

## IPOS e-Bulletin

### Issue 45 – March 2017

#### Additional investment in water main replacements

We are increasing our focus on the replacement of water pipes to reduce the number of bursts and leaks as well as the impact these incidents have on SA Water customers and the wider community.

As announced on 20 February, we are investing an additional \$55 million in water main upgrades between now and 2020 – from \$82 million to \$137 million.

During this time, 375,000 metres of pipe will be replaced across the state and 292 shut-off valves will be installed in the Adelaide metropolitan area.

More shut-off valves means smaller areas and fewer properties that may have their water temporarily shut off during repairs, if a pipe does fail.

We are also aiming to lessen the impacts of water main incidents on commuters, through the replacement of water mains on several main arterial roads, including Grand Junction Road, Prospect Road, Main South Road, Anzac Highway and Marion Road.

While we can't always stop bursts and leaks from occurring in our network, we can limit the impacts they have on the community.

We also recognise the importance of people's cost of living – this increased investment is the result of re-prioritising planned expenditure, so won't have any impact on customer bills.

This [short animation](#) gives a sense of how our investment in water mains will unfold. You will note there is investment planned across the Adelaide metropolitan area and in regional South Australia.

This reflects our commitment to doing things better – by listening to our customers and responding to their needs.

More information on when and where water mains are being replaced, as well as details on existing pipes, is also now available on the [SA Water website](#) with an interactive and easy to use map.

# Smart Network

## A smart network for the Adelaide CBD

We're investing more than \$4 million on emerging, smart technology to help us manage the water supply network in Adelaide's CBD. The aim of the project is to improve the reliability of our network and minimise disruption to the community caused by bursts and leaks.

Our customers are at the heart of everything we do and we are working to be more responsive to their needs.

Using smart sensors, we can also track water flow and pressure to help us better understand our network and detect leaks before they become visible on the surface. This information can be provided in real time to our Operations Control Centre. The installation of smart meters will also help 100 large businesses in the CBD improve their water efficiency and help better manage their water use.

## How we'll achieve this

The technology we're using has been proven by water utilities around the world. We are however one of the first Australian water utilities to adopt it on this scale. The sensors and meters will be installed by the end of June 2017, with the full benefits expected in early 2018.

This short [video](#) provides more detail on how we will be using this smart technology.

## Tip of the Month

If you are using a water source that is not SA Water-supplied drinking water to irrigate, such as a bore or recycled water, we recommend periodically obtaining a water sample and analysis to determine the salinity as well as other important parameters to analyse the suitability of the water. Table 5.5 on page 33 on the [IPOS Code of Practice](#) provides information on the desirable properties of water used for irrigation. Water sampling services including sampling and analysis are offered by the Australian Water Quality Centre (AWQC) who can be contacted on 1300 365 366 or by email via [awqc@sawater.com.au](mailto:awqc@sawater.com.au).



# Free Environment and Sustainability Champions Training for Sport and Recreation Clubs

## Expression of Interest for workshops on how to save money on water and power

The Conservation Council SA, in conjunction with the Office for Recreation and Sport (ORS), are seeking expressions of interest for workshops and webinars throughout 2017.

The aim of the workshops is to help sport and recreation clubs reduce their utility bills e.g. water and electricity.

At these forums, clubs can find out how to:

- better manage energy and water use to reduce costs
- conduct a DIY energy and water audit
- develop an action plan and find grant funding to implement it
- develop processes for managing club environmental sustainability
- get the club community involved
- participate in a club environmental sustainability network.

## Register your interest

To register your interest, visit the Office for Recreation and Sport [website](#).

## For further information contact:

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# February Irrigation requirement overview

## Bureau of Meteorology (BoM)

Station	TQVS 1 (kL/Ha)		TQVS 2 (kL/Ha)		TQVS 3 (kL/Ha)		TQVS 4 (kL/Ha)	
	AIR	BIR	AIR	BIR	AIR	BIR	AIR	BIR
<b>Adelaide Airport</b> - 023034	1239	1529	669	870	527	705	384	541
<b>Kent Town</b> - 023090	995	1424	514	816	393	664	273	512
<b>Mount Crawford</b> - 023763	1171	1467	620	821	482	659	345	498
<b>Noarlunga</b> - 023885	1304	1492	747	848	608	687	468	526
<b>Parafield</b> - 023013	1223	1627	652	929	509	755	366	580

**AIR** is the 'Actual Irrigation Requirement' which is based on the current climate data.

**BIR** is the 'Base Irrigation Requirement' which is based on historical climate averages.

Station	Rainfall (mm)		Eto (mm)	
	Current	Long term	Current	Long term
<b>Adelaide Airport - 023034</b>	30	19	163	188
<b>Kent Town - 023090</b>	33	15	138	174
<b>Mount Crawford - 023763</b>	33	24	157	185
<b>Noarlunga - 023885</b>	14	19	159	184
<b>Parafield - 023013</b>	33	19	163	199

Disclaimer:

SA Water's Business Relations Group provides recommendations and suggestions only. It is advised that further investigations are detailed studies are completed before any projects are implemented. All applicable standards & guidelines (Australian, EU, AQUIS, HACCP, Australian Drinking Water Quality Guidelines et.c) should be adhered to, and care should be taken to ensure water and wastewater minimisation programs do not negatively impact health or processing operations.