

Waimea Community Dam

Te Kurawai o Pūhanga

22 June 2023

Waimea Water

Overview

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

- ✓ Construction: Dam and spillway completed. River diverted. ~**90%** complete
- ✓ Commissioning: Closed reservoir 26 May 2023 and operating temporary facilities.
- ✓ No serious harm injuries and full compliance with resource consent requirements.
- ≈ No further change to **\$198.2M** cost forecast.
- ≈ No further change to proposed Operating budget. Mitigating insurance increase.
- ❖ Project delayed with QA work. Expect **Nov / Dec 2023** completion

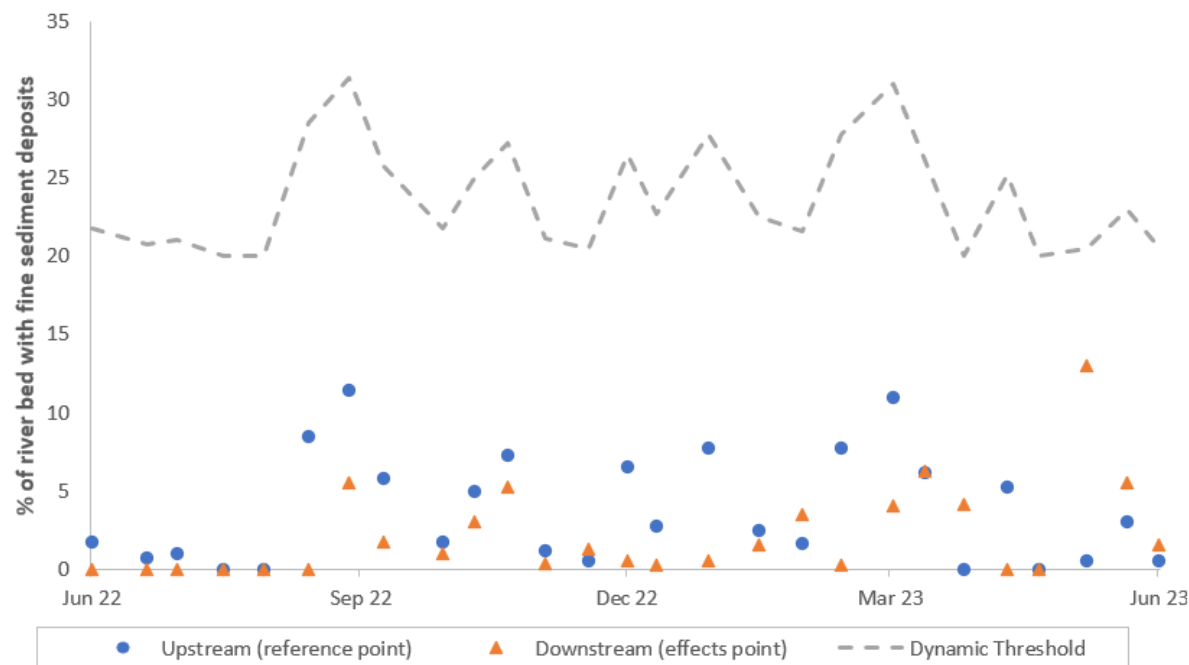


H&S and Environment

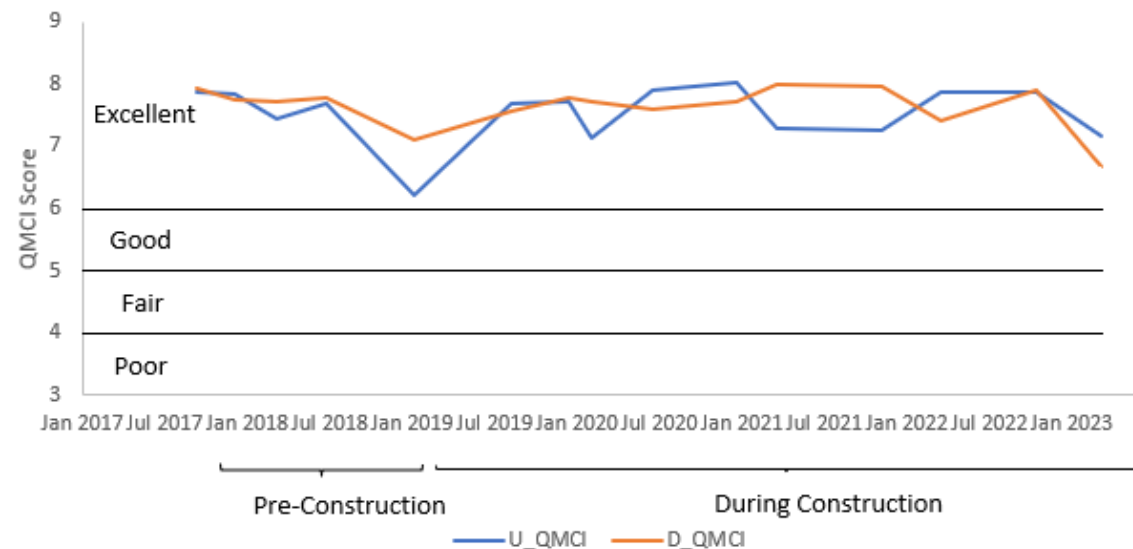
Contractor, Fulton Hogan Taylors, continues strong Health, Safety and Environmental performance (TV1 didn't get the story quite right)

- ✓ No lost time injuries on the project to date (1600 days)
- ✓ Continuous monitoring, auditing and adjusting for changing site risks.
- ✓ Full compliance with environmental requirements of consent. Excellent water quality.

Lee River deposited fine sediments



Lab Results: Lee River Quantitative Macroinvertebrate Community Index (QMCI) scores



Progress Update: First Practical Completion (SP1): 26 May

- ✓ Recall that completed dam and spillway in October 2022
- ✓ Closed 1st / LHS culvert in October 2022 to install the temporary river diversion pipe
- ✓ Contractor awarded Practical Completion of Dam & Spillway (SP1), PS-4 / TDC sign-off 26 May 2022
- ✓ Closed the 2nd / RHS culvert and reservoir 26 May 2022 (3 month delay)



Overview: 90% complete

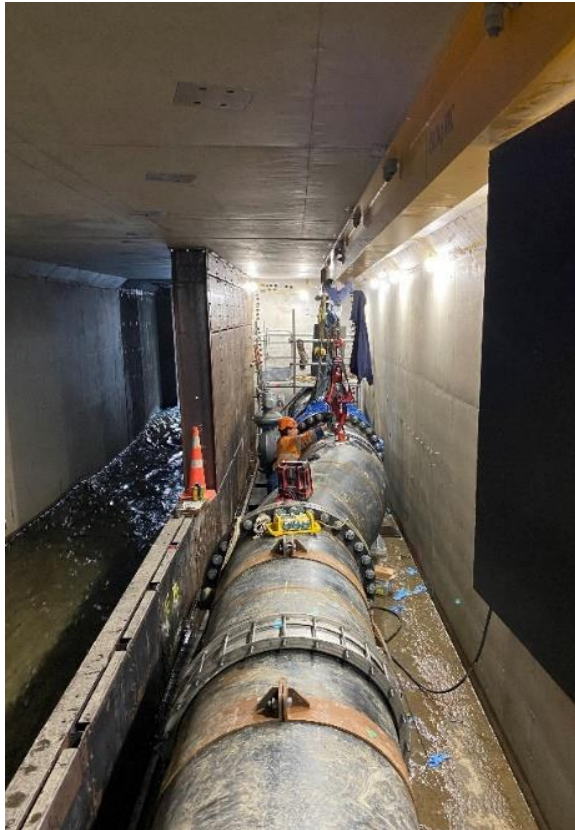


Progress Update: Temporary River Diversion Jan-May '23

- ✓ Installed temporary river diversion pipe (steel and HDPE) in LHS culvert:
- ✓ Installed and commissioned external pipe, closure:
- ❖ Diversion and closure delayed to complete Contractor QA

10 March 2023

~ ~~1 May~~ 26 May 2023



Progress Update

- ✓ Spillway approach apron completed April 2023: Protection from shears
- ✓ Now holding reservoir at RL 160m (10m up) until install 2nd valve in July 2023
- ✓ Controlling reservoir level and release through temporary pipe / valves / SCADA



Plan: 2nd (SP2) period to Dec 2023

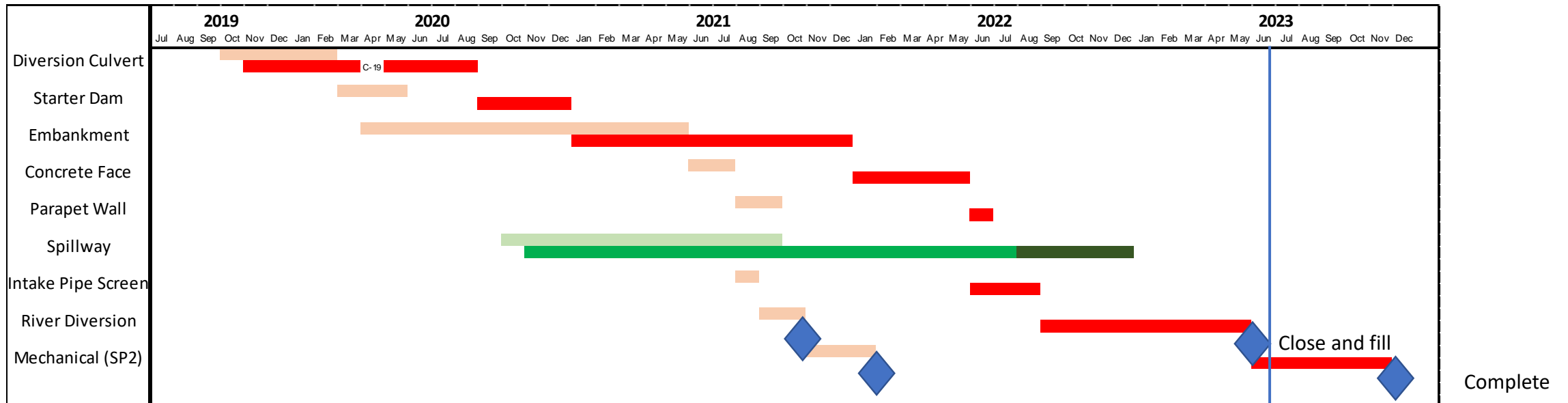
- Mechanical and electrical works: Pipework, valves, controls in culvert
- Control room fit out: Electrical, controls, SCADA
- Plunge pool and treatment of shear zones
- Fill reservoir in stages to assess dam performance (standard engineering / commissioning)



Programme Delay

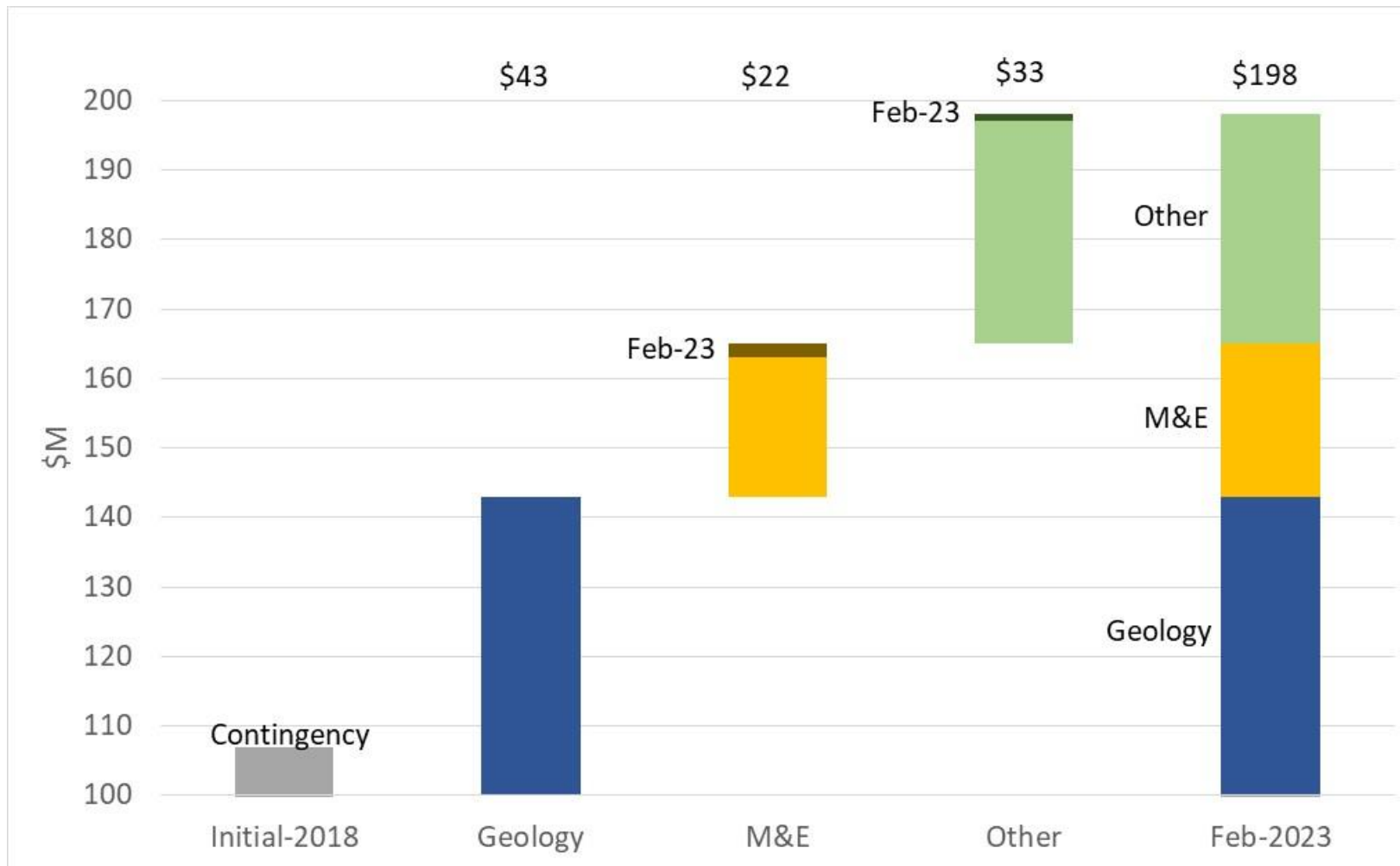
- ❖ Closed the reservoir (SP1): 26 May 2023, 19 months behind original plan (14 months late).
- ❖ 2 month delay to complete Contractor QA documentation (dam-safety sign-off / PS4) & TDC Code of Compliance.
- ❖ Practical Completion delayed until Dec 2023, 23 months behind original plan.
- ✓ Expect reservoir to be full and providing service for 2023 / 2024 summer season (subject to weather)

	Plan at funding	Current Plan
Complete dam & close (SP1)	28 October 2021	26 May 2023 <small>ACTUAL</small>
Commission dam (SP2)	23 January 2022	November 2023 December 2023

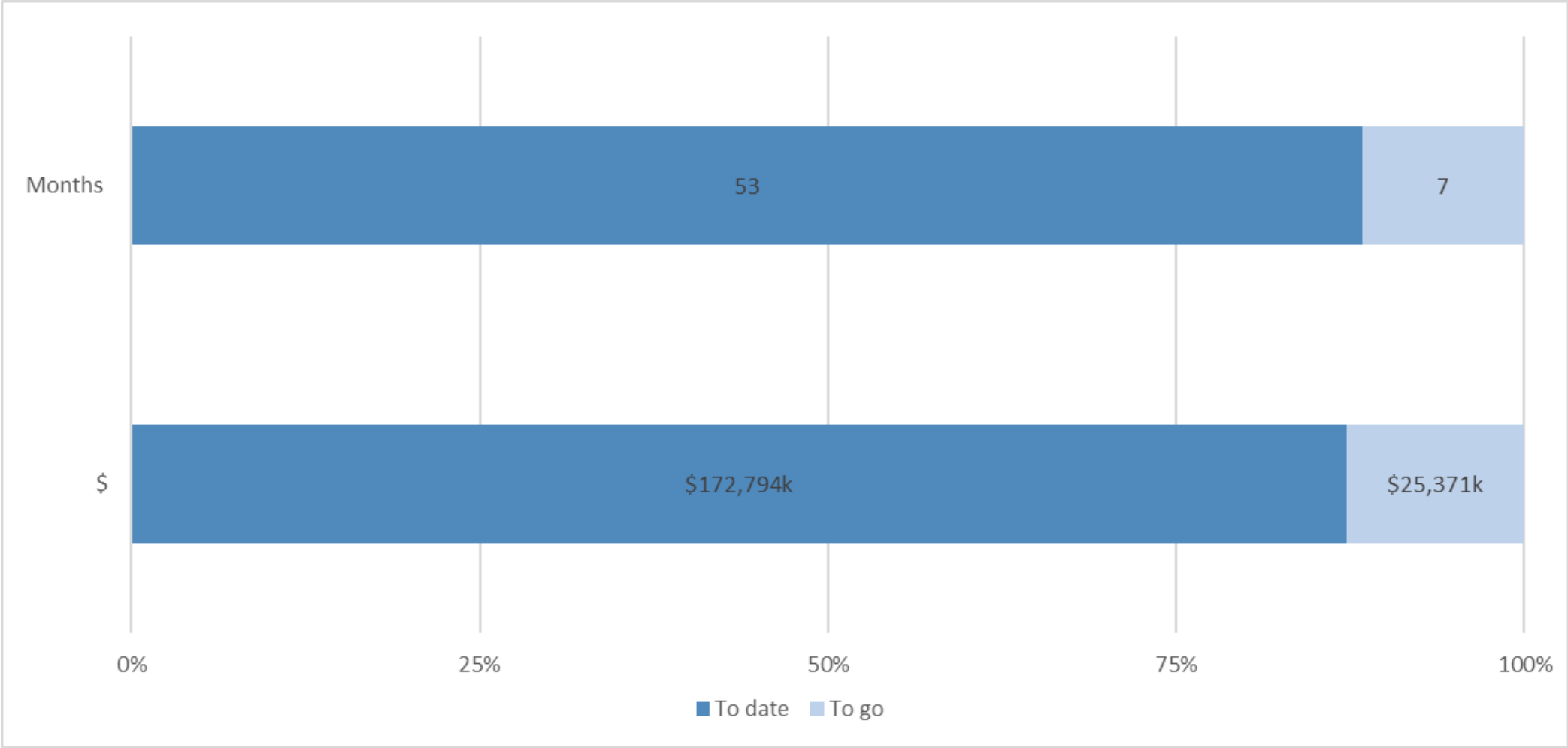


Cost forecast: \$198M: No Change since Feb-23 forecast

Expect \$198M excluding un-quantifiable risks

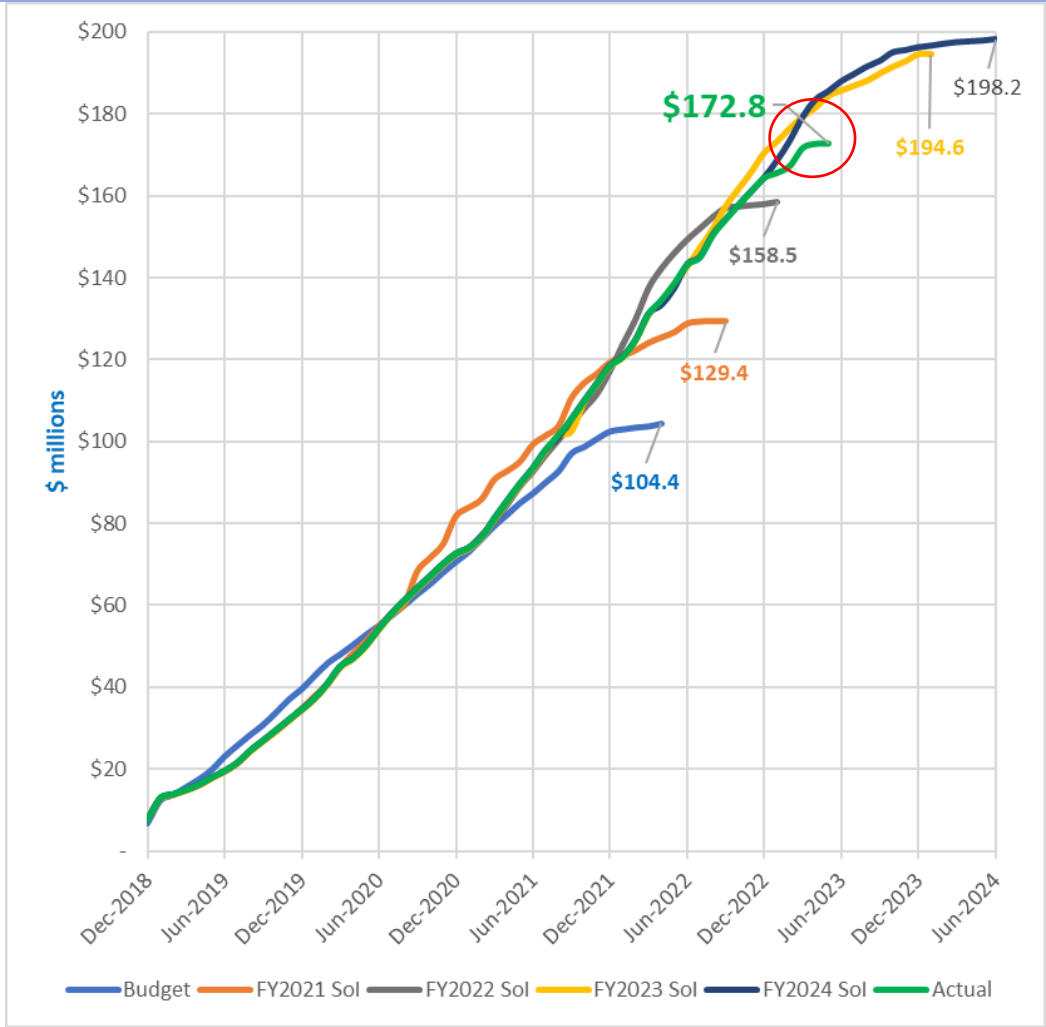


~90% complete: 7 months and \$25M remaining

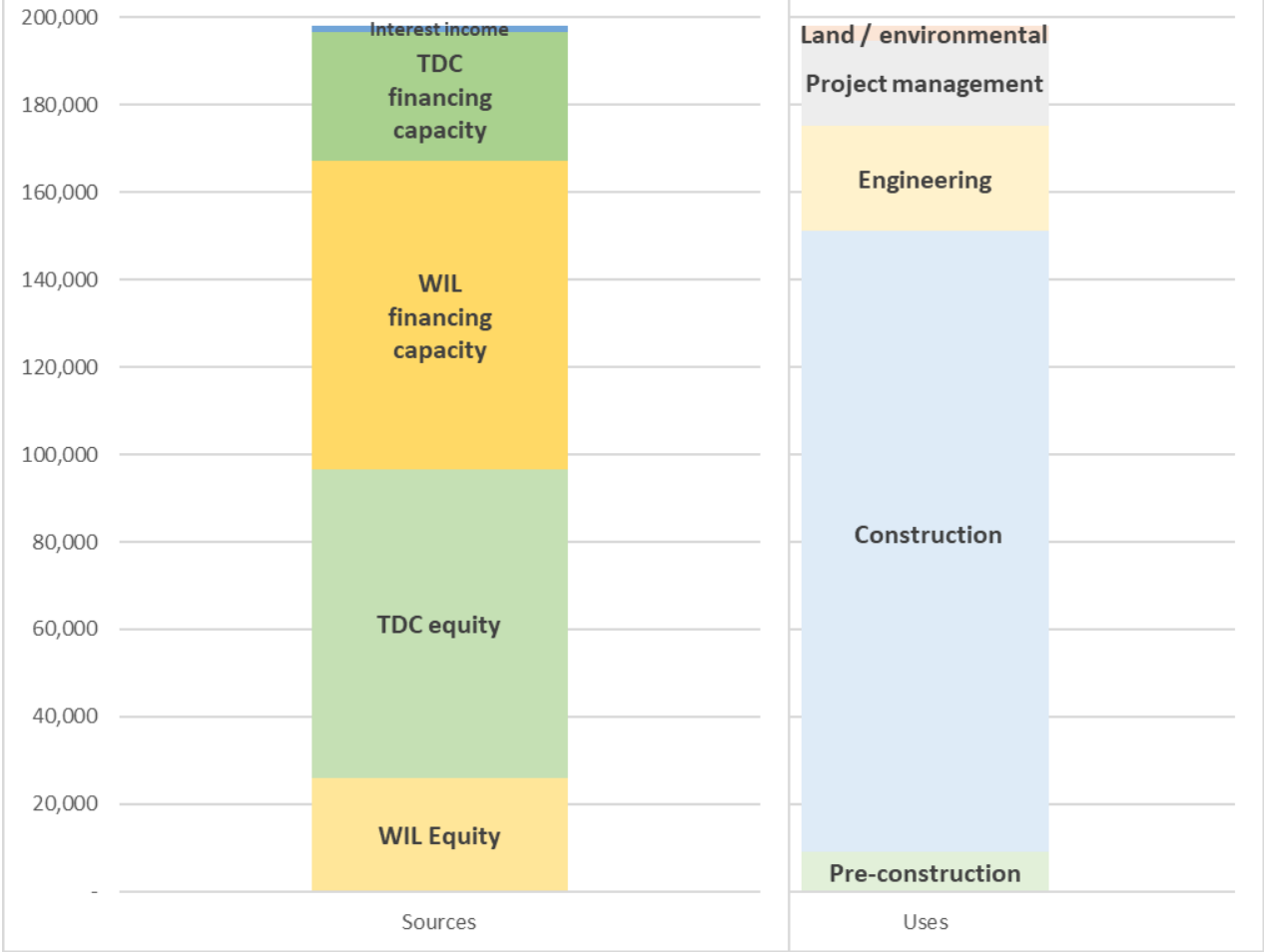


Cost forecast

S-Curve: \$173M / \$198M spent



Funding source and use



Residual Risks

- ❖ Project cost based on currently known costs and risks
 - Reasonable estimate of known risks and trends
- ❖ Residual risks now mainly commercial / contractual
 - Ongoing unexpected Contractor claims
 - Contractor disputing decisions of Adjudicator and Independent Engineer
 - Disputes elevated to final and binding arbitration
 - WWL planning for 2+ years of dispute. Preparing.



Thank You. Q&A

Waimea Water Ltd Quarterly Report

31 March 2023



Statement of Intent 1 July 2023- 30 June 2024

STATEMENT OF INTENT

1 July 2023 – 30 June 2024

VERSION: FINAL 30 June 2023



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❖ 3Q report published 29 May 2023

❖ Final SOI

❖ Richmond Mall shopfront – returning late 2023?