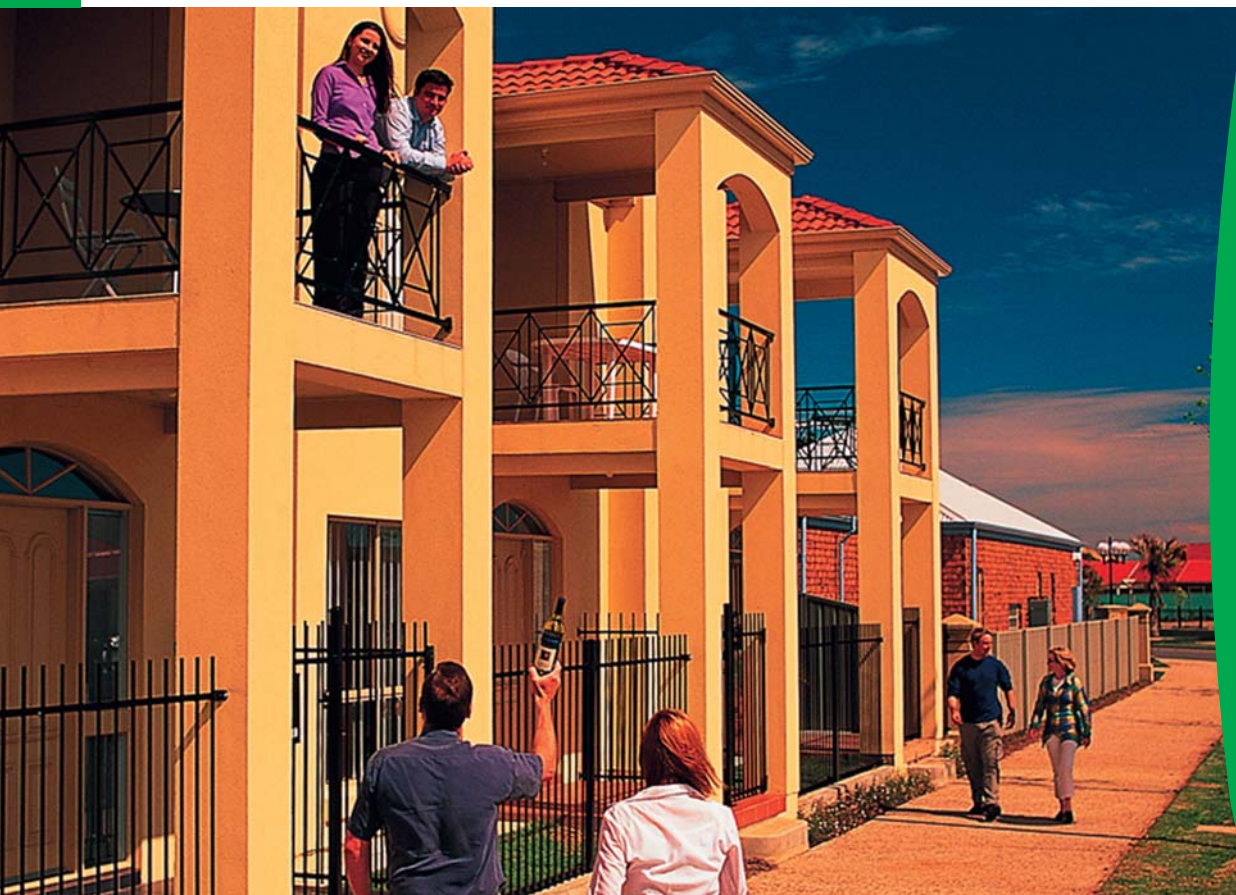


# Mawson Lakes Recycled Water Scheme



“We need to encourage developers to think innovatively about ways that we can develop new urban communities that are really water smart.”

Professor Peter Cullen, Former Adelaide Thinker-in-Residence and renowned environmental scientist

Sustaining natural water supplies – and protecting eco-systems that depend on it – is way of life in Mawson Lakes. It happens every time a person in Mawson Lakes waters their garden, washes their car or flushes their toilet.

Residents, workers and students at Mawson Lakes are reaping and promoting the benefits of a unique and pioneering partnership between Government and private enterprise to create a self-sustaining community.

By 2010, around 10,000 people will live in Mawson Lakes. Five thousand people will attend university there and a further 10,000 will be employed in local businesses.

A central and driving feature of the development has been an advanced recycled water system that complements the mains water supply to residents and other property owners. This recycled water system is the product of a unique partnership between the State Government’s Land Management Corporation and SA Water, Delfin Lend Lease and the City of Salisbury.

Sustainable



The recycled water is a mix of treated wastewater from the SA Water Bolivar Sewage Treatment Works and cleansed stormwater from the Parafield Airport catchment, adjacent to Mawson Lakes.

Treated wastewater is chlorinated and pumped from the state-of-the-art dissolved air flotation and filtration plant at Bolivar, to a huge tank adjacent to the Greenfields wetlands.

At Parafield Airport, stormwater is diverted into capture basins and rebeds constructed under specially designed birdproof netting. The rebeds biologically cleanse the water that would otherwise flow with pollutant loads to the sea.

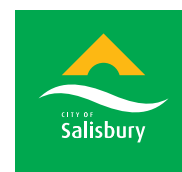
Water from the Parafield Stormwater Harvesting scheme is pumped to the tank at Greenfields, where it is mixed with treated wastewater. From the mixing tank, it is pumped by SA Water to Mawson Lakes via a separate reticulation system, defined by lilac coloured pipes.

The majority of recycled water usage at Mawson Lakes is primarily for community facilities, such as parks and ovals.

The partnership approach has been vital in delivering a resource that will reduce potable water use in Mawson Lakes by 50 per cent, significantly easing pressure on water sourced from the River Murray.

Other exciting sustainability initiatives have been implemented at Mawson Lakes including solar hot water systems in homes and solar lighting in key locations around the system of lakes.

The project partners at Mawson Lakes are caring for our biggest asset – a healthy environment that allows families to thrive and enjoy quality of life.



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A collaboration between the City of Salisbury, and:

