



## long term benefits

Implementing a fit for purpose recycled water scheme for your organisation can help deliver environmental, social and economic outcomes that may add considerable value to your business or community.

By reducing your demand for scheme water and using fit for purpose recycled water where possible, you are helping to mitigate industry's impact on the natural environment and improve our community's water security, whilst potentially lowering your long-term costs.

## more information

To discuss the water recycling opportunities for your organisation and how we can help, please contact the Water Recycling Group on (08) 9420 3842, email [water.recycling@watercorporation.com.au](mailto:water.recycling@watercorporation.com.au) or visit our website.



# how your business can use recycled water



**13 13 85** Customer Centre  
(8am - 5pm weekdays)

**13 36 77** National Relay Service

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This information is available in alternative formats on request.

[water.recycling@watercorporation.com.au](mailto:water.recycling@watercorporation.com.au)

[www.watercorporation.com.au](http://www.watercorporation.com.au)



# getting started

## our challenge

Climate change and the dramatic reduction in run off into our dams over the past decade have augmented the need for alternative, climate independent water sources. As part of this process we are working to provide fit for purpose, non-drinking recycled water, for industry and community use.

Across Perth and the surrounding Peel region, our aim is to increase water recycling to 30 per cent by 2030 and reduce drinking water consumption within the Integrated Water Supply Scheme (IWSS).

Business and industry can play a leading role in helping us to achieve this goal, by replacing drinking water with fit for purpose recycled water.

## what is fit for purpose recycled water?

Water that is 'fit for purpose' is simply treated, non-drinking water that is of a quality suitable for its intended end use.

In an industrial environment, fit for purpose recycled water can include water used in manufacturing or refining activities, cooling towers and boilers, power generation and facilities management.

For a community, fit for purpose water may be recycled, non-drinking water used on public open spaces and playing fields.

Replacing high quality drinking water with fit for purpose recycled water, where appropriate, is a great way your business can reduce scheme water use and potentially save money.

Fit for purpose recycled water supplies may be economically sourced from wastewater treatment plants, the sewerage network, or even grey water or storm water catchments on your own premises. The level of treatment required depends on the quality of water required for your end use and the quality of the source water collected.

## what you can do

We encourage all tiers of government and high volume, non-residential customers in Western Australia to consider the establishment of fit for purpose recycled water schemes, or the development of alternative water sources that will ultimately reduce their scheme water consumption and reliance on groundwater.

Potential recycled water schemes may comprise on-site, 'packaged' wastewater treatment plants that can produce fit for purpose recycled water from:

- Treated wastewater supplied by the Water Corporation.
- Untreated wastewater, extracted directly from local sewerage mains (known as sewer mining).



## how we can help

We have a team dedicated to identifying water recycling opportunities, encouraging, facilitating and supporting the development of new water recycling schemes throughout the state.

Our enthusiastic team of experienced, water industry skilled engineers, scientists and analysts can help your organisation with expert advice and guidance on:

- Current wastewater treatment and water recycling processes and methodologies.
- Department of Health 2011 Guidelines for the Use of Recycled Water in Western Australia.
- Identifying recycled water schemes and alternative water sources that may be available or planned / under development.
- Navigating the regulatory framework, including Department of Environment and Conservation approvals, such as Works Approvals, Operating Licenses, Nutrient and Irrigation Management Plans, and Department of Water policies and approvals, such as Managed Aquifer Recharge and Groundwater Licenses.
- Preparing a Recycled Water Quality Management Plan and the Recycling Scheme Application process for the Department of Health.
- Developing a Recycled Water Supply Agreement with the Water Corporation.
- Applying for currently available Government grants and funding programs.

