



Site Tour One - Water Corporation's Advanced Water Recycling Plant and Water Research & Innovation Precinct

Water Corporation's Advanced Water Recycling Plant is leading the way in advancing Australia's perceptions and acceptance of treating used water to turn it into high quality drinking water. This innovative scheme sees highly treated wastewater from the Beenyup Water Resource Recovery Facility purified at the advanced water recycling plant to a level that exceeds drinking water standards.

Delegates will be taken around the visitor's centre to see key pieces of equipment and hear from WC's team on the plant operations.

The Water Research and Innovation Precinct is creating a sustainable and cleaner water future for Western Australia. Located in Subiaco, the Water Research and Innovation Precinct is a collaborative workspace developing new and innovative wastewater treatment and resource recovery technologies. By collaborating with global technology providers, research institutions and local industry we hope to make improvements in efficiency, sustainability and a create a positive legacy.

On this tour participants will learn about Water Corporation's wastewater treatment journey, from a serious health and environmental problem, to a valued resource that is now recycled into drinking water. There are many research projects to see with a focus on wastewater treatment, resource recovery and greenhouse gas reduction.

Tour Details

Date: Tuesday 27 February 2024

Time: 12.30pm to 5.10pm

Collection Point: Perth Convention and Exhibition Centre, 21 Mounts Bay Rd, Perth WA 6000

Schedule

Delegates to meet at 12.15pm at Perth Convention and Exhibition Centre. The coach will depart at 12.30pm sharp. Delegates will tour the sites and return to Perth Convention and Exhibition Centre by 5.10pm.

Inclusions

Delegates will be provided with a light snack for afternoon tea. We recommend delegates to bring their own water bottle. Return transport from Perth Convention and Exhibition Centre is provided.

PPE Requirements

Please wear long pants, long sleeved shirt, closed-toed shoes and a wide-brimmed hat. Additional PPE (safety glasses, high vis vests, gloves) will be provided at the sites as required.

Cost

AWA Member \$50 | Non-member \$70



Site Tour Two - Woodman Point WRRF and Hazer Hydrogen Demonstration Plant

Water Corporation's Woodman Point Resource Recovery Facility is Perth's largest, treating up to 180 megalitres per day through an advanced activated sludge process. The facility is also currently undergoing an upgrade to include thermal hydrolysis as part of the sludge processing systems to expand capacity and produce valuable biosolids for agricultural use. This upgrade will also maximise the facility's energy self-sufficiency and contribute to our carbon net zero target.

Co-located on the same site is Hazer Group's Commercial Demonstration Plant. Hazer is using technology which can convert methane feedstocks, through the use of an iron ore process catalyst, into hydrogen and synthetic graphite. Biogas produced at the water resource recovery facility will be used as feedstock for the demonstration plant. It is estimated that the plant can utilise around two million standard cubic metres of biogas.

Participants will be able to see key assets and processes from a bus tour.

Tour Details

Date: Tuesday 27 February 2024

Time: 8.00am to 12.15pm

Collection Point: Perth Convention and Exhibition Centre, 21 Mounts Bay Rd, Perth WA 6000

Schedule

Delegates to meet at 7.45am at Perth Convention and Exhibition Centre. The coach will depart at 8.00am sharp. Delegates will tour the sites and return to Perth Convention and Exhibition Centre by 12.15pm. Delegates wishing to attend site tour one can do so, by transferring at the conclusion of this tour.

Inclusions

Delegates will be provided with a light snack for morning tea. We recommend delegates to bring their own water bottle. Return transport from Perth Convention and Exhibition Centre is provided.

PPE Requirements

Please wear long pants, long sleeved shirt, closed-toed shoes and a wide-brimmed hat. Additional PPE (safety glasses, high vis vests, gloves) will be provided at the sites as required.

Cost

AWA Member \$50 | Non-member \$70



Site Tour Three – Wetlands of Boorloo (Perth) Walking Tour

Join Jason Barrow, proud Noongar man with [Danjoo Koorliny](#), [Nandi Chinna](#), researcher, poet and author of *Swamp; walking the wetlands of the Swan Coastal Plain*, Sarah Hill – Manager Parks at City of Vincent, and Winsome MacLaurin, lead for [Kep Katitjin – Gabi Kaadadjan Waterwise Perth Action Plan 2](#) for an immersive and enlightening walk through Boorloo's (Perth's) inner northern suburbs. Learn about some of the work being done to reconnect to our urban wetlands, experience site-specific wetland and water poetry.

Visiting two of the original wetlands of the Boorloo region, Danjanberup (Smith's Lake) and Boodyamooling (Hyde Park), we'll explore how they have changed over time, glimpse a sense of place and connection to land and water. Pre-European settlement, these places were healthy and thriving ecosystems of which people were simply a part. With settlement this changed and at its worst saw Danjanberup being used as a rubbish dump and a cesspit. We are seeking to come full circle to restore both our understanding and connection to place in addition to supporting greening, biodiversity and caring for Country.

Tour Details

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Schedule

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Delegates wishing to attend site tour one can do so, by transferring at the conclusion of this tour.

Inclusions

Delegates will be provided with a light snack for morning tea. We recommend delegates to bring their own water bottle. Return transport from Perth Convention and Exhibition Centre is provided.

PPE Requirements

Comfortable walking shoes, a hat and sunscreen are recommended for this walking tour.

Cost

AWA Member \$50 | Non-member \$70