

Te Moana Water Supply Scheme Upgrade

Progress Report – Issue 5 – 10 July 2023

BACKGROUND

Timaru District Council provides the Te Moana Water Supply Scheme which supplies drinking water to approximately 700 properties. It is a rural, trickle-feed scheme installed in the 1970s. The existing water supply was not fully compliant with the Drinking Water Standards for New Zealand (DWSNZ) 2008 (Revised 2018) as it was unable to manage turbidity (i.e. silt/cloudiness) or inactivate protozoa. The former intake was outdated and remote from an electricity source, and the supply had reached its capacity. Pipeline upgrades and new booster pump stations we' re also proposed as part of this project. Together, these upgrades bring:

- increased water allocation and potential expansion.
- more reliable water quality and quantity in times of high river flows with stored treated water and standby electricity generation.
- maintained pressure to the higher elevation consumer tanks.

Note: The design and build contract for Te Moana Water Treatment Plant secured Three Waters Stimulus Funding (with co-funding from Te Moana Water Supply) of \$800,000.

OVERVIEW

The upgrade of Te Moana Water Supply Scheme was approved in the 2021-2031 Long Term Plan and is now in the **construction phase**. The project comprises three contract work packages and booster pump station projects as listed below:

- Contract 2497 - Pleasant Valley Water Treatment Plant
- Contract 2513 – Pleasant Valley Treated Water Reservoir
- Contract 2473 – Pleasant Valley Te Moana watermain renewal.
- New booster pump stations in Wooding Rd and Tripp St.

RECENT PROGRESS

- Practical completion had already been issued for the treated water reservoir in mid-2022.
- The new Te Moana water treatment plant was successfully and commissioned in December 2022, allowing us to remove the precautionary boil water notice.
- Pleasant Valley watermain renewal is also complete, new pipelines have been commissioned and are working well.
- The Wooding Street booster pump station is completed.
- The Tripp Street booster pump station shed is constructed. Mechanical, civil and electrical installation is outstanding. This is expected to be complete by the end of the year.
- Open Day at the water treatment plant for scheme customers was held 8 July 2023 and was well attended.

PROJECT TEAM

Project Sponsor: Grant Hall **Project Lead:** John Clemens (Tripp St pump station)

PROJECT FINANCIALS

Total LTP 2021-2031 Budget - \$6.55M*

*(inclusive of \$2.69M of reticulation renewals and upgrades from 2022/23 onwards.)



\$4.4M spent for work completed
up to end of June 2023

100% Design
98% Construction
Completed

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PROJECT STATUS

	Water main	Pump Stations		Water Treatment Plant		
		Wooding Rd	Tripp St	Intake	Treated Reservoir	Treatment Plant
Prelim. Investigations	✓	✓	✓	✓	✓	✓
Consenting	✓	✓	✓	✓	✓	✓
Design	✓	✓	✓	✓	✓	✓
Procurement	✓	✓	✓	✓	✓	✓
Construction	✓	✓		✓	✓	✓
Commissioning	✓	✓		✓	✓	✓

	Not started
	In progress - on schedule
	In progress - behind
	Warning
	Awaiting Sign-Off
	Completed

PROJECT RISKS

RESOURCING – Some constraints on staff availability as they are stretched across multiple high-priority projects with several vacant positions in the Drainage & Water Unit. This is being managed but may cause slight progress delays.

WEATHER – There is potential for delays in civil works due to inclement weather recently as is common over the winter period.



Good attendance at the Pleasant Valley Water Treatment Plant Open Day



Reservoir