

## Want to know more?

There are a variety of ways to get involved and learn all about this innovative new project for Adelaide.

If you would like more information about the project you can:

- visit the project website at [www.gapreuse.com.au](http://www.gapreuse.com.au)
- call the SA Water Projects Line on 1800 812 362
- email: [gapreuse@sawater.com.au](mailto:gapreuse@sawater.com.au)
- visit a public display

## Visit a public display

You can visit public displays on the Glenelg to Adelaide Park Lands Recycled Water Project at these council offices:

- Adelaide City Council  
Colonel Light Centre  
25 Pirie Street, Adelaide
- West Torrens City Council  
165 Sir Donald Bradman Drive, Hilton

Displays showing the traffic management plans and construction timelines can be viewed from September 2008 at the following locations:

- City of West Torrens Hamra Centre Library
- North Adelaide Community Centre



# Glenelg to Adelaide Park Lands Recycled Water Project

A Water Proofing Adelaide Initiative

## Frequently Asked Questions

*With increasing uncertainty regarding climate and its impacts on drought patterns, our water is an increasingly valuable resource*

### What is this project about?

**This \$75 million State and Federal Government funded project will have the capacity to provide more than 3.8 billion litres of high quality recycled water annually. In addition to supplying existing customers, the project will provide a minimum of 1.3 billion litres each year to irrigate the Adelaide Park Lands.**

The treated water will be transported from the Glenelg Wastewater Treatment Plant (WWTP) to the Park Lands and CBD (including North Adelaide) by an underground pipeline. The new pipeline network will then connect into the existing Adelaide City Council irrigation system and will reduce our dependence on water from other sources, including the River Murray.

The recycled water will provide a sustainable long term solution for watering the Park Lands. In the future, the recycled water project may be expanded to enable the development of additional water conservation projects such as providing water for toilet flushing and use in commercial developments.

This project is being delivered by the CityGreen Alliance comprising SA Water, United Water, Leed Engineering and Construction, Leighton Services and Guidera O'Connor.

## What is recycled water?

Recycled water is water derived from wastewater systems and treated to a standard which is satisfactory for its intended use.

This project will ensure that the recycled water is appropriate for non potable use.

## What are the benefits?

- Reduced annual discharge of treated wastewater to the Gulf St Vincent
- Reduced dependence on other water sources, such as the River Murray
- Improved health of the River Torrens and quality of the water in Torrens Lake through reduced demand and improved management

## When will it happen?

With the planning and design stages now complete, construction will commence in September 2008, with the first recycled water planned to be available for use in the Park Lands by mid 2010.

## What infrastructure will be developed?

- A new water treatment facility at Glenelg WWTP
- Recycled water storage tanks and pump station onsite at Glenelg WWTP
- An underground pipeline from Glenelg to the Adelaide Park Lands
- An underground pipeline network around the Park Lands, incorporating North Adelaide and the CBD

## What construction is involved?

The pipeline from Glenelg to the Park Lands will be approximately eight kilometres in length with a diameter of 750mm. It will be constructed within a trench around 1.5 metres wide or bored underground.

The pipeline network around the Park Lands will be approximately 34 kilometres in length, using pipes ranging in width from 50mm – 525mm.

Depending on local conditions and survey results, the pipelines will be buried approximately 1.2 to 1.5 metres underground.

*The new pipeline network will provide the basis for additional recycled water projects*

## Has the pipeline route been decided?

Considerable consultation, planning and engineering assessment was undertaken to identify the final route. Some minor changes to the route may also be required in the case of avoiding underground infrastructure, Aboriginal or European heritage items or significant trees.

## Will there be disruptions during construction?

Some changes to traffic movements, property and Park Lands access will be required during pipeline construction. However, we will work to keep disruptions to a minimum.

## How will disruptions be managed?

Residents, businesses and Park Land users will be kept informed of the construction schedule and traffic management plans to minimise any disruptions.

A high level of communication with residents, businesses and Park Lands users will be provided through door to door visits, letters to residents and businesses, council and shopping centre displays and information flyers. Properties directly adjacent to the pipeline route will be kept up to date on construction dates and any disruptions.

Construction work will be undertaken in liaison with local councils and the Department of Transport, Energy and Infrastructure to minimise traffic disruption and maintain access. Micro-tunnelling techniques will be used to bore underneath major roads to ensure traffic flow is maintained.

## Who sets the standards for recycled water?

The recycled water used for this project must comply with the rigorous standards set out in the Australian Guidelines for Water Recycling.

## What about environmental impacts?

A best-practice Adaptive Management Framework will guide the sustainable and low impact irrigation of the Adelaide Park Lands with recycled water. The framework covers general irrigation areas as well as issues or areas of specific vulnerability such as sensitive vegetation, soil, surface and groundwater.

Adelaide City Council will also develop comprehensive Irrigation Management and Monitoring Plans (IMMPs) for each park, garden and open space requiring regular watering. The IMMPs will take into account:

- water application rates, to minimise the potential for runoff and water logging
- current and future water table levels
- soil structure and condition
- soil and groundwater salinity

In addition to this ongoing approach to environmental management, Environmental Management Plans will be prepared by the CityGreen Alliance and Adelaide City Council for construction and operations elements of the project.



## What about heritage matters?

Heritage surveys of the pipeline route have been undertaken for both Aboriginal and European heritage items. No listed heritage items will be impacted by the project and consultation is occurring with appropriate organisations to ensure there are no negative impacts on items or locations of heritage and cultural value.

## What will happen in the future?

The project provides the backbone infrastructure for new recycled water projects and sustainable development in the CBD and suburbs.

If you work for an organisation that would like to access the recycled water in the future, please contact the SA Water Projects Information Line on 1800 812 362. While additional water users are not part of the current project, there is potential for the project to be expanded in the future.

*Using recycled water in the Park Lands will help conserve South Australia's water resources*

Frequently Asked Questions

