

Greetings from

AVONDALE

Arizona

Visitor Totally Tourist

Wish you were here

SIGHT SEEING

are we there yet?

PASSPORT

ARIZONA

Arizona became the 48th state on February 14, 1912, and is the sixth largest state in the U.S. at 114,006 square miles. The state also carries the distinction of leading the nation in copper production.

Artwork © Smith-Southwestern, Inc.

It is with great pleasure that we present the 2011/2012 Avondale Public Works Calendar. This year's edition features Avondale city buildings, landmarks, sights and scenes, in a pictorial scrapbook format that highlights all the wonderful things about living and working in Avondale.



We hope you enjoy this "tour" of Avondale. We feel privileged to serve you.



Our Public Works Department proudly serves all the sites you see in this calendar in one way or another, such as providing water and wastewater services, solid waste and recycling services, maintaining streets, as well as the city fleet that serves them. We also serve all the businesses, schools, churches and other organizations, and the 27,000 households in the city of Avondale.



REST & RELAX

Travel

CONTACT US

Avondale's Public Works Department is here to serve you!

399 E. Lower Buckeye Rd.

Avondale, AZ 85323

(623) 333-4400

www.avondale.org/water

Hours of Operation: Mon - Thurs 7 am - 6 pm; Closed Friday

After Hours Water Quality or Main Breaks: (623) 333-4400

Water Bill Customer Service: (623) 333-2005

GET INVOLVED!

We welcome you to attend City Council meetings or other public forums. Council meetings are every first and third Monday of the 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.

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/environ/water/index.html

Maricopa County Environmental Services Department

(602) 505-6666 • www.maricopa.gov/envsvc/Wwmd.asp

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.

AVONDALE'S WATER PARTNERS

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/arizona.



Water Conservation Education Links & School Programs

Contact the Water Resources 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.



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 Rinse Smart

Replace your high water use, low pressure pre-rinse spray valves with lower water use, higher pressure valves. If you are a restaurant or school in Avondale that would like to participate in this free program please contact the water conservation staff at (623) 333-4422.



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.

PRESERVE OUR ENVIRONMENT AND GROUND WATER SUPPLY!

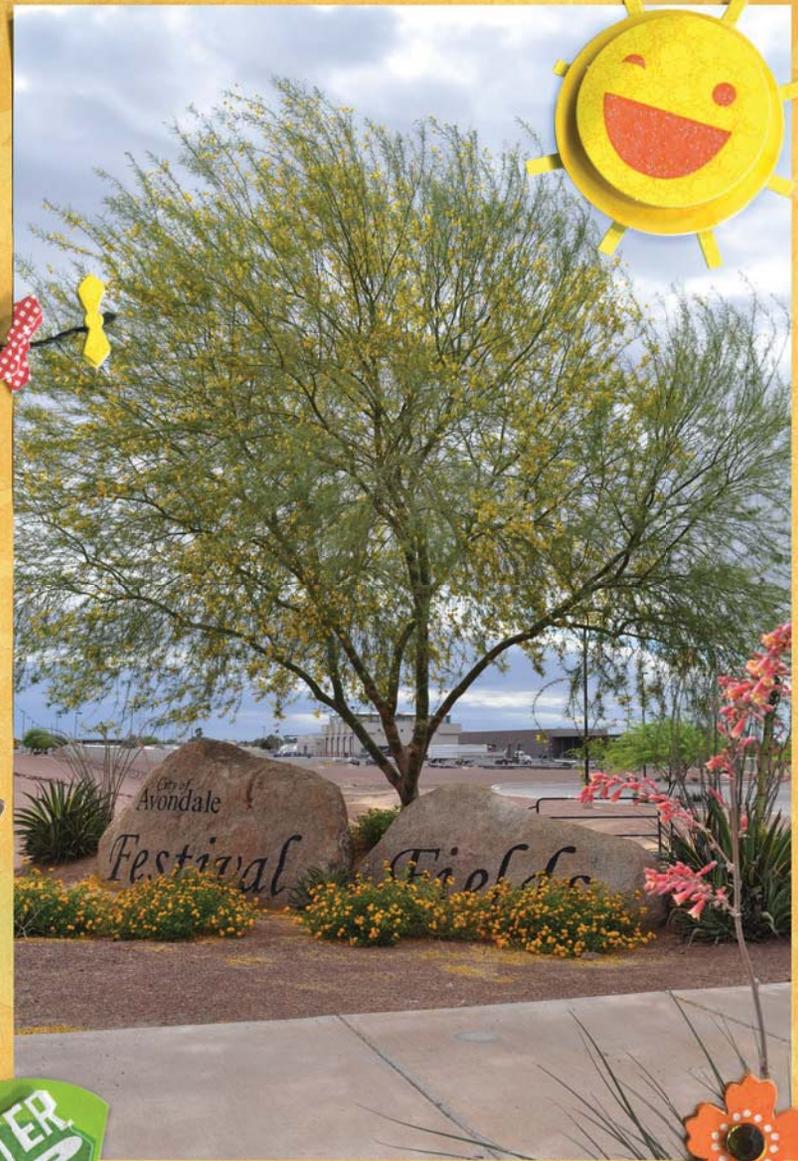
Prevent Stormwater Drain Pollution

- ✓ Pick up pet waste
- ✓ Save hazardous waste for city collection events
- ✓ Use kitty litter to absorb oil and grease on pavement
- ✓ Use "non-toxic" cleaners

Remember - what goes into the ground and down the drain may wind up in our drinking water!



PICNIC

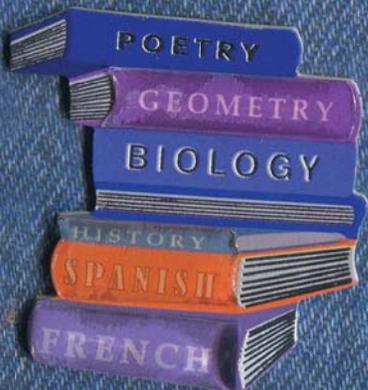
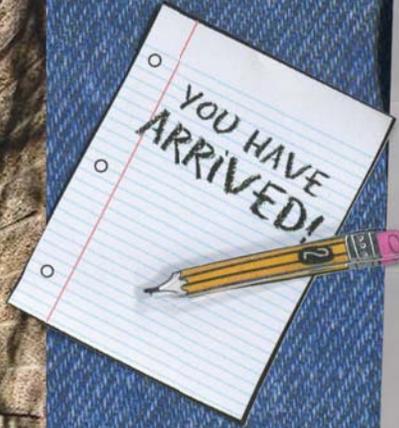
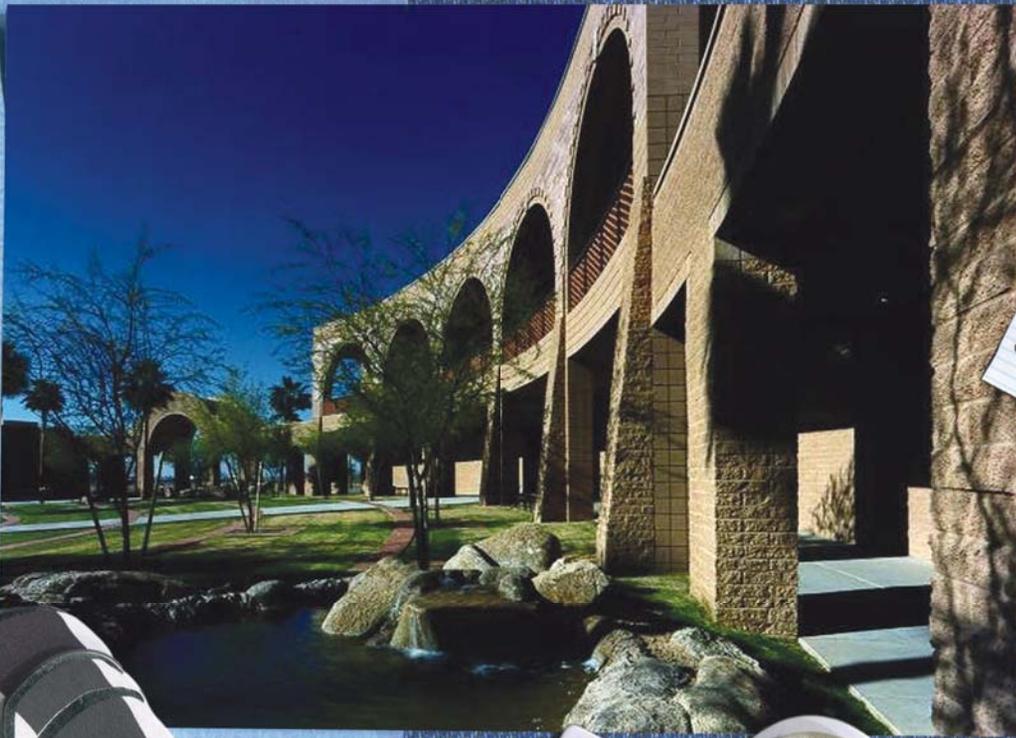




July

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Set bulk trash out by 5 a.m.				1	2
3	4 Independence Day City Observed Holiday Offices Closed Bulk Trash Zone 1	5	6	7	8	9
10	11 Council Meeting Bulk Trash Zone 2	12	13	14	15 Bag and tie non-flushable products and throw them in the trash can.	16 Not all flushable products can go down the drain
17	18 Council Meeting Bulk Trash Zone 3	19	20	21	22	23
24	25 Bulk Trash Zone 4	26	27 Recycle steel and tin cans (soup and vegetable cans).	28 Turn off water while brushing your teeth - 2 gallons per minute.	29	30 26% of indoor water use goes to flushing toilets.
31						

When it comes to places to play, Avondale's parks have it all! From vast ball fields and playgrounds to a Japanese garden and a dog park, residents and visitors enjoy these open space amenities all year round! Avondale's Friendship Park and Festival Fields welcome approximately a quarter of a million visitors each year through tournaments, sports leagues, practices and events.



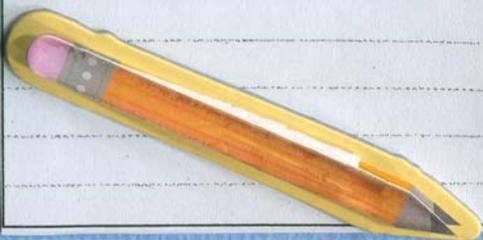
STUDY GROUP



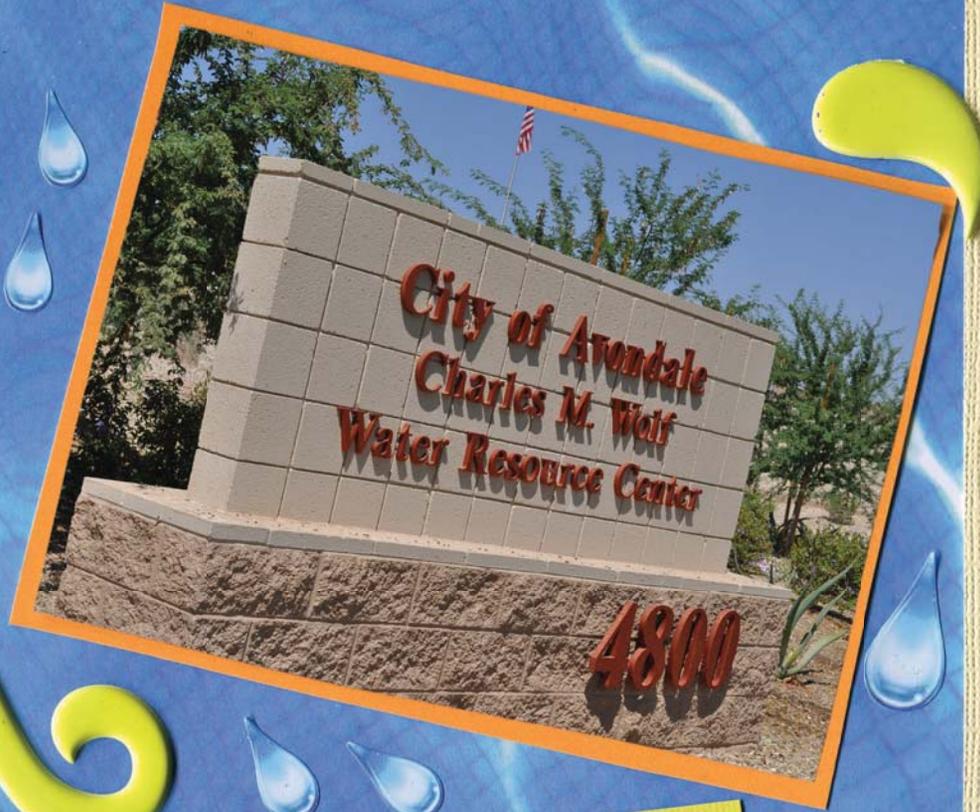
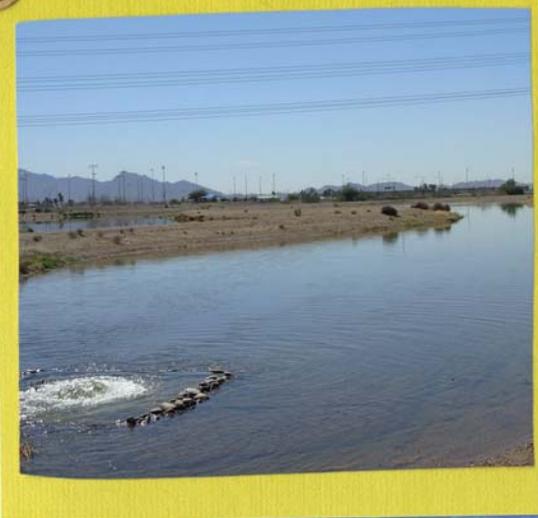
AUGUST

Avondale has six school districts within its boundaries – from elementary and middle schools to high schools and institutions for higher learning. In addition to great public schools, charter and private schools provide residents a wide variety of choices in meeting their children’s academic needs. Estrella Mountain Community College enrolls approximately 13,000 students annually, providing educational opportunities, workforce training and community education programs for the entire western metropolitan population.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 Council Meeting Bulk Trash Zone 1	2	3	4 Color Your World Landscape Class.	5	6
7	8 Council Meeting Bulk Trash Zone 2	9	10	11	12	13
14	15 Bulk Trash Zone 3	16	17	18 Recycle: - Newspaper - Advertising Inserts - Phone Books - Catalogs - Junk Mail	19	20
21	22 Bulk Trash Zone 4	23	24	25	26	27
28	29	30	31			



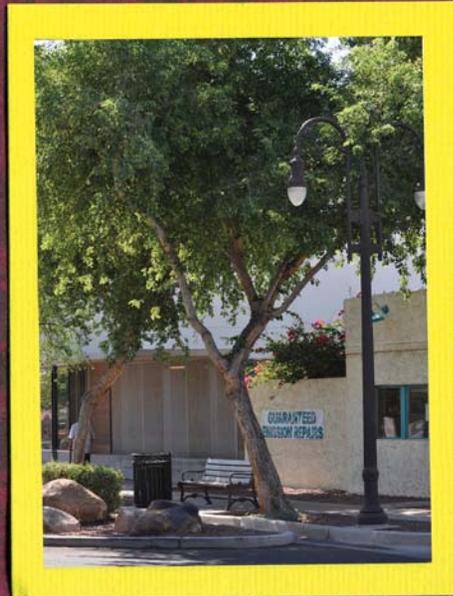
recharge



SEPTEMBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
	<i>Labor Day City Observed Holidays Offices Closed Bulk Trash Zone 1</i>	<i>Council Meeting</i>				
11	12	13	14	15	16	17
	<i>Bulk Trash Zone 2</i>		<i>Sustainable Vegetable Gardening Class.</i>			
18	19	20	21	22	23	24
	<i>Council Meeting Bulk Trash Zone 3</i>	<i>Recycle plastic containers 1 – 7 except styrofoam.</i>		<i>Introduction to Xeriscape Class.</i>		
25	26	27	28	29	30	
	<i>Bulk Trash Zone 4</i>					

Wonder where it all goes every time you flush? Avondale's Water Reclamation Facility collects, cleans and disinfects the city's wastewater. A \$40 million dollar expansion project completed in the spring of 2010, has increased the city's capacity to handle the wastewater treatment needs into the future. As part of this major project, Avondale also constructed a 24-inch pipeline that carries reusable water from the Charles M. Wolf Resource Center to the Avondale McDowell Recharge site, where the cleaned and disinfected effluent is recharged back into the aquifer, thus augmenting Avondale's water supply for generations to come.



October

In its heyday in the 30s, 40s and 50s, Western Avenue was Avondale's main street, offering old fashioned soda shops and hardware stores to a marquee theater. As with many downtowns that were bypassed by the arrival of the freeway, Western Avenue saw a decline for a period. That has all changed in the past decade, thanks to the city's commitment to redevelopment in the Old Town area. A streetscape project has created a lush, green, pedestrian friendly area; long time businesses have been joined by new ones, to include restaurants, a bakery, a bridal shop, a hair salon and barber shop, a reception hall, a rare books store, an antique gallery, a trophy shop, a florist and gift store, a cupcake shop and a community-oriented funeral service. An ongoing façade improvement project and the addition of the Sam Garcia Western Avenue Library has added splashes of color and unique architectural treatments to this neighborhood main street.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 Council Meeting Bulk Trash Zone 1	4	5	6	7 Do your part to keep our sewers clean! Keep fats, oils, and grease out of drains.	8
9	10 Columbus Day Bulk Trash Zone 2	11	12	13	14	15 Place black and blue garbage/recycle containers at the curb by 5 a.m.
16	17 Council Meeting Bulk Trash Zone 3	18	19	20 Landscape Watering By the Numbers Class.	21	22
23	24 Bulk Trash Zone 4	25	26	27	28	29
30	31					





NOVEMBER

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



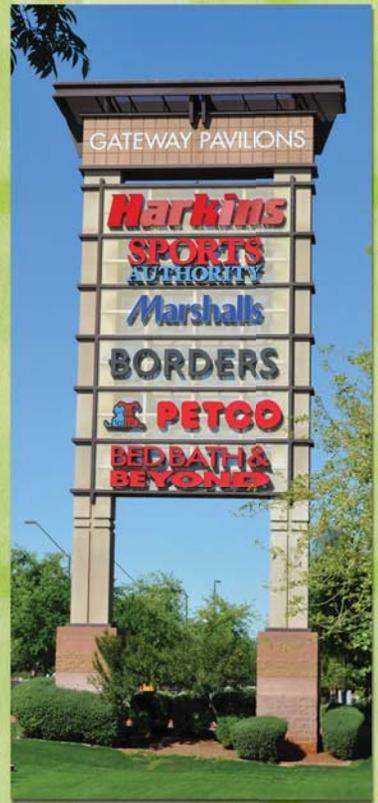
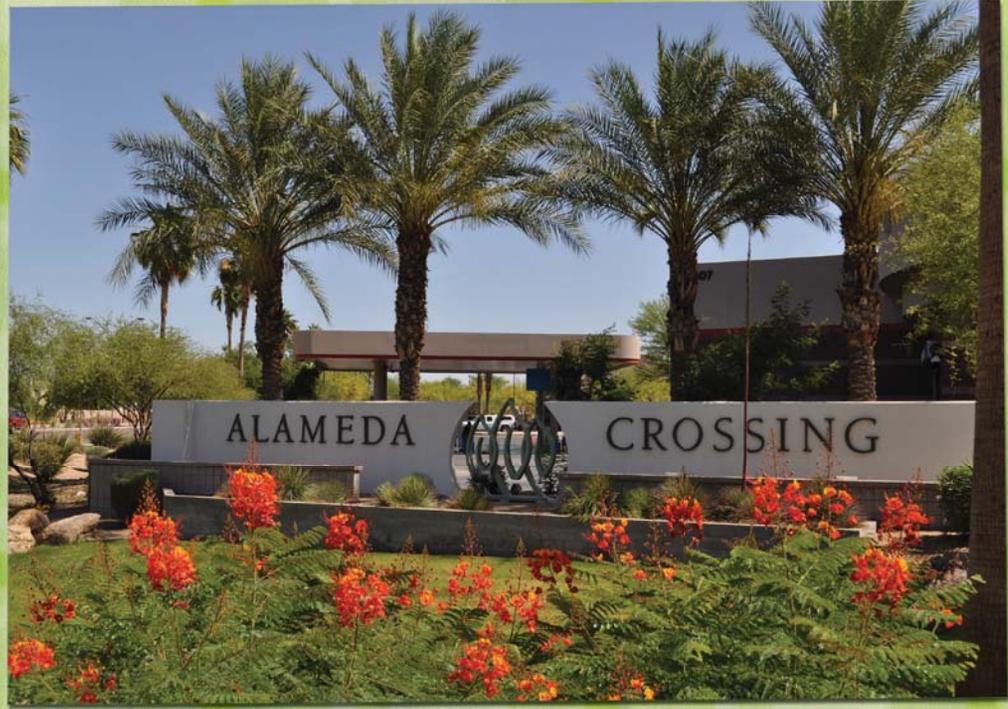
Hundreds of thousands of visitors come to Avondale yearly to experience all types of national sporting events. Avondale is home to Phoenix International Raceway (PIR), which hosts two NASCAR races annually attracting nearly 400,000 enthusiasts and hundreds of race teams, contributing hundreds of millions of dollars into the state and local economy. Avondale's population swells by tens of thousands each race weekend, when scores of RVs and motorhomes set up camp next to the race-track. With millions of dollars of improvements on going at PIR, race fans' experience will be heightened when the track re-opens this month.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3 <i>Pruning Basics</i>	4	5
6	7 <i>Daylight Saving Time ends</i> <i>Council Meeting</i> <i>Bulk Trash Zone 1</i>	8	9	10 <i>Bermuda grasses are dormant in the winter and will only require water once every 3-4 weeks or less if it rains</i>	11 <i>Veteran's Day</i> <i>City Observed</i> <i>Holiday</i> <i>Offices Closed</i>	12
13	14 <i>Bulk Trash Zone 2</i>	15	16	17	18	19
20	21 <i>Council Meeting</i> <i>Bulk Trash Zone 3</i>	22	23	24 <i>Thanksgiving Day</i> <i>City Observed</i> <i>Holiday</i> <i>Offices Closed</i>	25 <i>Day After Thanksgiving</i> <i>City Observed</i> <i>Holiday</i> <i>Offices Closed</i>	26
27	28 <i>Bulk Trash Zone 4</i>	29	30			<i>Sewer overflows, water main breaks, call Avondale Public Works @ (623) 333-4400</i>

let's go shopping

sale

FOOD



KEEP GREEN IN
Avondale, AZ



1ST CAR



BUCKLE UP



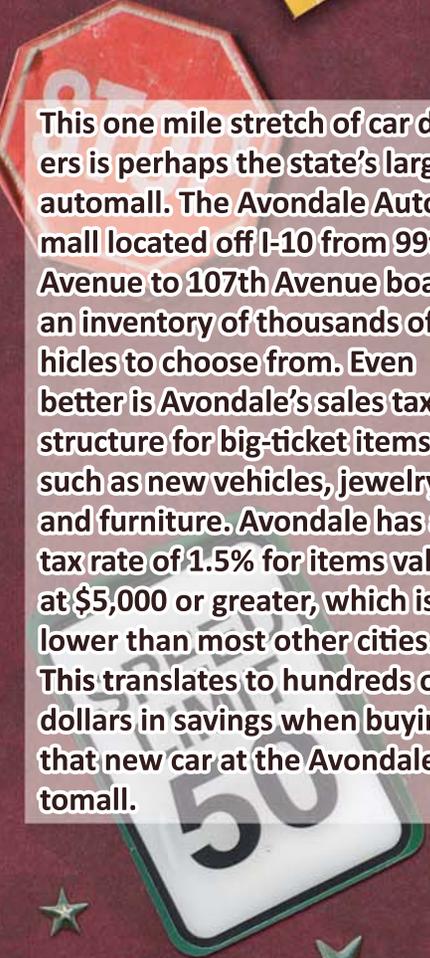


January

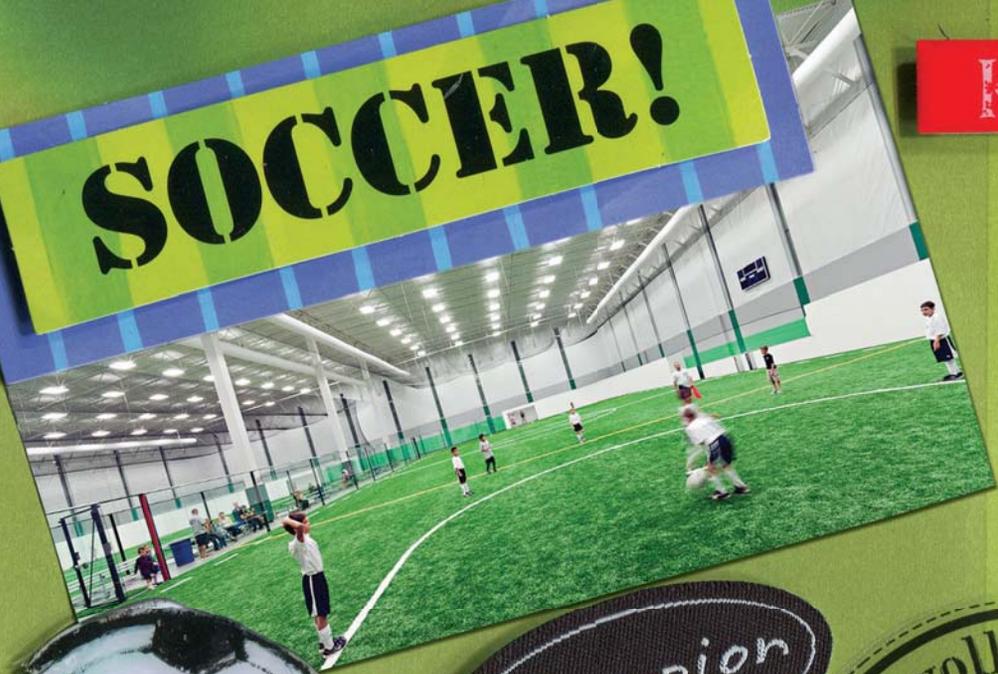
SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

This one mile stretch of car dealers is perhaps the state's largest automall. The Avondale Automall located off I-10 from 99th Avenue to 107th Avenue boasts an inventory of thousands of vehicles to choose from. Even better is Avondale's sales tax structure for big-ticket items such as new vehicles, jewelry and furniture. Avondale has a tax rate of 1.5% for items valued at \$5,000 or greater, which is lower than most other cities. This translates to hundreds of dollars in savings when buying that new car at the Avondale Automall.

1 <i>New Year's Day</i>	2 <i>Council Meeting Bulk Trash Zone 1</i>	3	4	5	6	7
8	9 <i>Bulk Trash Zone 2</i>	10	11 <i>Perform frequent checks on your irrigation system.</i>	12	13	14
15	16 <i>Martin Luther King Jr. Day City Observed Holiday Offices Closed Bulk Trash Zone 3</i>	17 <i>Council Meeting</i>	18	19 <i>Avoid planting on hills or slopes where water can drain off.</i>	20	21
22	23 <i>Bulk Trash Zone 4</i>	24 <i>Council Meeting</i>	25	26	27	28
29	30	31				



SOCCER!



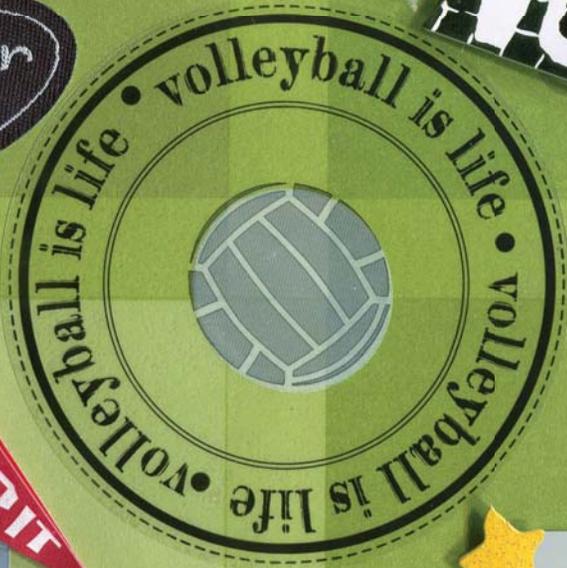
KICK IT!



VOLLEYBALL



Champion



SCORE!



ALL-STAR • ALL-STAR • ALL-STAR • ALL-STAR • ALL-STAR • ALL-STAR

ALL-STAR!





February

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



American Sports Center Avondale @ the Randall McDaniel Sports Complex offers 83,000 square-feet of indoor sports space for basketball, volleyball, soccer and more. Avondale's partnership with ASC Avondale marks a unique private-public venture with a huge economic benefit to the region. The sports center is the first phase of development of the Avondale City Center, proposed as an exciting mixed use development with day time and evening attractions, office and residential space and more.

Photos of American Sports Center - Avondale, provide by Liam Frederick www.liamphoto.com

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
				Groundhog Day		
5	6	7	8	9	10	11
	Council Meeting Bulk Trash Zone 1					
12	13	14	15	16	17	18
	Bulk Trash Zone 2	Arizona's 100th Birthday Valentine's Day				
19	20	21	22	23	24	25
	President's Day City Observed Holiday Offices Closed Bulk Trash Zone 3	Council Meeting			After last frost, trim frost- damaged plants and start a compost pile!	
26	27	28	29			
	Bulk Trash Zone 4					You can reduce your landscape watering 30 to 50 percent by adjusting your irrigation each season.





TAKE
A
HIKE!



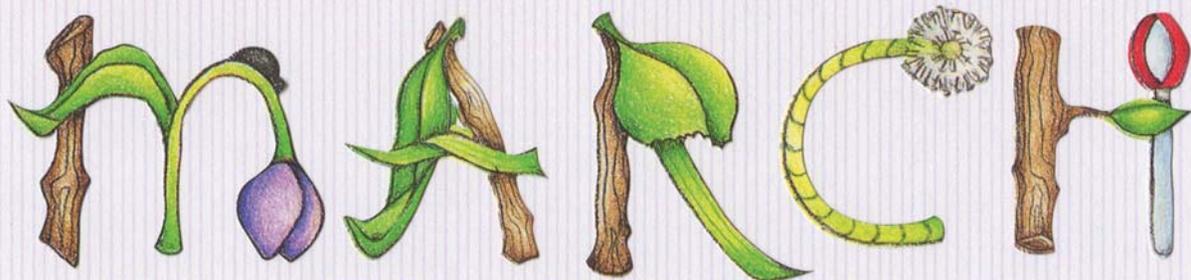
THE GREAT
OUTDOORS

THIS PROPERTY HAS BEEN
PLACED ON THE
NATIONAL REGISTER
OF HISTORIC PLACES
BY THE UNITED STATES
DEPARTMENT OF THE INTERIOR



NATURE WALK





SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

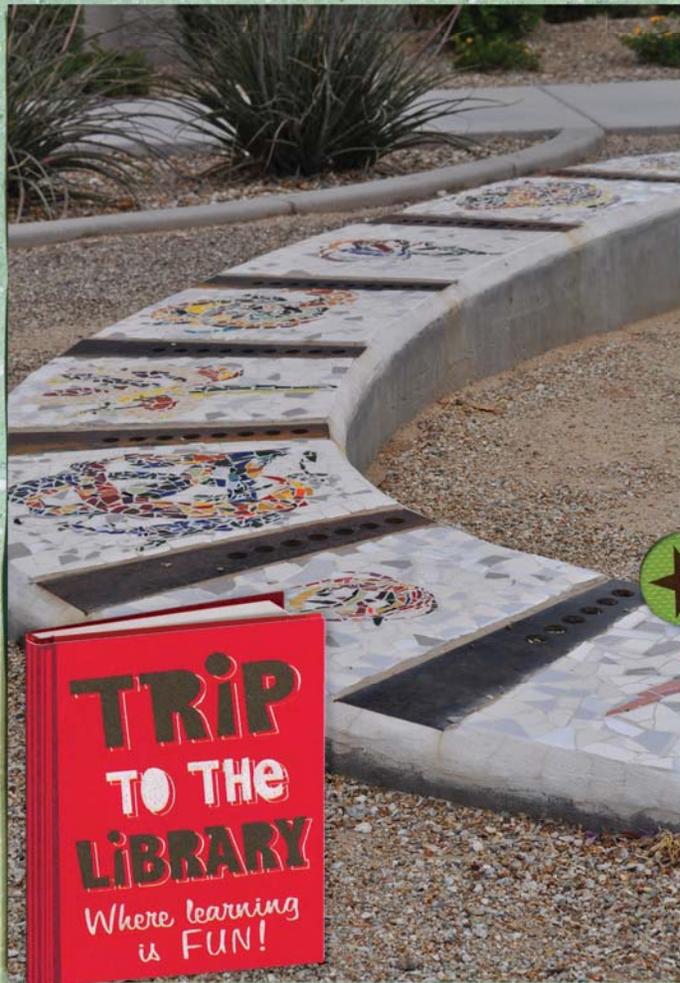
SATURDAY

				1	2	3
4	5 Council Meeting Bulk Trash Zone 1	6	7	8	9	10 One for Water 4 Mile Run www.amwua.org
11 Daylight Saving Time begins Fix a Leak Week!	12 Bulk Trash Zone 2	13	14	15	16	17 St. Patrick's Day
18 Inspect your irrigation system for leaks, broken sprinkler heads, and missing emitters.	19 Council Meeting Bulk Trash Zone 3	20	21	22	23	24
25	26 Bulk Trash Zone 4	27	28	29	30	31 Water in the early morning – more water will get to the roots instead of evaporating due to the sun and wind.

Did you know that the initial survey point for the State of Arizona, where the Base Line and Principal Meridian meet is in Avondale? This initial point, known as Monument Hill located at the confluence of the Salt and Gila Rivers, has been named a National Historic Landmark. Below Monument Hill, is the Base & Meridian Wildlife Area, a 198-acre riparian habitat that is home to many species of bird, fowl, mammal, fish, and vegetation. The area is so important to Arizona and the preservation of its natural habitat, that the Audubon Society and Bird Life International recently designated the area as an Important Bird Area. Each year, the Tres Rios Nature Festival is held at the B&M area to celebrate the natural beauty, wildlife habitat



MY FAVORITE BOOK



Library Card
My PaSS to DiCoVeRy
BELONGS TO _____



ReAd & Learn



DISCOVER



April



SUNDAY

MONDAY

TUESDAY

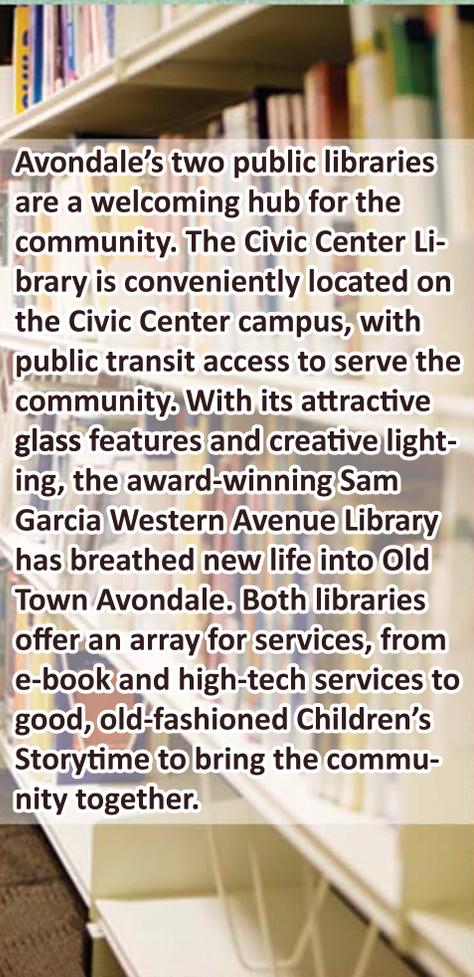
WEDNESDAY

THURSDAY

FRIDAY

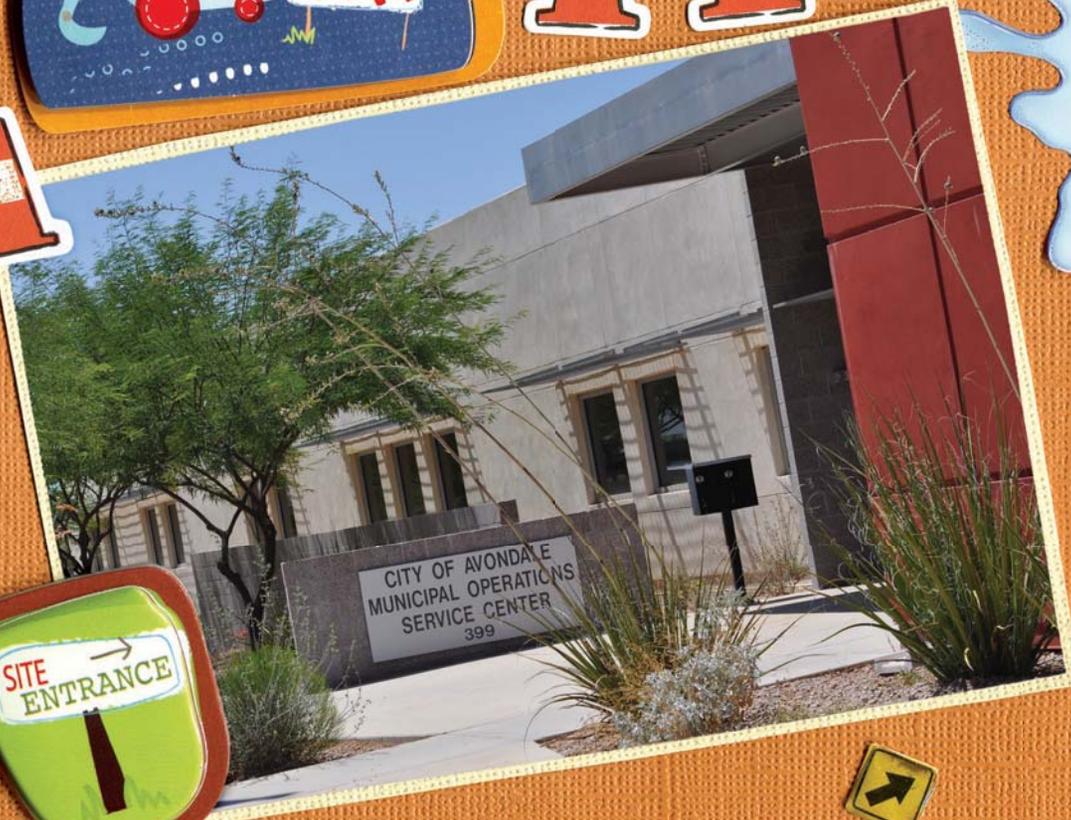
SATURDAY

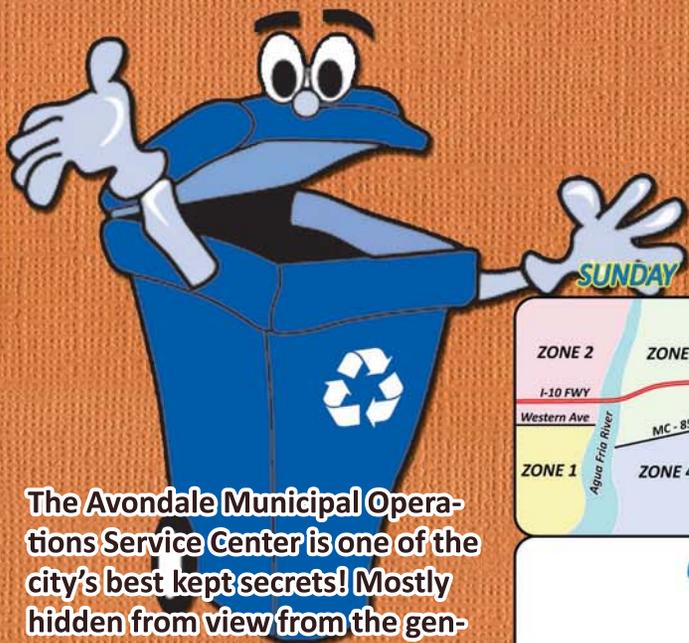
1 <i>April Fool's Day</i>	2 <i>Council Meeting Bulk Trash Zone 1</i>	3	4 <i>Visit wateruseitwisely.com/ Arizona for an interactive irrigation run time worksheet.</i>	5	6 <i>Good Friday</i>	7
8 <i>Easter Day</i>	9 <i>Bulk Trash Zone 2</i>	10	11	12	13	14
15	16 <i>Council Meeting Bulk Trash Zone 3</i>	17	18	19	20	21
22 <i>Earth Day Plant a Tree!</i>	23 <i>Bulk Trash Zone 4</i>	24	25 <i>Water deeply but infrequently.</i>	26	27	28
29	30 <i>Plants don't save water, people do. Check for outdoor leaks.</i>				<p>APRIL is Water Awareness Month.</p>	



Avondale's two public libraries are a welcoming hub for the community. The Civic Center Library is conveniently located on the Civic Center campus, with public transit access to serve the community. With its attractive glass features and creative lighting, the award-winning Sam Garcia Western Avenue Library has breathed new life into Old Town Avondale. Both libraries offer an array for services, from e-book and high-tech services to good, old-fashioned Children's Storytime to bring the community together.

UNDER CONSTRUCTION





may



SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY



The Avondale Municipal Operations Service Center is one of the city's best kept secrets! Mostly hidden from view from the general public, this functional facility houses the operations of the city's Public Works and Transportation Departments. It is also where the city's, approximately 350 vehicle, fleet are refueled, repaired, and maintained.

6

7
Council Meeting
Bulk Trash Zone 1

8

9

10

11

12
Cinco De Mayo

13
Mother's Day

14
Bulk Trash Zone 2

15

16

17
Everything in Blue container does not have to be bagged.

18

19

20
National Public Works Week

21
Council Meeting
Bulk Trash Zone 3

22

23
Aerate your lawn by walking around in cleats. This will increase water absorption.

24

25

26

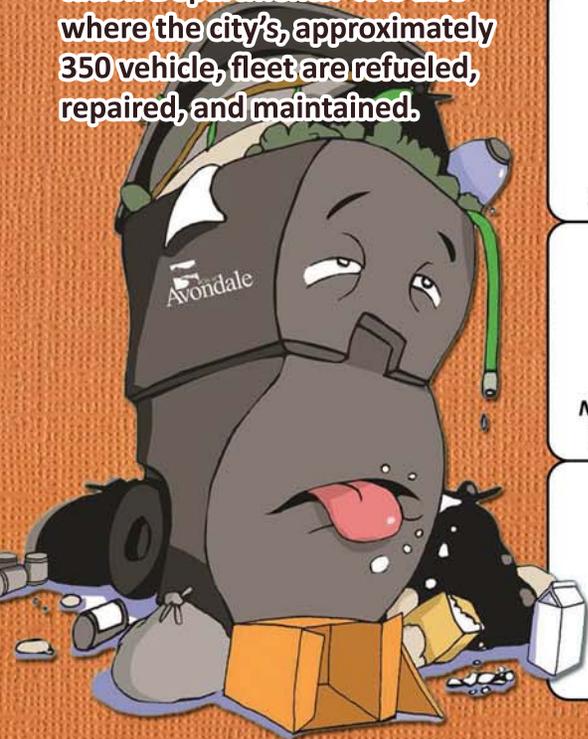
27

28
Memorial Day
City Observed
Holiday
Offices Closed
Bulk Trash Zone 4

29

30

31



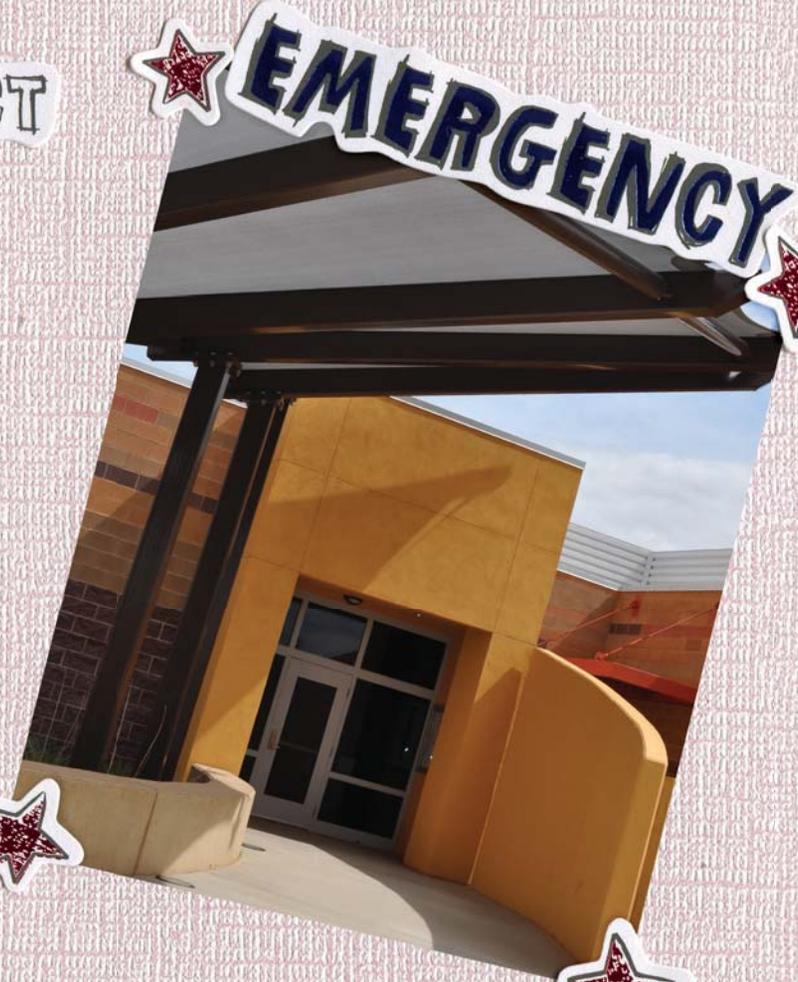


SERVE AND PROTECT



EMERGENCY

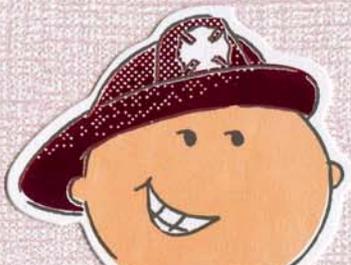
EMERGENCY
VEHICLE
PARKING
ONLY



FLARE

POLICE





When it comes to protecting and keeping our community safe, Avondale's Police Department and Fire/Rescue are second to none! Avondale Fire/Rescue were dispatched to nearly 6,000 fire or emergency medical calls last year; provided numerous fire prevention and life safety education opportunities for the public and trained residents certified civilian emergency responders.



Avondale has seen its crime rate continue to fall, thanks in part to proactive measures of the crime-fighting, federally-funded Community Action Team, and professionally trained, highly-skilled uniformed, civilian and volunteer personnel. Avondale's Public Safety personnel remind you to PLEASE watch all children around water all year round.

JUNE



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4 Council Meeting Bulk Trash Zone 1	5	6	7	8	9
10	11 Bulk Trash Zone 2	12	13 Summer Lawn Care Water once every 3 - 6 days to a typical root depth of 6 inches Fertilize and Aerate!	14 Flag Day	15	16
17 Father's Day	18 Council Meeting Bulk Trash Zone 3	19	20	21 Summer Begins	22 You can reduce your landscape watering 30 to 50 percent by adjusting your irrigation each season.	23
24	25 Bulk Trash Zone 4	26	27	28 Reduce shower time - 2.5 gallons per minute.	29	30

2010 ANNUAL DRINKING WATER QUALITY REPORT FOR PUBLIC WATER SYSTEM

Name: City of Avondale • Public Water System Number: AZ 04 088

Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

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.

Our Water Sources

Our water source is the West Salt River Valley Sub-Basin aquifer. If we used purchased water, this report is required to include water quality data for the purchased water with this report.

Source Water Assessments on file with the Arizona Department of Environmental Quality are available for public review. If a Source Water Assessment is available, you may obtain a copy of it by contacting the Arizona Source Water Coordinator at (602) 771-4641.

Source Water Assessment Report provides a screening-level evaluation of potential contamination that **could** occur. It does not mean that the contamination has or will occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan.

Potential sources of contamination in our source water area come from: surface water intrusion to unprotected wells.

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.

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.

Unregulated Contaminants

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The following contaminants were tested for in 2001, 2003, and 2008 but not found:

Acetochlor, Alachlor, Metolachlor, acetochlor ethane sulfonic acid (ESA), Acetochlor oxanilic acid (OA), Alachlor ESA, Alachlor OA, 2,4-Dinitrotoluene, Metolachlor ESA, Metolachlor OA, Nitrobenzene, N-nitroso-di-n-butylamine (NDBA), N-nitroso-diethylamine (NDEA), N-nitrosodimethylamine (NDMA), N-nitroso-di-n-propylamine (NDPA), N-nitrosomethylethylamine (NMEA), N-nitrosopyrrolidine (NPYR), 1,3-dinitrobenzene, hexahydro-1,3,5-trinitro-1,3,5-triazine; 2,4,6-trinitrotoluene; 2,2',4,4',5,5'-hexabromobiphenyl; 2,2',4,4',6-pentabromodiphenyl ether; 2,2',4,4',5,5'-hexabromodiphenyl ether; 2,2',4,4'-tetrabromodiphenyl ether; 2,2',4,4',5-pentabromodiphenyl ether; dimethoate; and terbufos sulfone.



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 less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Some of our data, though representative, may be more than one year old.

These tables show the results of our monitoring for the period of January 1 to December 31, 2010 unless otherwise noted.

Contaminant	MCL	MCLG	Units	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Arsenic	10	0	ppb	0.002	0.003	0.003	No	Erosion of natural deposits; runoff from orchards, glass and electronic production wastes
Asbestos	7	7	MFL	0	0.200	0.200	No	Decay of asbestos cement water mains; erosion of natural deposits
Barium	2	2	ppm	0.020	0.180	0.114	No	Discharge of drilling wastes; from metal refineries; erosion of natural deposits
Chromium	0.100	0.100	ppm	0.003	0.010	0.003	No	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride	4	4	ppm	0.110	1.18	0.307	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	10	10	ppm	2.42	9.85	5.40	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	0.05	0.05	ppm	0.002	0.008	0.005	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Xylenes	10	10	ppm	ND	0.005	0.005	No	Discharge from petroleum factories; discharge from chemical factories
Alpha Photon Emitters	15	0	pCi/L	0.500	7.90	3.26	No	Erosion of natural deposits
Beta Photon Emitters	4	0	mrem/yr	ND	ND	ND	No	Decay of natural and man-made deposits
Combined Radium	5	0	pCi/L	0.400	1.90	0.12	No	Erosion of natural deposits
Uranium	30	0	ppb	1.00	6	2.45	No	Erosion of natural deposits
Radon	300	N/A	pCi/L	16	276	120	No	Radon is a naturally-occurring radioactive gas that may cause cancer, and may be found in drinking water and indoor air

Microbiological Contaminants	MCL	MCLG	Unit	Result	Violation	Likely Source of Contamination
Total Coliform Bacteria for Systems that collect >40 samples per month	No more than 5% of monthly samples can be positive	0	Absent or Present	0	No	Naturally present in the environment

Disinfectants and Disinfection By-Products	MCL	MCLG	Units	Low Range	High Range	Running Annual Average	Likely Source of Contamination
Total TTHMs	0.08	N/A	ppm	0.0025	0.0411	0.0573	By-product of drinking water disinfection
Total Halocetic Acids	0.06	N/A	ppm	0.0020	0.0054	0.0089	By-product of drinking water disinfection

Chlorine Residual	MRDL	MRDLG	Units	Low Range	High Range	Average Detected	Likely Source of Contamination
	4	4	ppm	0.98	1.25	1.15	Water additive used to control microbes

Lead and Copper Sample 2010	AL	ALG	Units	90th Percentile	No. of Sites over AL	Violation	Likely Source of Contamination
Lead	0.015	0	ppm	0.001	30	No	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Copper	1.3	1.3	ppm	0.250	30	No	Corrosion of household plumbing systems, erosion of natural deposits

Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects or aesthetic effects in drinking water. EPA recommends these standards but does not require water systems to comply.

Contaminant	Secondary Standard	MCLG	Units	Level Detected/Range	Violation
Grains per Gallon	N/A	N/A	Gr/gal	20	No
Hardness (Total)	N/A	N/A	ppm	339	No
Iron	0.3	N/A	ppm	0.012	No
pH	6.5 – 8.5	N/A	ppm	7	No
Sodium	250	N/A	ppm	142	No
Sulfate	250	N/A	ppm	77	No
Total Dissolved Solids	500	N/A	ppm	656	No

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. Arizona's Source Water Assessment Program was approved by the EPA in November 1999. 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.





Health Effects Information About the Water Quality Data Table

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.

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.

RADON is a radioactive gas that you cannot see, taste, or smell. It is found throughout the United States. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through soil, radon entering the home through water will in most cases be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. For additional information, call your state radon program or call EPA's Radon Hotline (800-SOS-RADON)

LEAD Infants and young children are typically more vulnerable to **lead** in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. Flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the EPA **Safe Drinking Water Hotline** at 1-800-426-4791.

Please contact: **Esmie Avila** at (623) 333-4422 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.

*We want you, our valued customers, to be informed
about the services we provide and the quality water
we deliver to you every day.*

Terms and Abbreviations

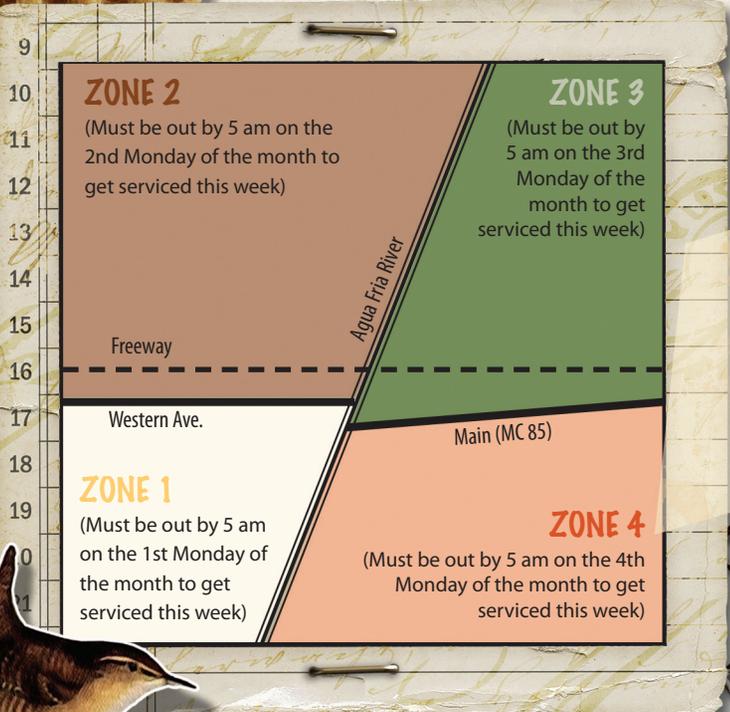
To help you understand the terms and abbreviations used in this report, we have provided the following definitions:

- ▶ **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.
- ▶ **Parts per trillion (ppt) or Nanograms per liter (nanograms/L)** - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.
- ▶ **Parts per quadrillion (ppq) or Picograms per liter (picograms/L)** - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.
- ▶ **Picocuries per liter (pCi/L)** - picocuries per liter is a measure of the radioactivity in water.
- ▶ **Nephelometric Turbidity Unit (NTU)** - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- ▶ **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.
- ▶ **Treatment Technique (TT)** - A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.
- ▶ **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 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 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.
- ▶ **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.
- ▶ **Running Annual Average (RAA)** - An average of monitoring results for the previous 12 calendar months.
- ▶ **Millirems per year = mrem/yr**
- ▶ **MFL = million fibers per Liter**



BULK TRASH SERVICE INFORMATION & SCHEDULE

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



2011	Zone 1	Zone 2	Zone 3	Zone 4
Jul	4	11	18	25
Aug	1	8	15	22
Sep	5	12	19	26
Oct	3	10	17	24
Nov	7	14	21	28
Dec	5	12	19	26
2012	Zone 1	Zone 2	Zone 3	Zone 4
Jan	2	9	16	23
Feb	6	13	20	27
Mar	5	12	19	26
Apr	2	9	16	23
May	7	14	21	28
Jun	4	11	18	25

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

For more info on bulk items contact Public Works.

- ZONE 1**
- ▶ Litchfield Mountain View
 - ▶ Old Avondale South of Western
 - ▶ Tres Rios
- ZONE 2**
- ▶ Corte Sierra
 - ▶ Dysart Ranch
 - ▶ Fulton Estates
 - ▶ Las Palmeras
 - ▶ Old Avondale North of Western
 - ▶ Rancho Sante Fe
 - ▶ Rio Crossing
 - ▶ Sage Creek
- ZONE 3**
- ▶ Coldwater Springs
 - ▶ Crystal Gardens
 - ▶ Crystal Park
 - ▶ Crystal Point
 - ▶ Crystal Ridge
 - ▶ Donatela I
 - ▶ Donatela II
 - ▶ Desert Spring Village
 - ▶ Garden Lakes
 - ▶ Garden Park
 - ▶ Garden Trails
 - ▶ Glenarm Farms
- ZONE 3 continued**
- ▶ Glenhurst
 - ▶ Harbor Shores
 - ▶ Los Arbolitos
 - ▶ Oak Park
 - ▶ Palm Garden
 - ▶ Palm Meadows
 - ▶ Pecan Grooves
 - ▶ Roosevelt Park
 - ▶ Starlight Trail
 - ▶ Upland Park
 - ▶ Waterford
 - ▶ Westwind
- ZONE 4**
- ▶ Cambridge Estates
 - ▶ Cantada Ranch
 - ▶ Cashion
 - ▶ Coldwater Ridge
 - ▶ Del Rio Ranch
 - ▶ Diamond Ridge
 - ▶ Durango Park
 - ▶ Field Crest
 - ▶ Las Ligas
 - ▶ Littleton Manor
 - ▶ Ranchettes
 - ▶ Rio Vista
 - ▶ Rio Vista Estates
 - ▶ Sanctuary

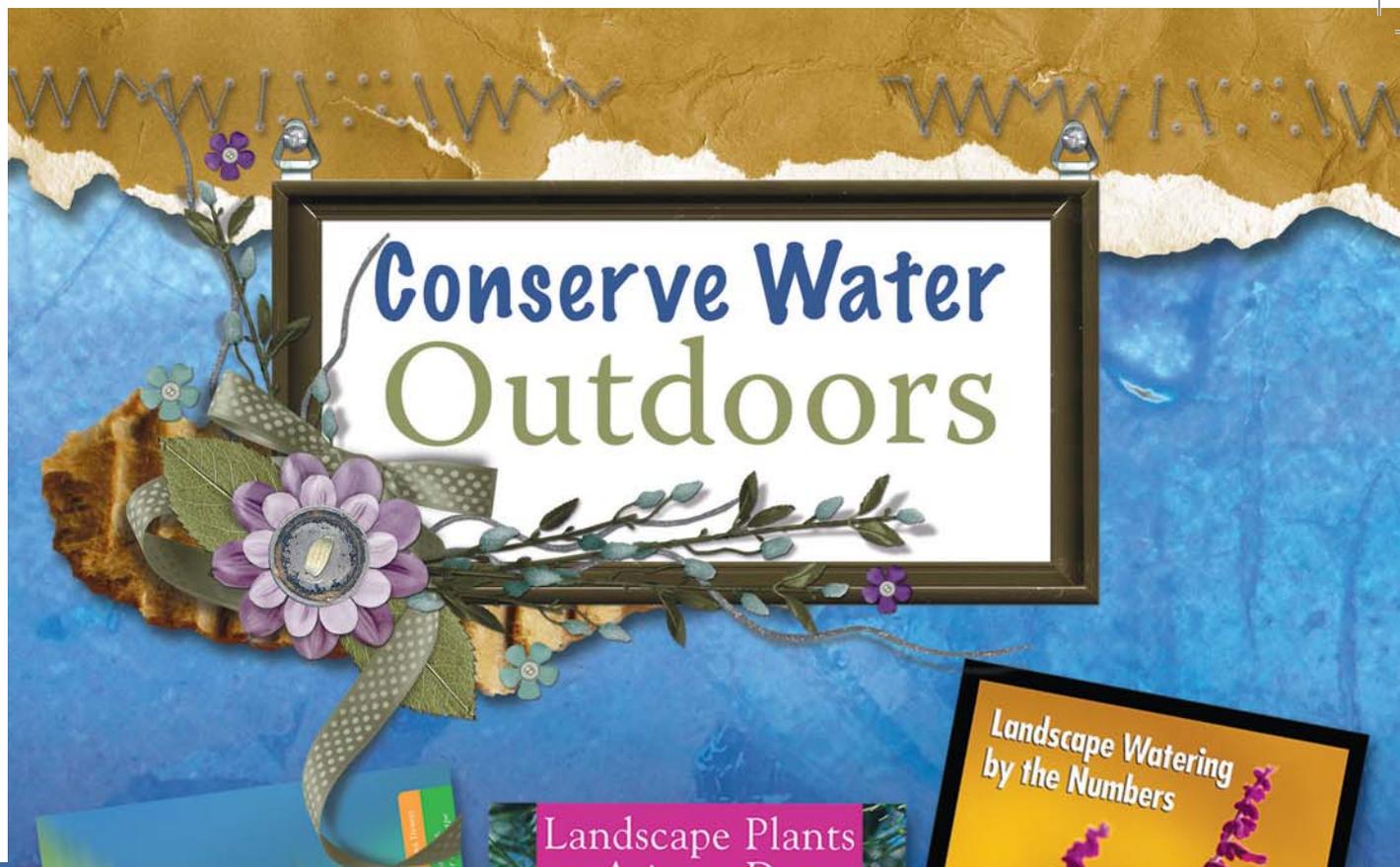
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Public Works Department
399 E. Lower Buckeye Rd. • Avondale, AZ 85323
www.avondale.org/water

Our quality of life in the desert depends on water. It is critical to every aspect of our lives, and we must learn to conserve and extend this limited resource.

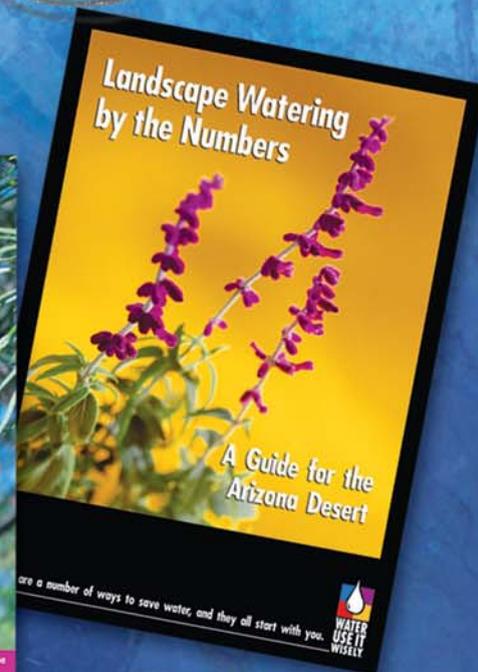
It may surprise you to learn that up to 70% of household water is used outdoors. Studies have found that some homeowners use 2 to 5 times more water than is really needed in their landscapes. Oftentimes landscape watering can be substantially reduced with no visible effects on the plants. By selecting low-water-use plants and watering them properly, homeowners and landscape professionals have a unique opportunity to reduce the amount of water it takes to keep our landscapes attractive, healthy, and thriving. Avondale residents can request free brochures and information on Avondale's water conservation programs by calling (623) 333-4422 or by email at eavila@avondale.org. *More water conservation tips can be found at: www.amwua.org*



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



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



Landscape Watering by the Numbers - A Guide for the Arizona Desert
Explains how to properly water your plants to keep them healthy and beautiful.