

Avondale

PUBLIC WORKS 2015/2016 CALENDAR
& ANNUAL WATER QUALITY REPORT

Scenes



Quality Water and “Avondale Scenes,” for you:

Avondale is committed to providing our residents with safe, reliable drinking water and great service at an affordable price. This Annual Water Quality Report (as mandated by state and federal requirements), provides important information about where your water comes from, the results of continuous testing and how results compare with federal standards.

Why is water so important? Water is important not only to the mechanics of the human body but it is vital to the growth of our economy, community and quality of life. Water is a precious resource.

You may have heard that Arizona is in a fifteen year drought, while that is true; we are not in a water crisis. The good news is that the predicted shortages in the Colorado River will have no direct impact on Avondale’s water supply. Why? Simply, because Avondale has multiple sources for our water supply; we do not rely solely on delivery of Colorado River water. Avondale’s water portfolio, consists of surface waters from the Colorado River delivered by the Central Arizona Project (CAP), Salt and Verde Rivers delivered by the Salt River Project (SRP), reclaimed water, and recovered groundwater pumped from wells.

Cities and towns in the valley have been working together for decades- monitoring, planning, and preparing for such conditions to protect water supplies. Avondale treats and distributes the groundwater supplies and recharges the surface and reclaimed water. Every year since 1999, Avondale has stored more water in aquifers than it has pumped out. This stored water helps protect Avondale from drought related shortages.

Although Avondale does not face a water crisis, it is important to always remember what a precious resource our water is, and to conserve as much as possible.

This year’s calendar features “Avondale Scenes,” comprising photos submitted by amateur and professional photographers. The calendar also highlights interesting facts about the city, pertinent information about Public Works Department services, sustainability initiatives, water resources, water quality, solid waste recycling, and conservation tips.

Thank you for choosing Avondale as your home.

Avondale, Arizona is a community where people share a deep sense of pride in what has been accomplished and how far we have come. In Avondale, there is strong belief that the blending of a broad spectrum of cultures comes from a true sense of harmony throughout the community. Here, people and businesses are welcomed with open arms and supported in a way that exemplifies a dynamic, intelligent and driven city, ready to take on the future. Avondale is *Aspiring. Achieving. Accelerating.*

Avondale Public Works Department delivers essential public service to the community through valued customer service, effective operations, and sound planning.

Contact us: City of Avondale Public Works Department - Municipal Operations Service Center
399 E. Lower Buckeye Road., Avondale, AZ 85323 | (623) 333-4400
Water Bill Customer Service Questions (623) 333-2005
www.avondale.org/publicworks



July



January



August



February



September



March



October



April



November



May



December



June

2014 Annual Drinking Water Quality Report

Esta información es sobre el agua potable y es importante. Si no la puede leer, encuentre a alguien quien le puede traducir esta información..

We are pleased to present to you this year's water quality report. Our constant goal is to provide you with a safe and dependable supply of drinking water.

Avondale is committed to providing you with safe, reliable drinking water, and great service at an affordable price, each and every day. Part of this commitment is summarized in an annual report about our drinking water. The 2014 Water Quality Report provides important information about your drinking water including where the water comes from, the results of continuous testing, and how these results compare with federal standards. We work closely with the U.S. Environmental Protection (EPA), the Arizona Department of Environmental Quality (ADEQ) and Maricopa County Environmental Services to ensure we are meeting or surpassing all drinking water standards, and assuring you receive safe, high quality and reliable drinking water.

Our Water Source(s)

Our water source is the West Salt River Valley Sub-Basin aquifer. The City of Avondale uses a series of wells throughout the city service area to pump water from the aquifer.

General Information About Drinking Water

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection

Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and microbiological contaminants call the EPA Safe Drinking Water Hotline at 1-800-426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- ◆ **Microbial contaminants**, such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- ◆ **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- ◆ **Pesticides and herbicides** that may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.
- ◆ **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban stormwater runoff, and septic systems.
- ◆ **Radioactive contaminants**, that can be naturally occurring or be the result of oil and gas production and mining activities.

City of Avondale Public Water System
Number: AZ 04 07088

In order to ensure that tap water is safe to drink, the Arizona Department of Environmental Quality prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

UCMR3 Unregulated Contaminants

Unregulated substances are those for which EPA has not established drinking water standards. Avondale monitors for these substances to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The EPA issues a new list of up to 30 unregulated substances for monitoring every five years. Avondale has tested for these contaminants in 2001, 2003, 2008, and 2013.

In May 2013, the City of Avondale began monitoring for the UCMR 3 contaminants and obtained confirmation samples in 2014. Any unregulated contaminants detected are reported in the following table. There is naturally occurring chromium deposit in several entry points. Water from these sites currently meets the EPA standard for total chromium. If the EPA determines that regulation is warranted for any of the monitored substances, Avondale will take whatever steps are necessary to comply with any new requirements.

See Third Unregulated Contaminant Monitoring Rule (UCMR3) Table follows June Calendar.

Water Quality Data

We routinely monitor for contaminants in your drinking water according to Federal and State laws. The State of Arizona requires us to monitor for certain contaminants at various locations throughout the city. Testing is done at six entry points to the distribution system that represent the treated source water. Some of our data, though representative, may be more than one year old. We also perform tests throughout the distribution system at over 80 different locations to ensure the water entering your home or business remains safe and reliable.

These tables show the results of our monitoring for the period of January 1 to December 31, 2014 unless otherwise noted.

Inorganic Contaminants	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Arsenic	ppb	10	0	2.2	13.9	4.8	No	Erosion of natural deposits; runoff from orchards, glass and electronic production wastes
Barium	ppm	2	2	0.03	0.19	0.11	No	Discharge of drilling wastes; from metal refineries; erosion of natural deposits
Chromium	ppb	100	100	N/D	9	2	No	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride	ppm	4	4	0.10	1.13	0.30	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	ppm	10	10	1.2	9.6	5.6	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	ppb	50	50	N/D	18.9	6	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Radionuclides

Gross Alpha	pCi/L	15	0	N/D	4	1.4	No	Erosion of natural deposits
Radium 226 & 228	pCi/L	5	0	N/D	1.3	0.26	No	Erosion of natural deposits
Uranium	ppb	30	0	N/D	5.7	3.0	No	Erosion of natural deposits

Microbiological Contaminants

Microbiological Contaminants	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Total Coliform Bacteria for systems that collect >40 samples per month. 960 annual routine samples.	%	5	0	Absent	Present	2.5%	No	Naturally present in the environment

Disinfectants and Disinfection By-Products

Disinfectants and Disinfection By-Products	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHMs)	ppb	80	N/A	6.3	16.4	14.7	No	By-product of drinking water disinfection
Total Halocetic Acids (HAAs)	ppb	60	N/A	1.3	5.8	3.8	No	By-product of drinking water chlorination

Compliance is based on a system wide average, not the highest detected amount.

Chlorine Residual

Chlorine Residual	Units	MRDL	MRDLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
	ppm	4	4	0.12	2.9	0.97	No	Water additive used to control microbes

Lead and Copper Sample 2013

Lead and Copper Sample 2013	Unit	AL	MCLG	90th Percentile Value	Sites Exceeding Action Level	Likely Source of Contamination
Lead	ppb	15	0	1	0	Corrosion of household plumbing
Copper (30 Samples)	ppb	1300	N/A	200	0	Corrosion of household plumbing

Lead and Copper Rule Standard: 90% of homes tested must have lead and copper levels below the action level.

National Secondary Drinking Water Regulations are non-enforceable guidelines that may cause cosmetic effects in drinking water. EPA recommends these standards but does not require water systems to comply.

Contaminant	Unit	Secondary Standard	Avg. Detected
Grains per Gallon	Gr/gal	N/A	22
Hardness, Total	ppm	N/A	371
Iron	ppm	0.3	0.008
pH	Std Unit	6.5 - 8.5	7.7
Sodium	ppm		109
Sulfate	ppm	250	82
Temperature	°C	N/A	20.8
	°F	N/A	69.4
Total Dissolved Solids	ppm	500	665



Source Water Assessment

The Arizona Department of Environmental Quality (ADEQ) has performed an evaluation of the City of Avondale's sources of water to public water systems in Arizona. This evaluation determines the degree to which the source of water is protected. Based on the information currently available on the hydrogeologic settings of and the adjacent land uses that are in the specified proximity of the drinking water sources, ADEQ has given a low risk designation for the degree to which this public water system drinking water source is protected. A low risk designation indicates that most source water protection measures are either already implemented, or the hydrogeology is such that the source water protection measures will have little impact on protection.

Source Water Assessments are on file with the Arizona Department of Environmental Quality and available for public review at: ADEQ, 1110 W. Washington Street, Phoenix, AZ 85007 or by calling (602) 771-4641.

Terms & Abbreviations

To help you understand the terms and abbreviations used in this report, we have provided the following definitions:

- ◆ **Action Level (AL)** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- ◆ **Action Level Goal (ALG)** - The “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to health. The ALG allows for a margin of safety.
- ◆ **Maximum Contaminant Level (MCL)** - The “Maximum Allowed” is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- ◆ **Maximum Contaminant Level Goal (MCLG)** - The “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- ◆ **Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- ◆ **Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant, below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- ◆ **N/A** = not applicable; **N/D** = not detected
- ◆ **Parts per million (ppm) or Milligrams per liter (mg/L)** - one part per million corresponds to one minute in two years or a single penny in \$10,000.
- ◆ **Parts per billion (ppb) or Micrograms per liter (µg/L)** - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- ◆ **Picocuries per liter (pCi/L)** - picocuries per liter is a measure of the radioactivity in water.
- ◆ **Locational Running Annual Average (LRAA)** - An average of monitoring results for the previous 12 calendar months.

Please contact Frank Milam at (623) 333-4425, or via email fmilam@avondale.org, to learn more about what you can do to help protect your drinking water sources and any questions about the annual drinking water quality report.

Health Effect Information

About The Water Quality Data Table

Arsenic

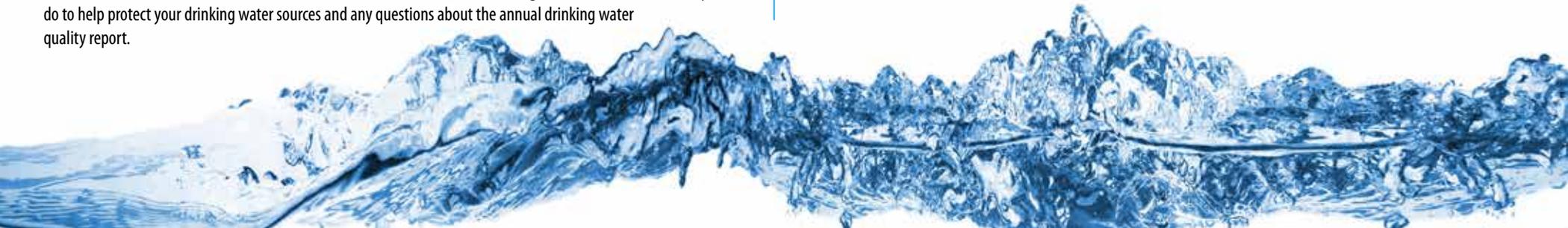
Due to the variation of the arsenic concentration, the City is providing the following statements as required by the US Environmental Protection Agency (EPA): If arsenic is less than the MCL, your drinking water meets EPA’s standards. EPA’s standard balances the current understanding of arsenic’s possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system and may have an increased risk of getting cancer.

Nitrate

In drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods-of-time because of rainfall or agricultural activity. If you are caring for an infant, and detected nitrate levels are above 5 ppm, you should ask advice from your health care provider.

Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The city of Avondale is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.







August

At Avondale's "Garden Patch" community garden, a variety of vegetables, fruits and herbs are grown. The community comes together to learn and share gardening ideas and exercise.

"Reaching for the Sky" – Photographer, Kaedian Richards

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
<p>TIP Monsoon Season Did you know that lightning converts atmospheric nitrogen into a nitrogen solution for plants? Capture rainwater for your plants and get the bonus of free water and fertilizer all in one.</p>		<p>JULY 2015</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>SEPTEMBER 2015</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					1
S	M	T	W	T	F	S																																																																																				
			1	2	3	4																																																																																				
5	6	7	8	9	10	11																																																																																				
12	13	14	15	16	17	18																																																																																				
19	20	21	22	23	24	25																																																																																				
26	27	28	29	30	31																																																																																					
S	M	T	W	T	F	S																																																																																				
			1	2	3	4																																																																																				
5	6	7	8	9	10	11																																																																																				
12	13	14	15	16	17	18																																																																																				
19	20	21	22	23	24	25																																																																																				
26	27	28	29	30																																																																																						
2	3	4	5	6	7	8																																																																																				
	COUNCIL MEETING BULK TRASH ZONE 1																																																																																									
9	10	11	12	13	14	15																																																																																				
DAY OF PLAY EVENT	COUNCIL MEETING BULK TRASH ZONE 2																																																																																									
16	17	18	19	20	21	22																																																																																				
	BULK TRASH ZONE 3																																																																																									
23	24	25	26	27	28	29																																																																																				
	BULK TRASH ZONE 4																																																																																									
	NO BULK TRASH																																																																																									
30	31																																																																																									





October

This scene of Avondale's Historic Western Avenue after a rain reminds us that water is all around us. In oceans, rivers and streams, as ice precipitates and clouds form, the Earth's water is constantly in motion as a result of the hydrologic (water) cycle.

"Foggy Day on Western Ave." – Photographer, Jim Painter

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
 <p>Got Hazardous Waste? Check for upcoming Household Hazardous Waste event dates posted at www.avondale.org/HHW</p>	<p>SEPTEMBER 2015</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				<p>NOVEMBER 2015</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							1	2	3
S	M	T	W	T	F	S																																																																																				
		1	2	3	4	5																																																																																				
6	7	8	9	10	11	12																																																																																				
13	14	15	16	17	18	19																																																																																				
20	21	22	23	24	25	26																																																																																				
27	28	29	30																																																																																							
S	M	T	W	T	F	S																																																																																				
1	2	3	4	5	6	7																																																																																				
8	9	10	11	12	13	14																																																																																				
15	16	17	18	19	20	21																																																																																				
22	23	24	25	26	27	28																																																																																				
29	30																																																																																									
4	5 COUNCIL MEETING BULK TRASH ZONE 1	6	7	8	9	10																																																																																				
11	12 BULK TRASH ZONE 2	13	14	15	16 RESIDENT APPRECIATION AND GAIN EVENT	17																																																																																				
18	19 COUNCIL MEETING BULK TRASH ZONE 3	20	21	22	23	24																																																																																				
25	26 BULK TRASH ZONE 4	27	28	29	30	31																																																																																				



November

Like a well-oiled machine, the City of Avondale's departments all play a role in helping to ensure that NASCAR race fans have a wonderful experience in our city as they visit Phoenix International Raceway.

"The Quiet Side of PIR" – Photographer, Kaedian Richards

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																					
1	2 COUNCIL MEETING BULK TRASH ZONE 1	3	4	5	6	7																																																																																					
8	9 BULK TRASH ZONE 2	10	11 Begin Holiday Sanitation Schedule (See table at rear of calendar.)  VETERANS DAY EVENT CITY OFFICES CLOSED	12 NASCAR RACES (NOV. 12 - 15)	13	14																																																																																					
15	16 COUNCIL MEETING BULK TRASH ZONE 3	17	18	19	20	21																																																																																					
22	23 BULK TRASH ZONE 4	24	25	26 Begin Holiday Sanitation Schedule (See table at rear of calendar.)  THANKSGIVING DAY CITY OFFICES CLOSED	27 CITY OFFICES CLOSED	28																																																																																					
29	30 NO BULK TRASH			 TIP Help keep fats, oils and grease out of drains. Scrape food, grease and used oil into the trash NOT down the sink or garbage disposal.	<p>OCTOBER 2015</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> </table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	<p>DECEMBER 2015</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
S	M	T	W	T	F	S																																																																																					
				1	2	3																																																																																					
4	5	6	7	8	9	10																																																																																					
11	12	13	14	15	16	17																																																																																					
18	19	20	21	22	23	24																																																																																					
25	26	27	28	29	30	31																																																																																					
S	M	T	W	T	F	S																																																																																					
			1	2	3	4	5																																																																																				
6	7	8	9	10	11	12																																																																																					
13	14	15	16	17	18	19																																																																																					
20	21	22	23	24	25	26																																																																																					
27	28	29	30	31																																																																																							



December

A view of the Gila River by El Mirage Road, as mist rises on a cool December morning.

"Mystified by the Gila River" – Photographer, Jim Painter

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 <p>Adjust your watering schedule each month to match seasonal conditions and landscape requirements. Deep, infrequent watering encourages strong healthy root systems that can better tolerate intense heat and periods of drought.</p>		1	2	3	4	5
6	7 COUNCIL MEETING BULK TRASH ZONE 1	8	9	10	11	HOLIDAY EVENT
13	14 BULK TRASH ZONE 2	15	16	17	18	19
20	21 COUNCIL MEETING BULK TRASH ZONE 3	22	23	24	25  Begin Holiday Sanitation Schedule (See table at rear of calendar.) CHRISTMAS DAY CITY OFFICES CLOSED	26
27	28 BULK TRASH ZONE 4	29	30	31	NOVEMBER 2015 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JANUARY 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



January

Avondale's Crystal Gardens Wetlands is a network of twenty-one cells that receives our surface water supplies and the vegetation, fish and microbes improve the water quality.

"Rising Above in Avondale" – Photographer, Kaedian Richards

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	DECEMBER 2015 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	FEBRUARY 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	<p>TIP Check for free landscape classes and learn about landscape watering, scheduling, pruning and what type of plants thrive in our desert environment. Classes are free.</p> <p>Look online at www.avondale.org/water for more information, or by calling the water conservation line at 623.333.4422.</p>	<p>1 Begin Holiday Sanitation Schedule (See table at rear of calendar.)</p> <p>NEW YEAR'S DAY CITY OFFICES CLOSED</p>	<p>2</p>	
<p>3</p>	<p>4</p> <p>COUNCIL MEETING BULK TRASH ZONE 1</p>	<p>5</p>	<p>6</p>	<p>7</p>	<p>8</p>	<p>9</p>
<p>10</p>	<p>11</p> <p>BULK TRASH ZONE 2</p>	<p>12</p>	<p>13</p>	<p>14</p>	<p>15</p>	<p>16</p>
<p>17</p>	<p>18 Begin Holiday Sanitation Schedule (See table at rear of calendar.)</p> <p>MARTIN LUTHER KING JR DAY CITY OFFICES CLOSED</p>	<p>19</p> <p>COUNCIL MEETING BULK TRASH ZONE 3</p>	<p>20</p>	<p>21</p>	<p>22</p>	<p>23</p>
<p>24</p>	<p>25</p>	<p>26</p>	<p>27</p>	<p>28</p>	<p>29</p>	<p>30</p> <p>DAY OF PLAY EVENT</p>
<p>31</p>	<p>BULK TRASH ZONE 4</p>					





March

If you climb to the top of Monument Hill, where the Base & Meridian point meet, there you can view the vast landscape of Avondale, stretching beyond into Phoenix. Monument Hill is listed on the National Registry of Historic Places.

"Monument Hill Majesty" – Photographer, Kaedian Richards

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	 <p>TIP Fix-a-leak Month You can learn easy strategies to find leaks in and outside your home by requesting a copy of "Find and Fix Leaks that are Draining Your Budget." www.smarthomewatguide.org</p>	1	2	3	4	5
6	7	8	9	10	11	12
TRES RIOS NATURE FESTIVAL	COUNCIL MEETING BULK TRASH ZONE 1				NASCAR RACES (MARCH 11 - 14)	TRES RIOS NATURE FESTIVAL
13	14	15	16	17	18	19
NATIONAL FIX-A-LEAK WEEK	BULK TRASH ZONE 2					
20	21	22	23	24	25	26
	COUNCIL MEETING BULK TRASH ZONE 3					
27	28	29	30	31	FEBRUARY 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	APRIL 2016 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
	BULK TRASH ZONE 4					



April

Spring is full of color, with desert poppies bloom.
 Visit www.avondale.org/water to learn the many ways to have a healthy, drought tolerant landscape.

"Poppies Aplenty in Avondale" – Photographer, Lauren Twigg

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
<p>TIP Spring Cleaning Got a smelly trash can, kitchen, or bathroom drain? Neutralize odors by sprinkling baking soda down the drain or into the trash can, pour in a cup of vinegar, wait ten minutes, rinse with water.</p>	<p>MARCH 2016</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			<p>MAY 2016</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							1	2
S	M	T	W	T	F	S																																																																																				
		1	2	3	4	5																																																																																				
6	7	8	9	10	11	12																																																																																				
13	14	15	16	17	18	19																																																																																				
20	21	22	23	24	25	26																																																																																				
27	28	29	30	31																																																																																						
S	M	T	W	T	F	S																																																																																				
1	2	3	4	5	6	7																																																																																				
8	9	10	11	12	13	14																																																																																				
15	16	17	18	19	20	21																																																																																				
22	23	24	25	26	27	28																																																																																				
29	30	31																																																																																								
3	4 COUNCIL MEETING BULK TRASH ZONE 1	5	6	7	8	9 KIDFEST EVENT																																																																																				
10	11 BULK TRASH ZONE 2	12	13	14	15	16																																																																																				
17	18 COUNCIL MEETING BULK TRASH ZONE 3	19	20	21	22 EARTH DAY	23																																																																																				
24	25 BULK TRASH ZONE 4	26	27	28	29 ARBOR DAY	30																																																																																				



May

Although the valley only averages 7 inches of rain per year, our reserves have grown by leaps and bounds thanks to federal, state and local water resource planning and investments. Avondale recharges its surface water supplies for the future.

"Double Rainbow Crossing the Tracks" – Photographer, A.O. Tucker

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
1 NATIONAL DRINKING WATER WEEK	2 COUNCIL MEETING BULK TRASH ZONE 1	3	4	5	6	7																																																																																				
8	9 BULK TRASH ZONE 2	10	11	12	13	14																																																																																				
15 NATIONAL PUBLIC WORKS WEEK	16 COUNCIL MEETING BULK TRASH ZONE 3	17	18	19	20	21																																																																																				
22	23 BULK TRASH ZONE 4	24	25	26	27	28																																																																																				
29	30  Begin Holiday Sanitation Schedule (See table at rear of calendar.) MEMORIAL DAY EVENT CITY OFFICES CLOSED	31 NO BULK TRASH	 TIP Use 2 to 4 inches of organic mulch around plants to reduce evaporation and save hundreds of gallons of water.		<p>APRIL 2016</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p>JUNE 2016</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
S	M	T	W	T	F	S																																																																																				
					1	2																																																																																				
3	4	5	6	7	8	9																																																																																				
10	11	12	13	14	15	16																																																																																				
17	18	19	20	21	22	23																																																																																				
24	25	26	27	28	29	30																																																																																				
S	M	T	W	T	F	S																																																																																				
					1	2																																																																																				
3	4	5	6	7	8	9																																																																																				
10	11	12	13	14	15	16																																																																																				
17	18	19	20	21	22	23																																																																																				
24	25	26	27	28	29	30																																																																																				



June

Water is a precious resource that also serves aesthetic and recreational purposes. Garden Lakes, the first masterplanned community in Avondale, has two lakes that serve as a tranquil amenity to its residents.

"Spending the Day Goosin Around" – Photographer, Jim Painter

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																											
	<p>TIP If water runs off your lawn easily, split your watering time to shorter periods to allow for better absorption.</p>		1	2	3	4																																																																																											
5	6	7	8	9	10	11																																																																																											
	<p>COUNCIL MEETING BULK TRASH ZONE 1</p>																																																																																																
12	13	14	15	16	17	18																																																																																											
	<p>BULK TRASH ZONE 2</p>																																																																																																
19	20	21	22	23	24	25																																																																																											
	<p>COUNCIL MEETING BULK TRASH ZONE 3</p>																																																																																																
26	27	28	29	30	<p>MAY 2016</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table> <p>JULY 2016</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1 2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>31</td></tr> </table>		S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					S	M	T	W	T	F	S							1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							31
S	M	T	W	T	F	S																																																																																											
1	2	3	4	5	6	7																																																																																											
8	9	10	11	12	13	14																																																																																											
15	16	17	18	19	20	21																																																																																											
22	23	24	25	26	27	28																																																																																											
29	30	31																																																																																															
S	M	T	W	T	F	S																																																																																											
						1 2																																																																																											
3	4	5	6	7	8	9																																																																																											
10	11	12	13	14	15	16																																																																																											
17	18	19	20	21	22	23																																																																																											
24	25	26	27	28	29	30																																																																																											
						31																																																																																											
	<p>BULK TRASH ZONE 4</p>																																																																																																

Third Unregulated Contaminant Monitoring Rule (UCMR3) Table

Substances	Units	MCL	Lowest Level	Highest Level	Avg.	Major Source in Drinking Water
Chromium (2014)	ppb	100	4.8	5.3	5.1	Naturally occurring element; used in making steel and other alloys; chromium-3 or chromium-6 forms are used for chromeplating, dyes and pigments, leather tanning and wood preservation.
Molybdenum (2014)	ppb	None	1.3	1.3	1.3	Naturally occurring element found in ores and present in plants, animals and bacteria; commonly used form molybdenum trioxide used as a chemical agent
Strontium (2014)	ppb	None	1500	1700	1600	Naturally occurring element; historically, commercial use of strontium has been in the faceplate glass of cathode ray tube televisions to block x ray emissions.
Vanadium (2014)	ppb	None	13	14	13.5	Naturally occurring elemental metal; used as a vanadium pentoxide which is a chemical intermediate and a catalyst
Chlorate (2013)	ppb	None	100	190	152	Agricultural defoliant or desiccant; disinfection byproduct; and used in production of chlorine dioxide.
Chromium-6 (2013)	ppb	None	1.2	11	6	Naturally occurring element; used in making steel and other alloys; used for chromeplating, dyes and pigments, leather tanning and wood preservation.
1,4-Dioxane (2013)		None	.08	0.33	0.21	A synthetic industrial chemical that is used as a solvent in products such as paints and lacquers, and in processes such as organic chemical manufacturing.

Avondale's Partnerships

The City of Avondale actively partners with other agencies and organizations to enhance the range of resources and information available to you.

Water, Use it Wisely

Avondale partners with Valley cities in this campaign to promote easy ways to save water. Learn how to make wise water decisions - visit www.wateruseitwisely.com.



Water Conservation Education Links & School Programs

Contact the Public Works Department at (623) 333-4422 for free water conservation presentations or log on to www.avondale.org/water for cool interactive water games for kids. Also visit www.projectwet.com.



Tap into Quality

Learn more about the safety, convenience and affordability of tap water. "Tap Into Quality" is a public education campaign designed to keep you informed about tap water. To learn more, visit www.tapintoquality.com.



Water Sense Partner

A partnership program with a goal of protecting the future of our nation's water supply by promoting and enhancing the market for water-efficient products and services. For WaterSense resources visit: www.epa.gov/watersense.



Arizona Municipal Water Users Association (AMWUA)

A voluntary, non-profit corporation established by municipalities in Maricopa County for the development of urban water resources policy. To learn more, visit www.amwua.org.



Valleywide Recycling Partnership

A number of valley communities came together to form Valleywide Recycling Partnership (VRP). The goal of this partnership is to divert as much garbage as possible from valley landfills through public awareness campaigns and educational programs.



Let's save money by reusing materials and products and by practicing smart shopping habits that reduce waste. Reducing waste, reusing materials and products, and recycling are some of the most effective and easiest ways we can protect the environment. www.recyclevrp.com

Learn More About Water

United States Environmental Protection Agency Safe Drinking Water Hotline

(800) 426-4791
www.epa.gov/safewater

Arizona Department of Environmental Quality

(602) 771-2300
www.adeq.state.az.us/enviro/water/index.html

Maricopa County Environmental Services Department

(602) 505-6666
www.maricopa.gov/envsvc/WaterWaste



Bulk Trash Service

ZONE 1 - Must be out by 5 am on the **1st Monday** of the month to get serviced this week.

ZONE 2 - Must be out by 5 am on the **2nd Monday** of the month to get serviced this week.

ZONE 3 - Must be out by 5 am on the **3rd Monday** of the month to get serviced this week.

ZONE 4 - Must be out by 5 am on the **4th Monday** of the month to get serviced this week.

Bulk Trash Tips & Reminders

- ▶ 3 Cubic yard limit
- ▶ No sod, dirt, rocks, bricks, tile or similar material will be collected
- ▶ No tires
- ▶ Brush or long wood needs to be cut to 4 feet in length and not in excess of 6 inches in diameter
- ▶ Place in street (please keep bulk off private property and side walk)
- ▶ Equipment might leave small material, debris and leaves
- ▶ Any box or container will be removed as bulk trash
- ▶ Box and bag small items for easy pick-up

Water Conservation

Avondale's Water Conservation Office is here to help you save water. We offer free workshops, publications and even rebates to encourage water conservation. To learn more, call (623) 333-4422 or email eavila@avondale.org to request a packet of information that can help you learn about native plants, rebate programs, watering guidelines and conservation.

Get Involved!

We welcome you to attend City Council meetings or other public forums. Council meetings are the first and third Monday of every month. Public meeting notices are posted on the City's web site at www.avondale.org and outside of Avondale City Hall, located at 11465 W. Civic Center Drive, Avondale.

Holiday Garbage & Recycling Schedule

On holiday weeks, collections days shift by one day. Please review the schedule below to determine how your collection day may be effected.

SEPTEMBER	MON	TUE	WED	THU	FRI	SAT
Labor Day (NO SERVICE) Sept. 7	9/7	9/8	9/9	9/10	9/11	9/12
NOVEMBER	MON	TUE	WED	THU	FRI	SAT
Veteran's Day (NO SERVICE) Nov. 11			11/11	11/12	11/13	11/14
Thanksgiving Day (NO SERVICE) Nov. 26				11/26	11/27	11/28
DECEMBER	MON	TUE	WED	THU	FRI	SAT
Christmas (NO SERVICE) Dec. 25					12/25	12/26
JANUARY 2016	MON	TUE	WED	THU	FRI	SAT
New Year's Day (NO SERVICE) Jan. 1					1/1	1/2
Martin Luther King, Jr Day (NO SERVICE) Jan. 18	1/18	1/19	1/20	1/21	1/22	1/23
FEBRUARY	MON	TUE	WED	THU	FRI	SAT
Presidents' Day (NO SERVICE) Feb. 15	2/15	2/16	2/17	2/18	2/19	2/20
MAY	MON	TUE	WED	THU	FRI	SAT
Memorial Day (NO SERVICE) May 30	5/30	5/31	6/1	6/2	6/3	6/4

If you have any questions or need additional information, please contact the Public Works Department at (623) 333-4700.

Recycle These Items

All Items Need To Be Placed Loosely In Container



CARDBOARD:
Must be cut down and empty of all packing materials



CARDBOARD:
Such as half-gallon milk or juice cartons



CHIPBOARD:
Like cereal, cracker, pasta and cake mix boxes (remove inserts)



MIXED PAPER:
Such as magazines, junk mail, catalogs, brown paper bags, and phone books.



GLASS:
Food or beverage glass bottles & jars only (No window panes, mirrors, ceramics or dishes)



NEWSPAPER:
Including advertising inserts



ALUMINUM CANS:
Beverage cans, clean foil and disposable baking pans



STEEL/TIN CANS:
Like soup or vegetable cans



PLASTIC CONTAINERS:
All numbers 1 thru 7; no food take-out containers



Avondale

Public Works Department
399 E. Lower Buckeye Road
Avondale, AZ 85323
www.avondale.org

Thank you to the following contributing
featured photographers:

Christina Underhill

City of Avondale Parks & Recreation Manager

Jim Painter

Photographer, former local news editor

Kaedian Richards

Employed through R&R Add Designs, LLC

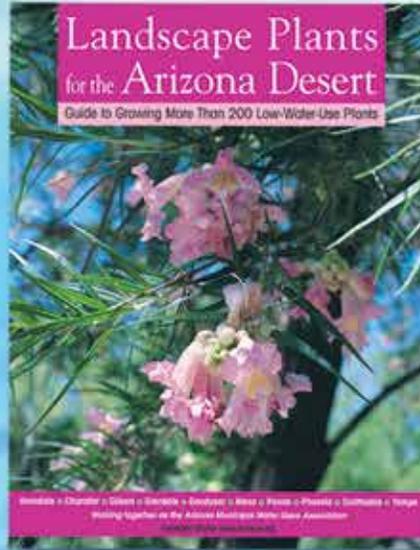
Lauren Twigg

City of Avondale Management Intern

A.O. Tucker

Owner of A.O. Tucker Fine Art Photography

*Landscape Plants
for the Arizona Desert*
Guide to growing more than
200 low-water use plants.



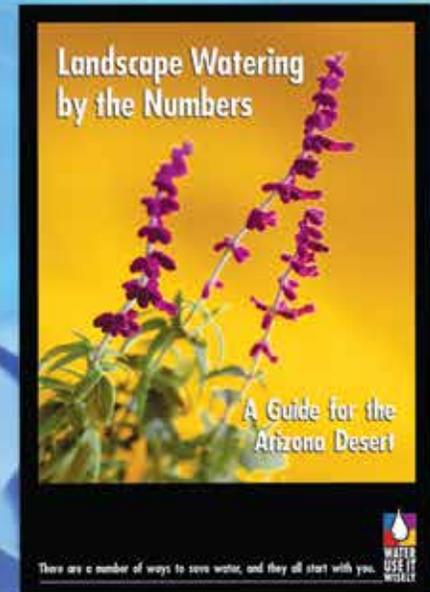
Xeriscape: Landscaping With
A step-by-step guide for planning,
installing, and caring for your landscape.



Conserve Water Outdoors

*Landscape Watering
by the Numbers -
A Guide for the Arizona Desert*

Explains how to properly water your
plants to keep them healthy and beautiful.



Booklets Available on-line at www.amwua.org