

AguaMETER can save you \$\$\$ thousands in water loss through leaking systems

Water Loss through hidden leaks, and damaged infrastructure in

- Solenoid valves
- Drinking fountains
- Water features
- Toilets
- Urinals
- Vandalized sprinklers
- Garden taps
- Pipeline joints and fittings

Hidden costs of monthly meter reading

- Undetected constant water loss in real dollars (refer following pages)
- Wages
- Fuel and vehicle costs
- OH&S considerations
- Incorrect meter read.



Agua Soil Database Water Management Map

Location	Usage
Bice Battery	13,600
Flagstaff Hill Battery	7,191
Archery Battery	7,280
Clarendon Battery	7,120
Morphett Vale Battery	7,480
Noarlunga Battery	7,330
Pt Noarlunga Battery	7,170
Reynella Battery	7,480
Seaford Battery	7,150
Knox Battery	7,210
Market Battery	7,240
Memorial Battery	7,170
Bice Oval Usage	80,847,400
Flagstaff Hill Oval Usage	.05
Archery and Dog Club Usage	10,425,72
Clarendon Park Usage	1,845,69
Morphett Vale Sports and Soc Club Usage	462,567,79
Noarlunga Sports and Soc Club Usage	7,216,577
Pt Noarlunga Football and Soc Club Usage	52,298,27
Reynella Sports and Comm Centre Usage	8,914,39
Seaford Sports and Soc Club Usage	32,105,886
Knox Park Usage	.05
Market Square Usage	.027
Memorial Gardens Usage	19,386,658

Onkaparinga North IPOS Meters

Reset Map Water Mgt Refresh View Only

AguaMETER - Micro...

AguaMETER

- Logs your meter to give easily read hourly usage 24 hours a day, 7 days a week, downloaded every 24 hours.
- Easily interpreted data via spreadsheet, graph and tabular form.
- No software required, data accessed via the internet protected by secure login.
- Independent power supply, NO MAINS POWER REQUIRED.
- Suits all meters with pulse output facility.
- Don't have a pulse output meter, talk to us and we can ask SA Water to upgrade it at no charge. (SA Water connections only)

AguaMETER detected this constant leak of an average of 0.19 kL per hour **UNDETECTED** at a monthly manual meter read

= 1,587.75 kL per year

= **\$4,731.50 per year !!!!!** (@\$2.98/kL)

= 29 backyard swimming pools!! (x 55,000litres)

Microsoft Excel - scadadata.csv [Read-Only]

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File Edit View Insert Format Tools Data Window Help

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	A	B	C	D	E	F	G
169	2010-04-20 12:47:05	Status	Battery	B	7.5		
170	2010-04-20 12:51:05	Status	Battery	B	7.5		
171	2010-04-20 13:17:00	Bice Oval Usage	Usage	W	0.2		
172	2010-04-20 14:17:00	Bice Oval Usage	Usage	W	0.13	kL per hour through the meter	
173	2010-04-20 15:17:00	Bice Oval Usage	Usage	W	0.05		
174	2010-04-20 16:17:00	Bice Oval Usage	Usage	W	0.01		
175	2010-04-20 17:17:00	Bice Oval Usage	Usage	W	0.12		
176	2010-04-20 18:17:00	Bice Oval Usage	Usage	W	0.13		
177	2010-04-20 19:17:00	Bice Oval Usage	Usage	W	0.24		
178	2010-04-20 20:17:00	Bice Oval Usage	Usage	W	0.47		
179	2010-04-20 21:17:00	Bice Oval Usage	Usage	W	0.21		
180	2010-04-20 22:17:00	Bice Oval Usage	Usage	W	0.22	4.35kL @ \$2.98 / kL	
181	2010-04-20 23:17:00	Bice Oval Usage	Usage	W	0.21	= \$12.96 / 24 hours	
182	2010-04-21 00:17:00	Bice Oval Usage	Usage	W	0.18	= \$4,731.50 per year	
183	2010-04-21 01:17:00	Bice Oval Usage	Usage	W	0.17		
184	2010-04-21 02:17:00	Bice Oval Usage	Usage	W	0.18		
185	2010-04-21 03:17:00	Bice Oval Usage	Usage	W	0.17		
186	2010-04-21 04:17:00	Bice Oval Usage	Usage	W	0.17	(1,587.75kL)	
187	2010-04-21 05:17:00	Bice Oval Usage	Usage	W	0.17		
188	2010-04-21 06:17:00	Bice Oval Usage	Usage	W	0.18		
189	2010-04-21 07:17:00	Bice Oval Usage	Usage	W	0.18		
190	2010-04-21 08:17:00	Bice Oval Usage	Usage	W	0.19		
191	2010-04-21 09:17:00	Bice Oval Usage	Usage	W	0.2		
192	2010-04-21 10:17:00	Bice Oval Usage	Usage	W	0.19		
193	2010-04-21 11:17:00	Bice Oval Usage	Usage	W	0.19		
194	2010-04-21 12:17:00	Bice Oval Usage	Usage	W	0.19		
195	2010-04-21 12:44:46	Status	Battery	B	7.24		
196	2010-04-21 12:47:05	Status	Battery	B	7.5		
197	2010-04-21 12:51:04	Status	Battery	B	7.44		
198	2010-04-21 13:17:00	Bice Oval Usage	Usage	W	0.19		

scadadata

Draw AutoShapes

Ready

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AguaMETER's easily interpreted data

Agua Usage Plot Selection - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.agua.com.au/cgi-bin/benparts/atselect?imgext=138.481281+-35.1634372+138.5

AVG explore with YAHOO! SEARCH Total Protection Page Status

Agua Usage Plot Selection

Allocation:5000

YTD used	YTD %	Past Week Usage	Past Week %
44840.510	896.81	14.280	0.29

Monthly Usage Statistics

	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Mnth Usage	0	0	0	0	0	0	0	0	316.320	87.180	30.510	13.380
Mnth %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.33	1.74	0.61	0.27
YTD Use	0	0	0	0	0	0	0	0	316.32	403.5	434.01	447.39
YTD %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.33	8.07	8.68	8.95

Plot Options

Time Span Day

Usage Options

Select Plot Type and Scope

Overlay All Archery and Dog Club Usage Bice Oval Usage Clarendon Park Usage Flagstaff Hill Oval Usage Knox Park Usage Market Square Usage Memorial Gardens Usage Morphet Vale Sports and Soc Club Usage Hoarlunga Sports and Soc Club Usage Pt Hoarlunga Football and Soc Club Usage Reynella Sports and Comm Centre Usage Seaford Sports and Soc Club Usage

Data to plot Usage

Done

Now: Clouds And Sun, 9 °C Tue: 15 °C Wed: 15 °C

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Overlay Onkaparinga North IPOS Meters (Month) - Mozilla Firefox

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http://www.agua.com.au/cgi-bin/benparts/atplot?dr=M&D1=&D2=&plottype=1&mem=710&me

AVG explore with YAHOO! SEARCH Total Protection Page Status

Overlay Onkaparinga North IPOS Me...

Usage (Kl)

Date & Time

4:39

Select Plot Type and Scope

Overlay All Bice Oval Usage Flagstaff Hill Oval Usage Archery and Dog Club Usage Clarendon Park Usage Morphet Vale Sports and Soc Club Usage Hoarlunga Sports and Soc Club Usage Pt Hoarlunga Football and Soc Club Usage Reynella Sports and Comm Centre Usage Seaford Sports and Soc Club Usage Knox Park Usage Market Square Usage Memorial Gardens Usage

Done

Now: Clouds And Sun, 9 °C Tue: 15 °C Wed: 15 °C

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Automatic Email reporting

An automatically generated email can be programmed to indicate any flow through the meter during a user defined timeframe.

“The Monitor has detected water flow of 0.380 KI through the meter at Angas Neill Reserve Usage between 20:00 and 11:00 on 2011-08-02.”

Advantages

- Highlights if a programmed irrigation did or did not happen.
- Highlights any flow through meter by leaks, water theft.
- Assists in auditing actual usage v design usage irrigation.

For more information, contact

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