

TAPPED IN

Bringing you news, updates and information from Watercare

Winter 2023

Record-breaking building programme underway

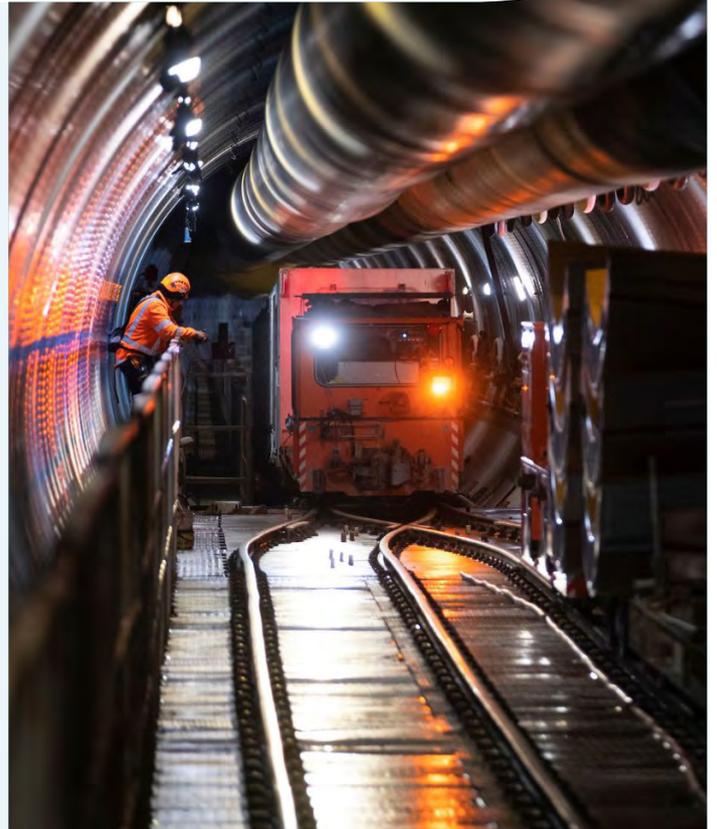
In this issue of *Tapped In*, we focus on our building programme. This financial year – which kicked off on 1 July – we will spend over \$1 billion on renewing and expanding our pipe networks, treatment plants and other assets. This work will help to protect the health of our communities as Auckland grows and our climate changes.

Right now, we have 160 projects underway in Auckland, and a further 190 in the pipeline. These works include the delivery of regional infrastructure, such as the third water storage reservoir at Redoubt Road in Manukau, and local infrastructure.

Typically, our projects cater for population growth, improve the health of the environment, or make our infrastructure more resilient. Some work achieves more than one outcome. For example, the Central Interceptor wastewater tunnel will improve the health of the waterways and beaches in central Auckland by significantly reducing sewage overflows when it rains. It will also duplicate a critical piece of infrastructure – a section of the Western Interceptor that runs under the Manukau Harbour – meaning that we will be able to take it out of service for maintenance or if there is an issue.

We know we can't just build infrastructure and forget about it for 50 years – we must look after it. Soon, we will secure contractors to support us with the delivery of a \$3.5 billion programme over the next 10 years to upgrade and/or replace ageing pipes, pump stations, water storage reservoirs, and treatment plant equipment. Among other benefits, this programme will help to minimise water leaks and wastewater overflows in your area.

This year's devastating storms had a big impact on many of our customers and some of our infrastructure. Several people reported wastewater spilling out of the gully traps outside their houses. That happens when stormwater gets into the wastewater network. While gully traps are designed to overflow in these circumstances,



Our Central Interceptor tunnel will reduce wastewater overflows into central Auckland waterways, creating a better environment for our customers to enjoy.

it's still distressing for these homeowners. We always respond by cleaning and disinfecting the affected area as soon as the gully trap stops spilling. We are also working collaboratively with Auckland Council to identify where and how stormwater is entering our network.

We have a team dedicated to fixing the damage to our infrastructure caused by the floods and cyclone. Over the next two years, they will work to resolve more than 180 issues. Most of the work involves fixing wastewater pipes that broke due to landslides in northern and western parts of Auckland. We sincerely thank the affected communities for their patience at this very challenging time.

Keep reading this issue to find out more about our regional projects as well as work in your area. We have also included a reminder about the price rises, which took effect on 1 July.

Supersized regional projects

Central Interceptor wastewater tunnel

Deep below the surface, our tunnel boring machine Hiwa-i-Te-Rangi has quietly been chewing her way through Tāmaki Makaurau since she was launched from the Māngere Pump Station in 2021. She's recently passed the six-kilometre mark at Keith Hay Park on her 14.7-kilometre journey to build a mammoth wastewater tunnel that will significantly reduce wet-weather overflows in central Auckland and clean up our waterways.

The 4.5m-diameter tunnel will be able to hold 226 million litres of wastewater and stormwater, which means in heavy rain, there'll be fewer wet weather overflows, and we'll be able to control the flow to our Māngere Wastewater Treatment Plant.

Building a tunnel of this size takes time – it's expected to be completed in mid-2026.

We've also applied for consent to extend the tunnel from Grey Lynn through to Point Erin, so it can collect the combined stormwater and wastewater flows from the inner-city seaside suburbs.

Our \$3.5b programme to renew ageing infrastructure

We're about to kick off our biggest-ever investment in a programme to replace or upgrade ageing infrastructure.

Over the next few months, we'll be looking for contractors to partner with on a 10-year, \$3.5 billion programme of work to replace our ageing water and wastewater pipes, and upgrade or renew critical infrastructure at our pump stations and treatment plants.

About three quarters of the work involves replacing water and wastewater pipes – which ultimately means we'll have fewer leaks, water outages and wastewater overflows.

This represents a move away from the 'fix it when it breaks' approach to a more proactive solution. By investing more up front in targeted renewals we'll improve your water and wastewater service and in time, we'll reduce our operational costs with fewer reactive replacements needed.

New \$60m water storage reservoir

An additional 45-million-litre water storage reservoir in Manukau has reached a critical milestone, with work now underway to construct its concrete roof.

Our Redoubt Road reservoir complex can already store up to 120 million litres of water, and more than 80 per cent of Auckland's treated drinking water passes through it each day. It holds water treated at our Ardmore and Waikato water treatment plants, before it goes into the water network and ultimately out of your taps.

The addition of a third storage reservoir at Redoubt Road increases the resilience in our water network, and future proofs Auckland's water supply by catering for growth.

Our infrastructure team is always looking for opportunities to reduce carbon in construction. On this project, we're adding fly ash to the cement, which helps offset carbon emissions and makes it more durable.

The new reservoir is on track for completion mid next year.



Our third storage reservoir at Redoubt Rd, Manukau, will increase the resilience in our water network and future proof Auckland's water supply by catering for growth.

What's happening in north Auckland



Catering for growth

East Coast Bays wastewater network upgrade

- \$21 million**
- 1.75km long pipe**
- Under construction**
- Rosedale**
- To be completed by: April 2024**



What are we doing?

We're building a new wastewater pipe which will reduce wastewater overflows and cater for growth in Rosedale and its surrounding suburbs.

The new pipe, along with the \$21.5 million Mairangi Bay Pump Station, will increase wastewater capacity and help reduce wet-weather overflows in the East Coast Bays area.

What have we done so far?

Work is being carried out from Windsor Park to the Rosedale Wastewater Treatment plant. To reduce impact on commuters, we adjusted the original pipeline route along Constellation Drive, choosing a quicker, cost-effective, and less disruptive path. We have installed three sections using trenchless technology.

What's next?

Construction is currently taking place in Rosedale and will connect to the Rosedale Wastewater Treatment Plant around April next year.



Protecting the environment

Mairangi Bay pump station replacement

- \$21.5 million**
- 230,000 litres storage capacity**
- Under construction**
- Mairangi Bay**
- To be completed by: November 2023**



What are we doing?

A new pump station and wastewater pipe are being built to increase the resilience of current infrastructure and reduce overflows at Mairangi Bay Beach.

The new pump station will replace the current wastewater pump station which can overflow up to 10 times per year. It will include larger pumps and additional underground storage to hold wet-weather flows until they can be pumped to the Rosedale Wastewater Treatment Plant.

The wastewater pipe on Montrose Terrace will help improve the flow of wastewater to the new pump station.

What have we done so far?

Work on the pump station on the corner of Sidmouth Street and Montrose Terrace is well underway. Once it is completed, it will be able to handle almost double the amount of flows per second compared to the existing pump station's one.

What's next?

Work on the wastewater pipe on Montrose Terrace is on track to start this month, while the pump station is expected to be completed by November 2023.



Building resilience

Kahika wastewater upgrade

- \$22 million**
- 2km long pipe**
- Under construction**
- Birkdale**
- To be completed by: Mid-2024**



What are we doing?

We're upgrading the wastewater network to reduce the risk of overflows into local waterways and to support population growth in the Bayview and Beach Haven areas.

We're building a new wastewater pipe that will replace the existing 50-year-old one that has experienced failures over the past two years. Once complete, it will be able to carry twice as much wastewater as the current pipe.

What have we done so far?

Construction of the new pipe from Kahika Pump Station to the existing pipe from Easton Park Parade is currently underway. We are also diverting four local network catchments away from the existing wastewater pipe for it to be removed from service. Large sections of the current pipe will also be decommissioned.

What's next?

The construction of the new pipe will be completed early next year with the remaining diversion and decommissioning works on track for completion by mid-next year.

What's happening in central and west Auckland



Catering for growth

Waikōwhai water pump station and watermain

-  **\$54 million**
-  **5,750m long pipe**
-  **Under construction**
-  **Mount Roskill**
-  **To be completed by: early 2025**



What are we doing?

We are carrying out upgrades to the water network to cater for current and future development and population growth.

The upgraded network includes a new booster pump station and watermain which will cater for Kāinga Ora's future urban development in this area. This project will enable 4,000 additional houses, plus 170 infill dwellings within the Waikōwhai and Mount Roskill areas.

What have we done so far?

Construction of the booster pump station near Akarana Golf Course is underway. Once it is completed, treated water will be pushed to Mount Roskill faster than the existing water system, allowing for future growth.

Work on the watermain has also started along Richardson Road, between Penny Avenue and Playfair Road.

What's next?

The pump station is on track to be completed in March 2024, while the watermain is expected finished in early 2025.



Protecting the environment

Herne Bay wastewater pipe

-  **\$47 million**
-  **2.1m diameter pipe**
-  **Planning**
-  **Herne Bay**
-  **To be completed by: 2026 - 2028**



What are we doing?

We are proposing to build a new wastewater pipe to significantly reduce overflows and improve the quality of waterways and swimmable beaches in the area.

The proposed wastewater pipe will support the extension of the Central Interceptor wastewater tunnel. It will ensure combined overflows are captured and transported to Māngere Wastewater Treatment Plant for safe treatment.

What have we done so far?

We are in the process of designing the programme, obtaining the required approvals, and conducting geotechnical investigations. These investigations are essential to add to our knowledge of soil, geology, and groundwater conditions for this project.

What's next?

We plan to lodge the resource consent application for Auckland Council assessment shortly. Construction is expected to start next year in parallel with the proposed Point Erin Central Interceptor extension project.



Building resilience

Huia 1 watermain

-  **\$139 million**
-  **17km long pipe**
-  **Under construction**
-  **Epsom, Mount Roskill, Titirangi**
-  **To be completed by: Ongoing in stages**



What are we doing?

We're replacing our large watermain along Titirangi Road to cater for the growing population.

The ageing watermain is being replaced so that we can continue to provide the essential water supply to Auckland. It currently transports water from the western dams which provides up to 20 per cent of Auckland's overall water needs.

What have we done so far?

Construction is well underway with 70 per cent of the project completed so far.

Earlier this year we wrapped up work on Atkinson Road two months early. Our contractors completed an 850m section from Atkinson Road to the Daffodil Street intersection in under five months.

Most recently, a 3.5km section from Highland Avenue to Portage Road was made live.

What's next?

We will continue to work along Daffodil Street, then move on to Konini Road intersection by August. The works on Donovan Street in Blockhouse Bay are planned to start in November.

What's happening in south and east Auckland



Catering for growth

Dunkirk Road wastewater upgrade

- \$52 million
- 650,000 litres storage capacity
- Under construction
- Panmure
- To be completed by: October 2024



What are we doing?

We're building a new pump station and wastewater pipe to cater for current and future growth in Panmure and surrounding suburbs. Working in partnership with Kāinga Ora, the project will help reduce wastewater overflows in wet weather and allow for greater urbanisation in the Tāmaki area.

What have we done so far?

Construction of the new pump station on the corner of Tangaroa Street and Dunkirk Road is well underway. Earlier this year, we installed four storage tanks which will provide additional capacity to help prevent overflows. As for the wastewater pipe, trenching along Dunkirk Road from Tangaroa Street to Johnson Reserve is going smoothly. We have progressed from the pump station up Dunkirk Road and we are now working between Benghazi Road and Alamein Road.

What's next?

The section of the pipe that travels between the pump station and Johnson Reserve is expected to be completed this year. Decommissioning the old pump station is on track to finish in October 2024.



Protecting the environment

South-west wastewater upgrade

- \$300+ million
- Design phase
- Kingseat, Waiuku, Glenbrook, Clarks Beach
- To be completed by: Ongoing in stages



What are we doing?

We're working to deliver a new wastewater scheme which will improve the quality of treated wastewater and the surrounding environment. Once it's in place, it will serve the rapidly growing communities of Kingseat, Waiuku, Glenbrook and Clarks Beach.

What have we done so far?

Earlier this year we identified a new site at 372 Glenbrook Beach Road which will be home to the South-west Wastewater Treatment Plant. The site will house the wastewater infrastructure in the centre of the property which means we are able to minimise visual impact and ensure we have space for future expansion if required. Raw wastewater from the community will be transported in a new pipeline to the new wastewater treatment plant. A return treated wastewater pipeline will connect the new wastewater treatment plant with the final discharge location near the Clarks Beach Golf Course.

What's next?

We are seeking a Notice of Requirement to designate land on Glenbrook Beach Road. An application will be lodged with Auckland Council in August 2023. We are also designing the conveyance pipeline and outfall.



Building resilience

Waiuku Road reservoir upgrade

- \$8.3 million
- Feasibility and concept design
- Waiuku
- To be completed by: 2025 - 2026



What are we doing?

We're working on a number of infrastructure projects to further boost the security of Waiuku's water supply. Next year, a new water storage reservoir will be constructed alongside the existing one at our Waiuku Road Water Treatment Plant site. It will help improve the reliability of the water supply in the area, particularly during summer. We also plan to replace our existing temporary water treatment plant with a permanent plant within the next five years to increase the volume of water we can treat.

What have we done so far?

We built a temporary water treatment plant at our Cornwall Road site earlier this year. It is the fourth treatment plant serving the area and boosts water supply by up to four million litres a day. While we refer to the new modular treatment plant as 'temporary', it is built to last for up to seven years. In the long term, it will be replaced with a permanent plant.

What's next?

The new reservoir is in the concept and detailed design stages. Construction is expected to start in 2024. The new permanent water treatment plant is expected to be completed within the next five years.

Price change reminder

Our prices changed on 1 July, so the new prices may be reflected on your bill (depending on your billing cycle).

The price of water and wastewater services has risen by 9.5 per cent. This means you will now pay 17.3 cents more for every 1,000 litres of water delivered and 30.2 cents more for every 1,000 litres of wastewater treated.

In addition, the cost for a paper bill has changed from \$1.20 to \$1.50 to cover the increase in postage charges. To avoid this cost, **please sign up to e-billing.**

Click here to see our new charges.



Tap into our app

Download our free app to track your water use and manage your account on the go!

Click one of the QR codes below or search for 'Watercare' on the App Store or Google Play to get started.

Renting the property? Please ask your landlord for permission to access the data on the app.



Remember to flush your taps

It is best practice to flush a large glass of water from your drinking water tap each morning before using any water. This removes any metals that may have dissolved from plumbing fittings.

New Zealand's water can be slightly acidic and can dissolve metals. If water stays for several hours in your household pipes, it can dissolve heavy metals such as lead or copper. Small amounts of these metals may then enter your water supply.

This is a simple precaution for all households on both public and private water supply. The health risk is small, but a build-up of heavy metals in your body can cause health problems.

We continue to meet the requirements of the Drinking Water Standards for New Zealand 2022 and deliver safe water. For more information, visit watercare.co.nz.

Struggling to pay an overdue bill? We can help

Our priority assistance programme offers support to people who are facing financial difficulty in a number of ways. For example, we can help set up budget-friendly payment instalments or offer referrals to other community organisations for financial assistance. Sometimes, people need a little more help and that's where the Water Utility Consumer Assistance Trust (WUCAT) comes in.

WUCAT, a Watercare-funded trust, supports customers suffering genuine hardship by approving payment arrangements to cover future Watercare bills and writing off part, or all, of the amount owed.

Heather Nicholson, WUCAT administrator, has been supporting the organisation since it was set up in 2011. She says people who approach her are facing all types of hardship from job loss, health issues, the increase in cost of living and debt from second tier lenders for car or mortgage repayments.

Heather, who is known as 'the water lady' in the community, strives to help people who are struggling to make ends meet. She works closely with organisations such as Habitat for Humanity, Salvation Army, Whānau Ora and the Fono to achieve the best outcome for the individual in need.

She says customers who aren't eligible for WUCAT assistance can choose to get help from Work and Income NZ or Citizens Advice Bureau who can help with budgeting advice.

If you need help with paying an overdue bill, **visit our website** or click the QR code to download the application form for financial assistance. Once you've completed your details, you'll need a budget advisor to complete the rest of the form.



KEEP IN TOUCH

Tapped In is your newsletter. If you would like to talk to us about any stories from this edition or your ideas for future issues, we'd love to hear from you. To get in touch, please email our communications team at communications@water.co.nz. You can learn more about what we do at waterforlife.org.nz