

IPOS e-Bulletin

Issue 52 – May 2018

Water Talks

We need to talk...about water

We are inviting our major customers to have their say and help shape the future of water services in South Australia.

As a valued customer, we are seeking a decision maker within your organisation to complete the survey so we can capture your views.

The online survey – [What matters to you?](#) – is open until Friday 1 June 2018 and asks for your priorities for different levels of investment we could make and the services you value from us.

We will use feedback from the survey to develop our 2020-24 business plan.

By working together with our customers, we will plan how to best deliver water and sewerage services across South Australia.

We know our customers want:

- safe, high quality water
- water and sewerage services you can always rely on, now and in the future
- support, fairness and a great customer service
- a healthy and sustainable environment, and
- affordable prices.

The [What matters to you?](#) survey explores these issues in more detail and we are looking for your input which we will use to develop our business plan for 2020-24.

This is your chance to tell us what you really think: what we do well, what needs improvement, and what your business values most. To learn more and join in the Water Talks conversation, visit watertalks.sawater.com.au.

Water Sampling

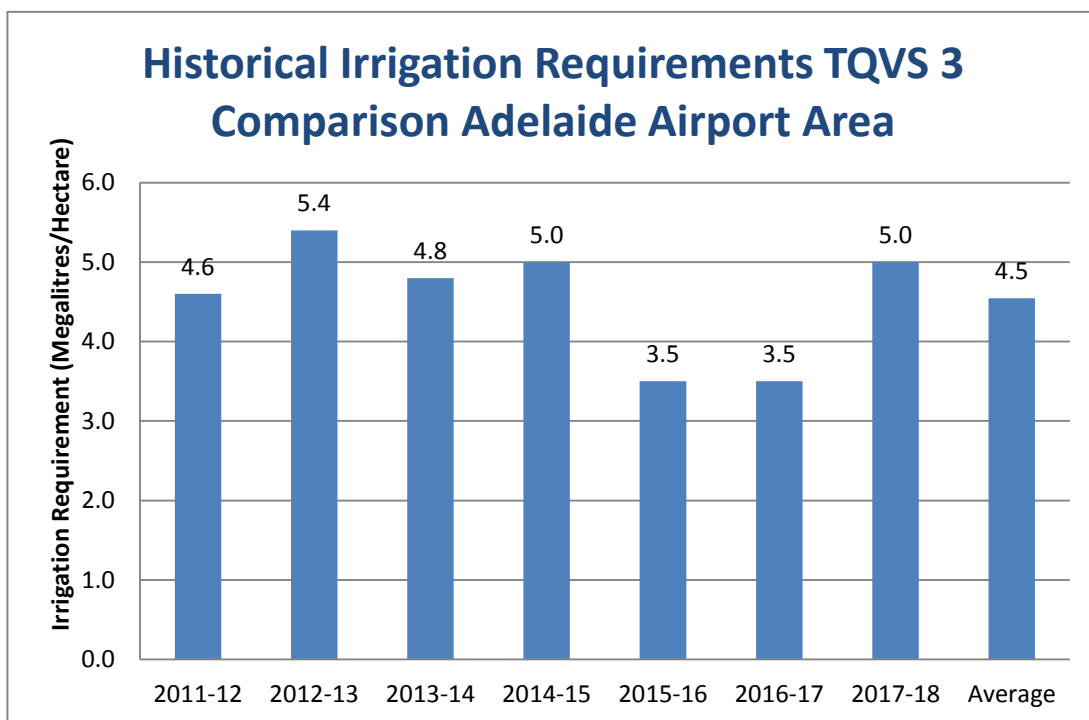
If you are using a water source that is not SA Water-supplied drinking water to irrigate, such as a bore or recycled water, we recommend periodically obtaining a water sample and analysis to determine the salinity as well as other important parameters to analyse the suitability of the water. Table 5.5 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.

Seasonal Irrigation Summary

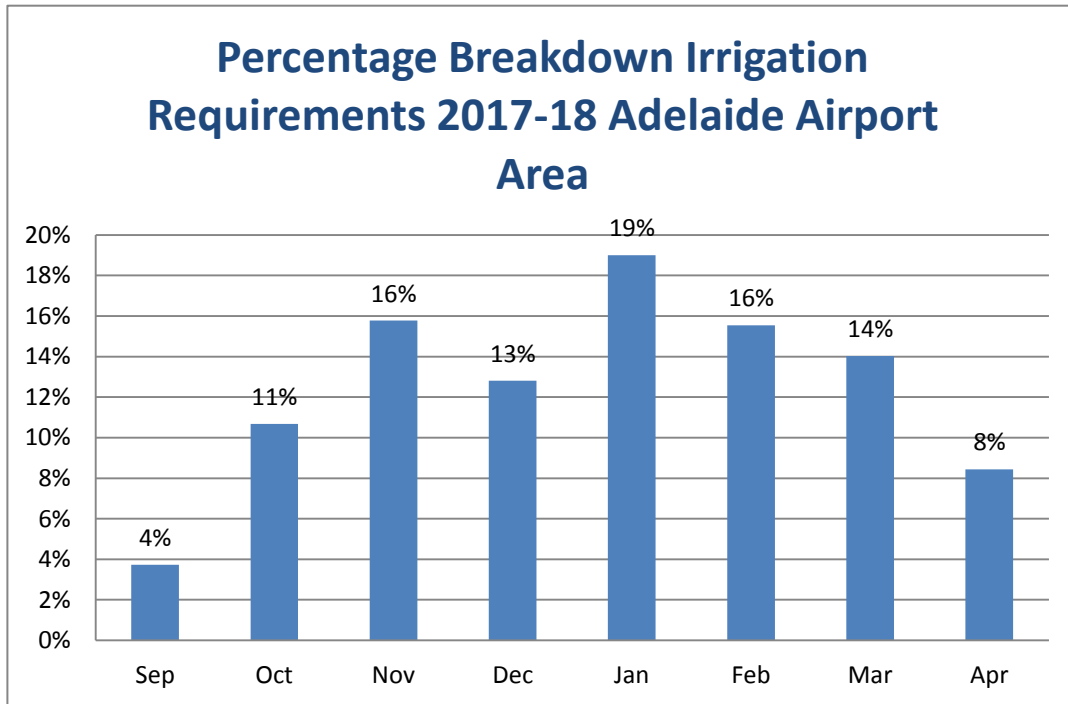
Irrigation requirements over last summer were slightly greater than average

At the end of every financial year, Business Relations records turf irrigation requirements for geographic regions across the state and makes these available to schools, councils and sporting clubs.

The irrigation requirements are calculated using the IPOS Code of Practice model. The model uses evapotranspiration and rainfall as the climate inputs, sourced from the Bureau of Meteorology, to determine the irrigation requirement. The blue series in the graph below displays the irrigation requirement per hectare for a local sports ground in the Adelaide Airport region.



The graph below displays the percentage breakdown of the 2017-18 irrigation requirements for the Adelaide Airport area. The model shows that the majority of irrigation (57%) from October to April was required from January onwards.



March Irrigation Requirement Overview

Irrigation requirements for different regions in Greater Adelaide are presented below. If you would like specific irrigation requirements to you, please contact us and we may be able to provide this to you based on your location.

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
Adelaide Airport - 023034	1444	1242	851	691	703	553	555	415
Kent Town - 023090	1183	1088	695	587	573	461	451	336
Mount Crawford - 023763	1347	1124	788	606	648	476	508	347
Noarlunga - 023885	1347	1205	788	667	649	532	509	398
Parafield - 023013	1485	1278	874	710	722	568	569	427

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

BIR is the 'Base Irrigation Requirement' which is based on the average of the previous 5 years climate data.

Station	Rainfall (mm)		Eto (mm)	
	Current	Long term	Current	Long term
Adelaide Airport - 023034	6	22	169	157
Kent Town - 023090	6	26	139	143
Mount Crawford - 023763	8	28	160	148
Noarlunga - 023885	8	22	160	154
Parafield - 023013	7	23	174	162

April Irrigation Requirement Overview

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
Adelaide Airport - 023034	944	731	530	350	426	255	323	160
Kent Town - 023090	633	569	324	241	247	159	170	0
Mount Crawford - 023763	878	513	446	174	338	90	230	0
Noarlunga - 023885	858	712	449	343	347	250	245	158
Parafield - 023013	994	723	561	335	452	238	344	141

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

BIR is the 'Base Irrigation Requirement' which is based on the average of the previous 5 years climate data.

Station	Rainfall (mm)		Eto (mm)	
	Current	Long term	Current	Long term
Adelaide Airport - 023034	15	35	118	109
Kent Town - 023090	22	40	88	94
Mount Crawford - 023763	32	53	123	97
Noarlunga - 023885	26	34	117	106
Parafield - 023013	14	39	124	111

The April irrigation requirement was significantly greater than the average. You therefore may have needed to apply greater volumes than the historical average.

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 etc.) should be adhered to, and care should be taken to ensure water and wastewater minimisation programs do not negatively impact health or processing operations.