

Property & Infrastructure Activity Update

Infrastructure Committee Workshop

28 November 2024

TODAY WE WILL...

1. PROVIDE YOU WITH AN UPDATE

- Projects underway/starting soon
- Recently completed projects
- Other workstreams of interest
- Significant projects in the pipeline

2. DIVE DEEPER ON A FEW PROJECTS

- Upper Clutha Wastewater Conveyance Scheme
- Project Shotover Upgrade
- Kingston 3W Schemes

3. GATHER YOUR FEEDBACK

- What did you like about today's update?
- What wasn't so good?
- How can we improve our next update to you?

**REFER A3
HANDOUT**

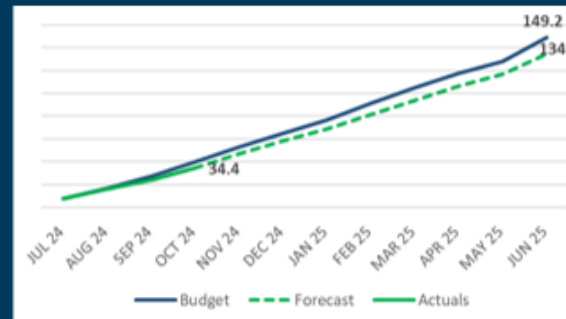
INFRASTRUCTURE COMMITTEE | Property & Infrastructure Activity Update (Nov '24)

The Property & Infrastructure directorate is advancing a range of planning, behaviour change, and physical works initiatives of interest to the Infrastructure Committee. Key initiatives are outlined in these A3 summaries. Format and content will be refined in response to Committee feedback.

Three summaries have been prepared:

- District-wide (this page)
- Whakatipu
- Upper Clutha (information also provided to the WUCCB)

The directorate's year-to-date capital expenditure performance is included to the right. YTD spend (at Oct) is \$34.4M (86% of forecast). Forecast FY25 spend is \$134.5M vs the approved adjusted budget (incl. carry forwards) of \$149.2M.



P&I CAPEX 2024/25
ACTUALS vs BUDGET
(as at Oct 2024)

ALL OF DISTRICT

RECENTLY COMPLETED

- Healthy Homes Upgrades
- Campground Compliance
- Building Management System

LOOKING AHEAD (FY28 & BEYOND)

- Emergency Operations Centre (FY29)
- Jetty Refurbs & Replacements (FY28-33)
- Strategic Land Acquisition (FY32-34)
- Campground Upgrades (FY32-34)
- Solar energy conversion – QLDC facilities (FY32)
- Product Stewardship – Waste Minimisation (FY32-34)
- Biosolids Disposal (FY30-34)

OTHER ACTIVITIES OF NOTE

- Water Services Delivery Plan
- Asset Management Planning
- Infrastructure Resilience Strategy

WORK UNDERWAY OR STARTING SOON (FY25-27)

PROPERTY

- **EV Charging Stations for QLDC Fleet** (FY25-27) – additional charging infrastructure to be installed at QEC site early 2025, with further sites to be prioritised and procured through to mid 2027.
- **Seismic Strengthening & Minor Improvements** (FY27) – project to assess status of QLDC buildings and corresponding minor improvements as identified/required, on hold pending initiation prior to forecast expenditure in FY27.

TRANSPORT

- **Crown Range Resilience** (FY25-26) – project to respond to slope instability on the route being scoped. 76% FAR from NZTA for this project.
- **Transport Model Build** (FY25-26) – specification being developed, target to-market timeframe of Apr 2025.
- **Travel Demand Management** – policy review underway and due for completion Dec 2025, next project in scoping (wayfinding). Lightfoot Initiative will deliver a range of TDM outcomes such as workplace and school travel planning, activation events, and an electric bike library.
- **Parking Management Plans** – Strategy and Guidelines to be presented for endorsement at the March Infrastructure Committee meeting.

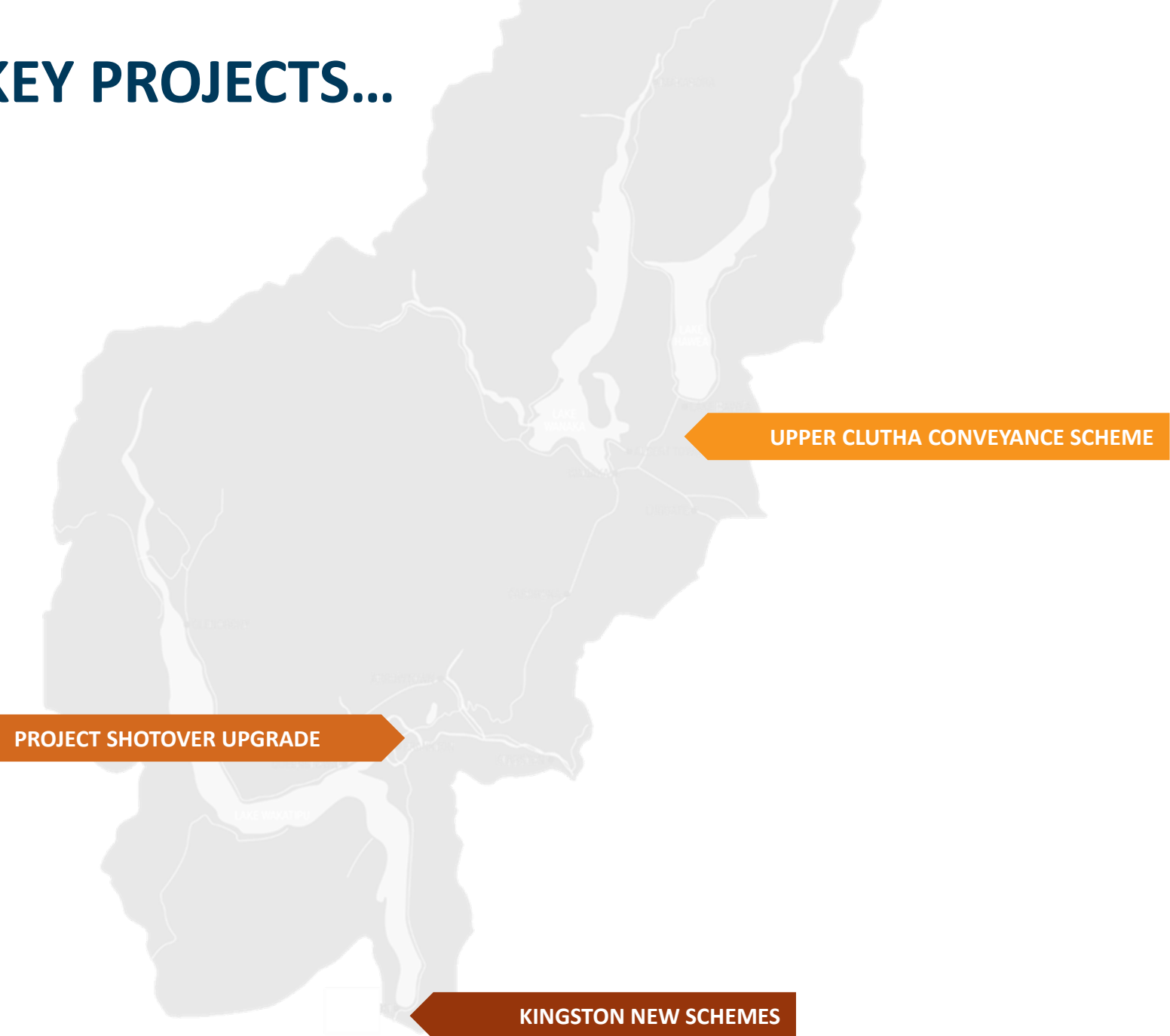
THREE WATERS

- **Telemetry/SCADA Improvements** (FY25-26) – Project focused on phased replacement of the end-of-life Powerlink SCADA platform (moving to AVEVA System Platform) and also testing the current communications network approach. Currently developing revised electrical and control standards, and implementing the new standard across the Lake Hayes scheme as first 'cab off the rank'.
- **Water Demand Management** (FY25-32) – Water Demand Management Plan to be updated early 2025, informing the Water Services Delivery Plan and scope/programme for implementation of district-wide demand management programme budget.
- **Wastewater and Water Supply Level of Service Performance Upgrades** (FY26-34) – network needs assessments underway district-wide, following which a prioritised programme of LOS improvement projects will be developed.
- **Masterplanning** – stormwater catchment modelling updates complete, wastewater and water supply model updates and network needs assessments underway.
- **Water Services Delivery Plan** – first draft nearing completion with an update to be provided to Council early December.

WASTE

- **Kerbside Food & Green Waste Collection** (FY25-26) – procurement activities to support introduction of new service in 2027 (dependency of processing facility being planned by CODC).
- **New Materials Recovery Facility** (FY25-30) – interim out of district service arrangement being explored while local solution developed and delivered in parallel. Local site investigations and detailed option analysis progressing.
- **Zero Waste District Programme** – service agreements in place (Resourceful Communities, Wanaka Community Workshop, Wastebusters, Kiwi Harvest, Zero Waste Event work, WAO Circular Economy Programme, Sustainable Queenstown waste minimisation project, Plastic Free Wanaka).
- **Waste Minimisation & Management Plan** – early engagement & Council workshop complete, WWMP to be before Council for consideration Mar 2025, SCP & hearings Apr-May, adoption of final Jun 2025.
- **Victoria Flats Landfill Reconsenting** – Planner engaged to support acquisition of new Resource Consents to protect the on-going operation of the existing landfill (current consents expire in 2032).

SPOTLIGHT ON A FEW KEY PROJECTS...



UPPER CLUTHA CONVEYANCE SCHEME

A map of the Upper Clutha region in New Zealand, showing the Clutha River and several lakes including Lake Waikare, Lake Waipara, Lake Waikare, and Lake Waipara. An orange circle highlights the area around the town of Albert Town, which is the focus of the conveyance scheme.

- Detailed design package complete – undergoing final QLDC approvals
- Construction procurement to start in December
 - Package A: Domain Road to Albert Town + decommissioning of existing Hāwea WWTP
 - Package B: Riverbank Road to Project Pure
- Construction programmed to run mid 2025 to early 2028
- Most consents now in place – final processing expected by early 2025

NEW PIPELINES

~20km

Hāwea to Albert Town
Riverbank Rd to Pure

NEW PUMPSTATIONS

2

Domain Rd
Riverbank Rd

FY25-29 BUDGET

\$80.16M

latest cost estimate is
within this budget

PROJECT SHOTOVER UPGRADE

- Clarifier tank and MLE structural works complete, mechanical installation commenced, pond one dredged. PC due late 2025.
- 2250m³ low carbon concrete (35% fly ash) successfully placed; a record for the most 'ecrete' used on a project in the region.
- Strong waste minimisation focus - only 26 tonnes of waste has been taken to landfill out of 17,500 tonnes generated.
- MCD local team have supported replanting days (with WRT), and donated firewood from initial site clearance to Happiness House (also built them a woodshed to store it in!)
- 10% of MCD's subcontractor/supplier spend with Māori-owned businesses.

OF WASTE PRODUCED

97%

HAS BEEN RECYCLED OR
REPURPOSED

Co2e AVOIDED

439T


BY USING LOW CARBON
CONCRETE

MCD RAISED

\$10k

FOR HAPPINESS HOUSE
(ZQN MARATHON)

NEW KINGSTON 3W SCHEMES



Stormwater

- Construction contract awarded to Wilson Contractors.
- Site establishment Dec 2025, physical works begin Jan 2025 (starting with outlet gallery at the lakefront).

Wastewater

- Detailed design complete (approval Dec 2024), procurement to commence Jan 2025, construction contract est Jun 2025.

Water Supply

- Fulton Hogan progressing bulk supply main along Kent St, moving onto SH6 in the new year. Bulk earthworks for WTP complete.

NEW
WTP

NEW
WWTP

STORMWATER
1.8M
DIAMETER PIPE!

QUESTIONS & FEEDBACK