



November 2022

## Prospect South to Macarthur Update

Sydney Water has a long-term plan to increase resilience in our network and to extend the city's water capacity and supply.

As part of the Prospect South to Macarthur (ProMac) program we are building a new drinking water pipeline, reservoir and pumping station in Cecil Hills.

We thank the community for their continued support, patience and cooperation while we complete this essential work.

### Liverpool Reservoir Pumping Station

Our contractor has completed the exterior of the pumping station and two high voltage switch rooms.



An aerial view of Liverpool Pumping Station and high voltage switch rooms.

Over the past three months, the contractor has also completed:

- 1km of new underground pipework to connect the new pumping station to the existing network
- Three connections into the existing network
- Installation of seven pumps inside the pumping station
- Installation of about 10km of electrical cabling to eventually power the pump station.

In the new year we will:

- Complete mechanical pipework and platforms inside the pumping station
- Complete installation of a further 25km of electrical cabling
- Complete the retaining wall around the pump station, a permanent environmental control to stop soil erosion during rain.

The new facility is expected to be operational by mid-2023.

#### Did you know:

- Connecting a new pipe-end to an existing pipe-end can take up to 10 hours.
- So far, about 500 cubic metres of concrete and 250 tonnes of steel reinforcement has been used to construct the pumping station retaining wall.
- The pumping station has seven pumps which will deliver up to 153 megalitres of water to the community every day. That's the equivalent of 61 Olympic-sized swimming pools!



A view of a connection point between the new pumping station and existing Sydney Water network – located in the Cowpasture Road median.



## Upgrade to the existing Liverpool Reservoir

Following completion of ProMac works at the Liverpool Reservoir site, Sydney Water will begin work to upgrade the existing reservoir in late 2023.

The reservoir will undergo a complete roof replacement and an internal paint refresh using a crane and heavy machinery. Residents should expect loud noise during the refurbishment as the crew removes the existing internal lining and repairs structural steel. We will keep residents updated as planning progresses.

We estimate the upgrade will take about six months to complete, weather permitting.

## Water quality management

To improve the management of water quality for its customers, next year Sydney Water will install a re-chlorination plant inside the Liverpool Reservoir facility.

Located behind the pumping station towards the centre of the site, the building itself is manufactured offsite and delivered as a complete unit on the back of a truck.

A re-chlorination plant automates the dosing and monitoring of chlorine into the adjacent reservoirs. The building will be painted green and the facility is not noisy when operating.



The original reservoir (on the left) will be upgraded in late 2023.

## Restoration of the site

As work comes to an end across the site and areas are restored, we will progressively replant to filter views of the new infrastructure and return some of the bush outlook that residents previously enjoyed.

In the New Year, we will be contacting our direct neighbours to present a draft landscape design plan and seek their views.

Once the plan has been finalised, the first area to be landscaped will be around the new reservoir.

## The holiday shutdown

No work will occur on site from 23 December 2022 until 2 January 2023. Work will resume 3 January 2023. During the shutdown, Liverpool Reservoir worksite will be regularly inspected to ensure temporary fencing and environmental controls are secure.

If you are concerned about the condition of the site during this break, please notify the community team who will be on-call over this period.

We wish everyone a safe and happy holiday season.

## To know more about ProMac:

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**Interpreter Service 13 14 50**

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如果您需要傳譯員的協助，請致電以上的號碼。

Αν χρειάζεστε διερμηνέα, τηλεφωνήστε στον παραπάνω αριθμό.

Se vi serve un interprete, telefonate al numero indicato sopra.

통역사가 필요하시면 위의 번호로 전화하십시오.

Nếu quý vị cần thông dịch viên, hãy gọi đến số trên đây.