

Upper South Creek Advanced Water Recycling Centre and Pipelines

Delivering our water future

Sydney Water is delivering a transformative investment in our city to ensure our water, wastewater and stormwater systems meet the needs of our customers now and in the future.

Our infrastructure delivery is timed to support the NSW Government's growth ambitions and is aligned with housing supply policy. New infrastructure, amplifications and upgrades will ensure the resilience and reliability of our water supply for generations to come.

The expansive program of work is being delivered across Greater Sydney, including the Blue Mountains and the Illawarra. A significant number of projects are currently in planning, while many are in delivery or have been completed.

Explore the [Major Projects Pipeline](#).

Benefits for our customers and communities

Sydney Water is currently constructing one of the southern hemisphere's most advanced wastewater recycling facilities – the Upper South Creek Advanced Water Recycling Centre (AWRC) in Kemps Creek.

When completed in 2026, the AWRC and its associated pipelines will support the population and economic growth of Western Sydney including the Western Sydney International Airport and the designated growth areas (South West Growth Area and Western Sydney Aerotropolis Growth Area).

As part of the process of treating wastewater, the AWRC will produce large volumes of high-quality water suitable for a wide range of non-drinking uses in homes and businesses, for various industrial and agricultural uses, and for watering public open spaces.

Given its high quality, treated water will also be transferred via a new water pipeline and released to the Nepean River to help sustain important river ecosystems. The remaining waste from the AWRC will be transferred via a new brine pipeline to the existing wastewater network at Lansdowne.

The AWRC is Sydney Water's largest infrastructure investment in Western Sydney and will provide a foundation for a circular economy precinct in the region.



Efficient and cost-effective wastewater services



1000 new jobs created during construction



Reliable wastewater services to support 400,000 people (approximately) by 2056



Produce biosolids for an alternative to chemical fertilisers in agriculture



Potential to recycle organic waste to generate energy



Protect local waterways, including the Nepean River, and aquatic ecosystems via environmental flows



Rainfall independent water supply for residences, business, industry, agriculture and irrigation



Four-megawatt solar farm allows the facility to be 50 per cent energy self-sufficient



Associated pipelines can treat a daily wastewater flow of up to 70 megalitres per day allowing for expansion to service growth in the region

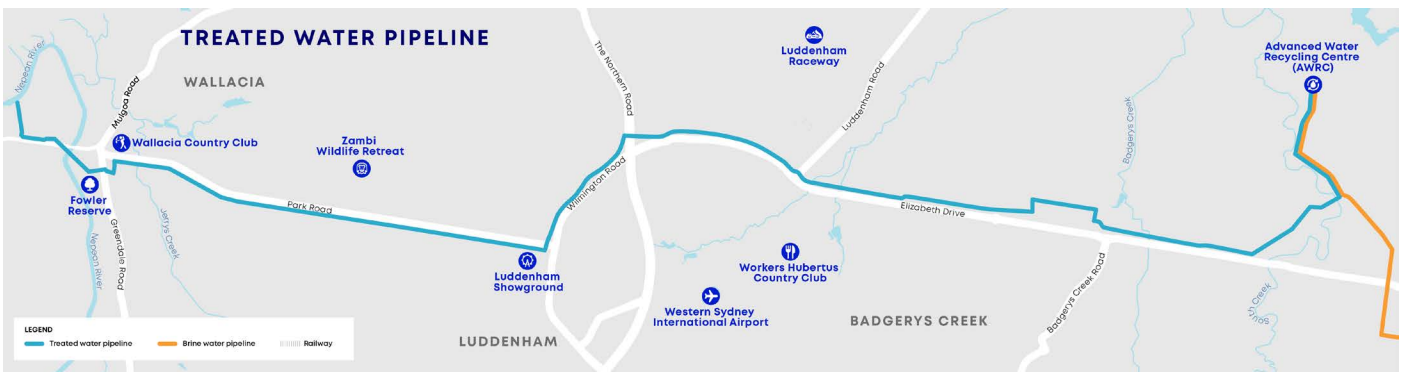
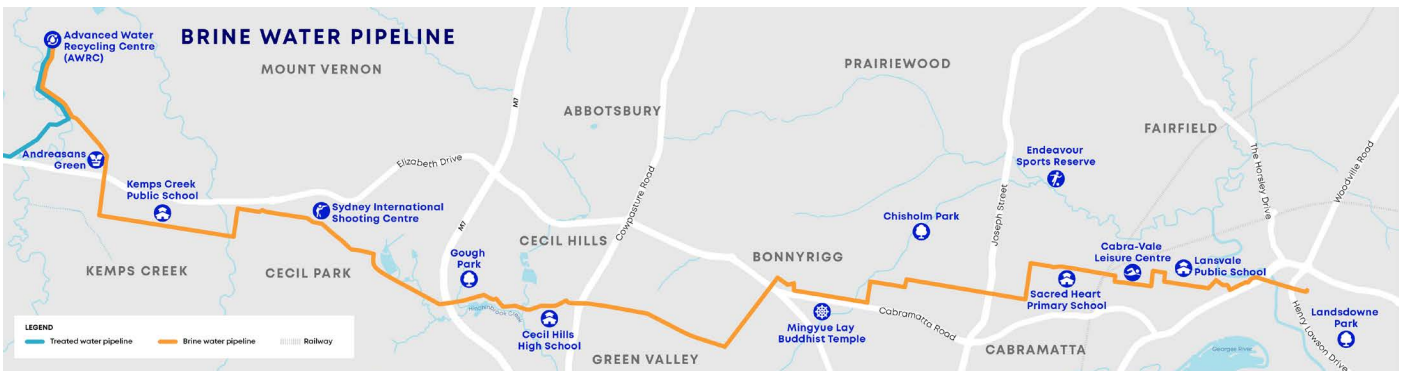
Investment



\$1.2 billion



Artist impression of the Advanced Water Recycling Centre upon completion



Project timeline



Contact us

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This information is correct at the time of printing.

Please visit sydneywater.com.au for the latest updates.

