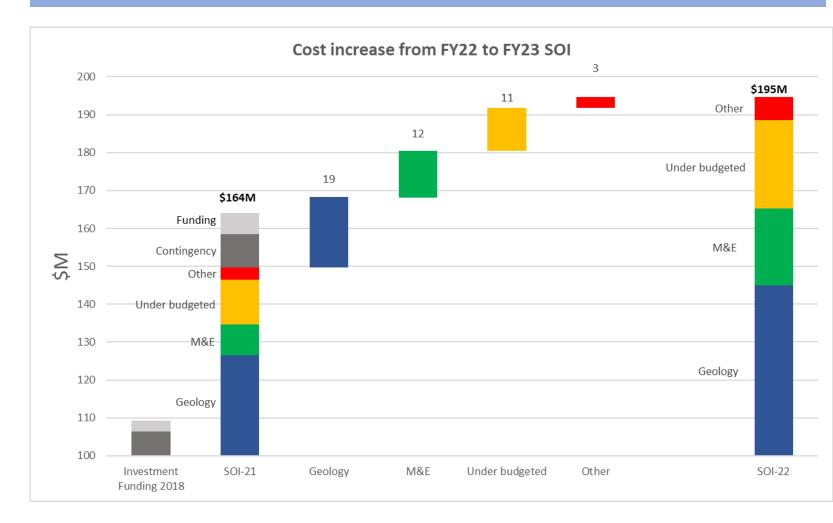
Feb-2022: \$185M + risk

- Approach shear zones
- Plunge pool + shear zones
- Grouting & foundation treatment
- M&E costs

June-2022: \$195M + risk

- Delay risk based on Contractor forecast
- Further M&E / River-Diversion costs
- Geology largely as contemplated
- Excludes unquantifiable risks (excessive weather; disputes)

Expect \$195M excluding un-quantifiable risks



Cost forecast

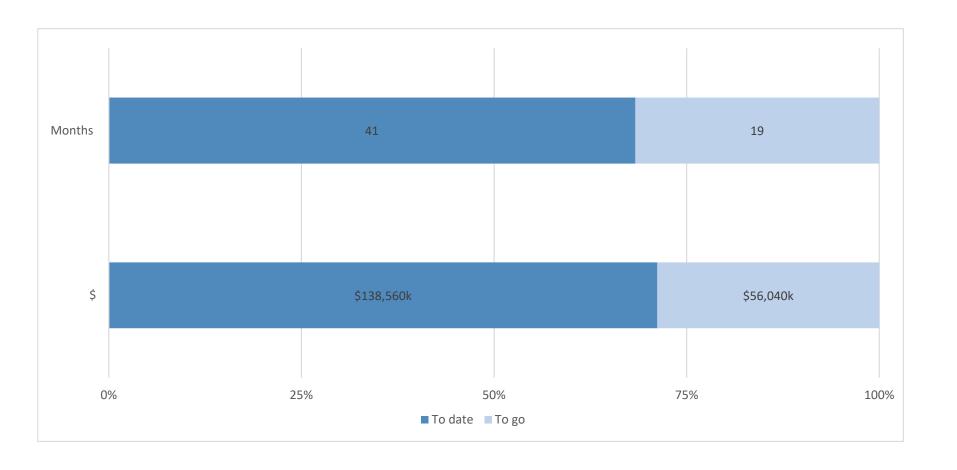
S-Curve



Funding source and use



Progress and Funding: ~ 70% complete



Residual Risks

- Project cost based on currently known costs and risks
 - Reasonable estimate of known risks and trends
 - Based on Contractor's forecast delays, prior to mitigation / recovery
- Cost forecast excludes un-quantifiable risks / unallocated contingency
 - COVID-19 impacts
 - Excessive-weather
- Implementing river diversion
- Further delays (procurement / delivery)
- Contractor claims and dispute costs

