

ARIZONA

WATERWAYS

Avondale

PUBLIC WORKS

2019/2020 CALENDAR

ANNUAL WATER QUALITY REPORT

Cover Photo by An Pham features the Tres Rios Base & Meridian Wildlife Recreation Area in Avondale's own backyard!



A message from the Public Works Director to Avondale Water Customers

Avondale residents have been working very hard to conserve water, and we thank you for your continued efforts! It's because of your actions that we have reduced the impacts of the current drought. The City will continue to enrich our water portfolio and "water savings" account to mitigate the long-term impact. Our portfolio consists of surface, reclaimed and recovered groundwater. While Avondale's population has grown steadily over the years, through significant investments in infrastructure, reuse of water and water conservation, our water use is essentially the same as it was more than twenty years ago! Smart planning and careful allocation of our water is important for the success of our city.

This Annual Water Quality Report is provided to you as mandated by federal and state requirements to inform you where your water comes from, the results of continuous testing and how results compare with federal standards. As your water provider, we are dedicated to maintaining the quality and safety of your drinking water.

This year's calendar features the various reservoirs, dams, rivers and wetlands that make everyday living in Arizona possible. These waterways are critical to the Arizona's economic growth, are enjoyed by over 1.5 million residents each year, contribute \$1.5 billion to the state's economy, and support 114,000 jobs according to a report released by Audubon Arizona. Water-based outdoor recreation as an industry ranks above mining and golf in terms of total economic output to the state. Our waterways need to be protected. They are a valuable resource that enhance the quality of life for our community and are vital to the growth of our economy. We invite you on an Arizona Waterways Roadtrip: a 12-month journey exploring the vast beauty and recreational opportunities offered by Arizona's rivers, wetlands, dams and reservoirs. So grab the family, pack up your water shoes, a picnic lunch and let's hit the road!

Thank you for choosing Avondale as your home.

Cindy Blackmore, *Public Works Director*

To learn more about the important efforts to protect and preserve the watersheds in perpetuity for all water users visit:

- 💧 WatershedConnection.com
- 💧 SRPwater.com
- 💧 AZWater.gov
- 💧 DroughtFacts.com
- 💧 www.audubon.org/conservation/western-water-initiative

Avondale



City of Avondale, AZ Government



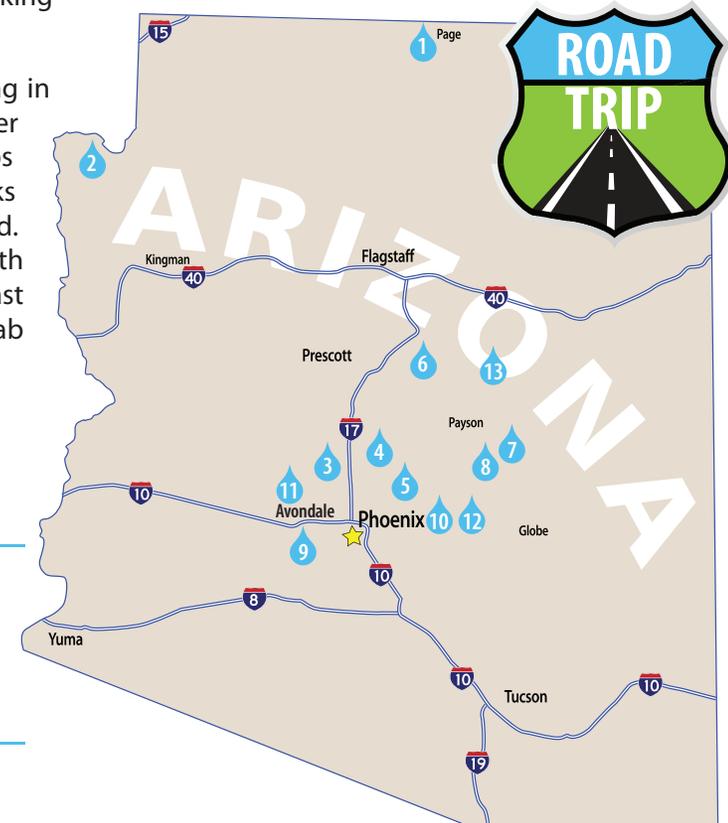
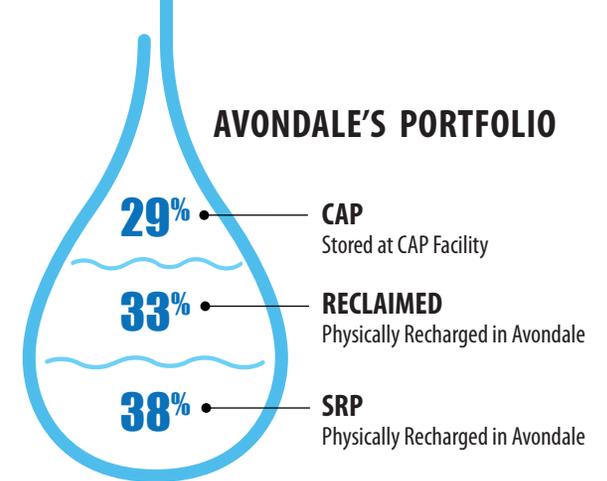
<https://nextdoor.com/agency/city-of-avondale>

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.avondaleaz.gov/publicworks

AVONDALE'S PORTFOLIO



- | | | |
|-------------------|-------------------|---------------------------|
| 1. Lake Powell | 6. Verde River | 11. Crystal Gardens |
| 2. Lake Mead | 7. Roosevelt Lake | 12. Canyon Lake |
| 3. Lake Pleasant | 8. Apache Lake | 13. C.C. Cragin Reservoir |
| 4. Horseshoe Lake | 9. Tres Rios | |
| 5. Bartlett Lake | 10. Saguaro Lake | |

2018 ANNUAL DRINKING WATER QUALITY REPORT

Este informe contiene informacion muy importante sobre la calidad de su agua potable. Traduscalo o hable con alguien que lo entienda bien.

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 pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies. We work closely with the U.S. Environmental Protection (EPA), the Arizona Department of Environmental Quality (ADEQ), the Maricopa County of 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 and deliver it to our customers.

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 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 can also 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 EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

UCMR 4 Unregulated Contaminants

Unregulated substances are those for which EPA has not established drinking water standard. Avondale monitors for those 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.

In September 2018, Avondale began monitoring the first round of the Fourth Unregulated Contaminant Rule (UCMR 4). Any unregulated contaminants detected are reported in the following table. 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 requirement.

See Third Unregulated Contaminant Monitoring Rule (UCMR 4) Table follows June Calendar.

WATER QUALITY DATA

The EPA and State of Arizona require 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 90 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, 2018 for PWS 04-07088, unless otherwise noted.

Inorganic Contaminants	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Arsenic	ppb	10	0	1.1	2.2	1.7	No	Erosion of natural deposits; runoff from orchards, glass and electronic production wastes
Barium (2016)	ppm	2	2	0.03	0.19	0.19	No	Discharge of drilling wastes; from metal refineries; erosion of natural deposits
Chromium (2016)	ppb	100	100	N/A	21	21	No	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride (2016)	ppm	4	4	0.12	1.14	1.14	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	ppm	10	10	1.57	7.89	4.83	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite	ppm	1	1	N/D	0	0	No	
Selenium (2016)	ppb	50	50	N/D	9	9	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Radionuclides

Radium 226 & 228 (2016)	pCi/L	5	0	N/D	1.2	1.2	No	Erosion of natural deposits
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Microbiological Contaminants

Revised Total Coliform Rule (RTCR) 1080 Annual routine samples	N/A	TT	N/A	N/A	N/A	N/A	No	Naturally present in the environment
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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	16	19	17.5	No	By-product of drinking water disinfection
Total Halocetic Acids (HAAs)	ppb	60	N/A	1.9	2.3	2.1	No	By-product of drinking water chlorination

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

Chlorine Residual

Units	MRDL	MRDLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
ppm	4	4	.09	1.75	1.06	No	Water additive used to control microbes

Lead and Copper Sample 2016

Unit	AL	MCLG	90th Percentile Value	Sites Exceeding Action Level	Likely Source of Contamination
Lead	.015	0	1.1	0	Corrosion of household plumbing
Copper	1.3	1.3	.211	0	Corrosion of household plumbing

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

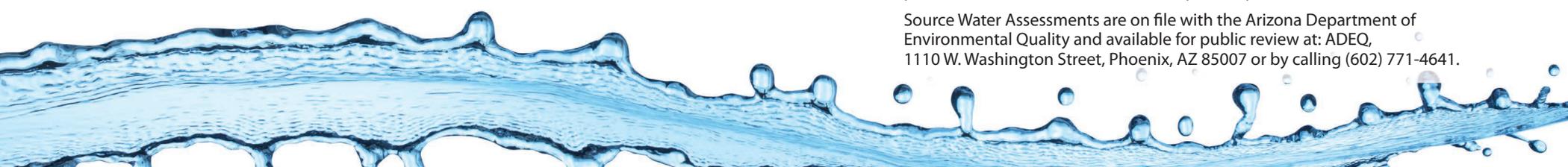


	pH (Field) in S.U.	Temp (Field) in °C	Calcium in mg/L	Magnesium in mg/L	Sodium in mg/L	Sulfate in mg/L	Total Hardness in mg/L	Total Alkalinity in mg/L	Total Dissolved Solids in mg/L
Secondary Standard MCL	6.5-8.5	None	None	None	None	250.0	None	None	500
Annual average	7.46	26.4	77	45	106	80	379	155	686
Avg Grains per Gallon							22		

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.
- ◆ **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 Hayley Buzulencia, Environmental Technician, or David Allred, Water Quality and Compliance Supervisor, at (623) 333-4400, for any questions about the annual drinking water quality report.

HEALTH EFFECT INFORMATION

About The Water Quality Data Table

ARSENIC

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. 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.

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, 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 <http://www.epa.gov/safewater/lead>.





JULY

Lake Powell , Horseshoe Bend | The Colorado River is the lifeblood of the American West - it provides drinking water for nearly 40 million people, irrigates 5.5 million acres of farmland, and supports wetlands and riparian forests. Avondale recharges its allocation of the Colorado River water in various recharge projects.

Photo Credits: Large scenic view of Horseshoe Bend is by bluebe from Depositphotos.com. Dam inset is courtesy of the Bureau of Reclamation.

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AUGUST

Established as America's first National Recreation Area in 1936, **Lake Mead** is the largest reservoir in the United States. In 2019, a Drought Contingency Plan agreement was passed and the states that rely on the Colorado River committed to taking less water from Lake Mead over the next seven years, to ensure that Lake Mead does not plummet to dangerously low levels, thus protecting the ability to generate hydropower which is vital to all economies.

Photo Credits: Photos are courtesy of the Bureau of Reclamation.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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	BULK TRASH ZONE 1					
11	12	13	14	15	16	17
	COUNCIL MEETING BULK TRASH ZONE 2					
18	19	20	21	22	23	24
	BULK TRASH ZONE 3					
25	26	27	28	29	30	31
Check the city calendar for upcoming free landscape classes.	COUNCIL MEETING BULK TRASH ZONE 4					



SEPTEMBER

The major reservoir of the Central Arizona Project (CAP) system and Maricopa Water District (MWD) is **Lake Pleasant**, a 15.5 square-mile lake used to collect and store runoff from the Agua Fria and Colorado Rivers. CAP pumps water into the lake, filling it in the winter months and releasing water during the hot summer months. Lake Pleasant, only 30 minutes from Avondale, offers plenty of opportunities for fun with two marinas, several campgrounds and an RV destination.

Photo Credits: Scorpion Bay photos are courtesy of Smidge Design Studio & Desert Troon Companies.

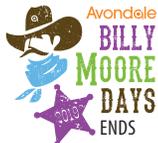
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2 Begin Holiday Sanitation Schedule (See table at back of calendar.)  CITY OFFICES CLOSED	3 BULK TRASH ZONE 1	4	5	6	7
8	9 COUNCIL MEETING BULK TRASH ZONE 2	10	11	12	13	14
15	16 BULK TRASH ZONE 3	17	18	19	20	21
22	23 COUNCIL MEETING BULK TRASH ZONE 4	24	25	26	27	28
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OCTOBER

Horseshoe Dam and Lake | Surface water from lakes, rivers and streams is Arizona's major renewable resource. When snowfall in the mountains north east of Phoenix melts, it forms small streams and rivers that becomes the Verde River Watershed. This watershed is approximately 13,000 square miles which is part of the Salt River water supply system.

Photo Credits: Large scenic view of Horseshoe Lake is by nflane from Depositphotos.com. Dam inset is courtesy of Salt River Project.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	 <p>ZONE 2 I-10 FWY Western Ave ZONE 1 Agua Fria River ZONE 3 MC - 85 ZONE 4</p>	1	2	3	4	5
6	7 COUNCIL MEETING BULK TRASH ZONE 1	8	9	10	11	12
13	14 BULK TRASH ZONE 2	15	16	17 	18	19
20 	21 COUNCIL MEETING BULK TRASH ZONE 3	22	23 	24	25	26
27	28 BULK TRASH ZONE 4	29	30	31 	SEPTEMBER 2019 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	NOVEMBER 2019 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



NOVEMBER

Both Photo Credits: Depositphotos.com, large scenic view of Bartlett Lake is by adogslifephoto, inset dam photo by harrybeugelink.

Bartlett Lake is a reservoir formed by **Bartlett Dam** located northeast of Phoenix on the Verde River. Built between 1936-39, the multiple-arch dam is 308.5 feet high and 800 feet long. The lake is 12 miles long, with a shoreline of 33 miles and a depth of 174 feet. The capacity of this lake is 178,186 acre-feet; that's approximately 5.8 billion gallons of water. This dam/reservoir are part of the SRP water system vital to Avondale's water source.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<p>OCTOBER 2019</p> <p>S M T W T F S</p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p>	<p>DECEMBER 2019</p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p>			1	2
3	4	5	6	7	8	9
	<p>COUNCIL MEETING BULK TRASH ZONE 1</p>					
10	<p>11</p> <p>HONORING ALL WHO SERVED</p> <p><i>Veterans</i></p> <p>DAY</p>  <p>VETERANS DAY EVENT</p>	12	13	14	15	16
		BULK TRASH ZONE 2				
17	18	19	20	21	22	23
	<p>COUNCIL MEETING BULK TRASH ZONE 3</p>					
24	25	26	27	<p>28</p> <p>Begin Holiday Sanitation Schedule (See table at back of calendar.)</p>  <p>CITY OFFICES CLOSED</p>	29	30
	BULK TRASH ZONE 4				CITY OFFICES CLOSED	





JANUARY

Theodore Roosevelt Dam was originally constructed between 1905 and 1911 to control the erratic flow of the Salt River, to harness the water for irrigation and form **Roosevelt Lake**. The dam turned the Arizona desert into the land that could be farmed. Roosevelt Lake has a capacity of 1,653,043 acre-feet of water with a shoreline of 128 miles and a depth of 188 feet. One acre-foot of water is equal to 325,851 gallons.

Photo Credits: Photos are courtesy of Salt River Project.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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5	6 COUNCIL MEETING BULK TRASH ZONE 1	7	8	9	10	11
12	13 BULK TRASH ZONE 2	14	15	16	17	18
19	20 Begin Holiday Sanitation Schedule (See table at rear of calendar.) CITY OFFICES CLOSED	21 COUNCIL MEETING BULK TRASH ZONE 3	22	23	24	25
26	27 BULK TRASH ZONE 4	28	29	30	31	



FEBRUARY

Horse Mesa Dam is named for nearby Horse Mesa, where thieves sometimes hid stolen herds. Constructed between 1924-27, the dam is 305 feet high and 660 feet long. This dam forms **Apache Lake**, which has a capacity of 245,138 acre-feet of water with a shoreline of 41 miles and a depth of 255 feet. It is a spectacular site for boating, fishing, water sports, hiking, camping, and all forms of outdoor recreation.

Photo Credits: Photos are courtesy of Salt River Project.

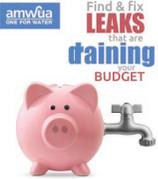
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MARCH

Tres Rios, Avondale | Travel south on Avondale Boulevard, just before you reach ISM Raceway, where you will find a lush, hidden jewel in Avondale, a scenic riparian zone where the Three Rivers – Agua Fria, Salt and Gila – meet. Designated by the National Audubon Society as a significant birding area, right in our own backyard, you'll find many species of mammals, fish and reptiles. The annual Tres Rios Nature Festival draws thousands of people each Spring.

Photo Credits: Large scenic photo is courtesy of Pier Simeri, City of Avondale employee and resident. Inset photo courtesy of Patricia Thornham taken during a recent Tres Rios Nature Festival.

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APRIL

Stewart Mountain Dam, which forms **Saguaro Lake**, was built between 1928-30. Saguaro Lake has a capacity of 69,765-acre feet, with a shoreline of 22 miles and 110 feet deep. Boat rentals are available; however, bring your own jet skis. Fishing enthusiasts can find rainbow trout, several types of bass, crappies, sunfish, catfish and walleye at this lake.

Photo Credits: Photos are courtesy of Salt River Project.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1  Shape your future START HERE > iCount · 2020	2	3	4
5	6 COUNCIL MEETING BULK TRASH ZONE 1	7	8	9	10	11 
12 	13 BULK TRASH ZONE 2	14	15	16	17	18
19	20 COUNCIL MEETING BULK TRASH ZONE 3	21	22 EARTH DAY	23	24 ARBOR DAY	25
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MAY

Crystal Gardens Water Treatment Facility (Wetlands) | Unlike conventional water treatment systems that rely on nonrenewable, fossil fuel energies, this award winning facility uses natural processes (vegetation and microorganisms) to reduce nitrates in the surface water Avondale receives from SRP. Water then flows from the wetlands to Avondale's Recharge Basins located north of McDowell Road across from Friendship Park. Recharging helps replace underground water supplies which can then be pumped out and used in the future.

Photo Credits: Photos are courtesy of Jim Painter, Avondale resident and photographer.

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31	 <p>Begin Holiday Sanitation Schedule (See table at back of calendar.) CITY OFFICES CLOSED</p>	BULK TRASH ZONE 4																																																																																								



JUNE

Mormon Flat Dam forms **Canyon Lake**. This lake has a capacity of 57,852 acre- feet of water, with a shoreline of 28 miles and 131.5 feet deep. The dam, built between 1923-25, is 224 feet high and 380 feet long. Canyon Lake offers something for everyone – swimming, camping, boating, and bass and trout fishing. A popular attraction is The Dolly Steamboat, a 1925 steamboat that offers dinner service as you cruise the canyons and waterways.

Photo Credits: Photos are courtesy of Salt River Project.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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14	15 COUNCIL MEETING BULK TRASH ZONE 3	16	17	18	19	20
21 	22 BULK TRASH ZONE 4	23	24	25	26	27
28	29 NO BULK TRASH	30			MAY 2020 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	JULY 2020 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

Fourth Unregulated Contaminant Monitoring Rule (UCMR 4) Table | Round One | Sept. 2018

Substances	Units	MCL	Lowest Level	Highest Level	Avg.	Major Source in Drinking Water
Germanium	Ppb	None	0.34	0.43	0.37	Naturally present in the environment
Manganese	Ppb	None	0	1.3	0.87	Naturally present in the environment
HAA5	Ppb	60	2.67	3.20	2.93	By-product of drinking water disinfection
HAA6Br	Ppb	None	3.61	4.17	3.89	By-product of drinking water disinfection
HAA9	Ppb	None	3.83	4.55	4.19	By-product of drinking water disinfection
Bromide	mg/L	None	0.07	0.71	0.33	Naturally present in the environment

EPA has established UCMR 4 Minimum Reporting Levels (MRLs) based on the capability of the analytical method, not based on a level established as “significant” or “harmful.” UCMR 4 results reported at or above those MRLs should be interpreted accordingly. The detection of a UCMR 4 contaminant does not represent cause for concern, in and of itself.

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/WaterWaste

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 <http://arizonawet.arizona.edu>



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.

SRP



Salt River Project (SRP) is the oldest multipurpose federal reclamation project in the United States. SRP has been serving central Arizona since 1903. Today, SRP is one of the nation’s largest public power utilities and one of the largest raw-water suppliers in Arizona. SRP manages 13,000-square-miles on the Salt and Verde River watersheds that include seven reservoirs. SRP delivers about 800,000 acre-feet of water annually to a 375-square-mile service area using an extensive system of canals, laterals and wells. SRP water is recharged at the City of Avondale recharge basins located at Agua Fria and McDowell Road. www.srpnet.com/savewater

CAP



Central Arizona Project is a 336-mile system of aqueducts, pumping plants and siphons designed to carry 1.5 million acre-feet of Colorado River water each year from Lake Havasu through Phoenix to south of Tucson. The water (an acre-foot is 325,851 gallons) flows under riverbeds, through tunnels and into one reservoir, Lake Pleasant, during the course of its journey. It took the Bureau of Reclamation more than 20 years (1973 – 1996) to build CAP, now managed and maintained by the Central Arizona Water Conservation District. www.cap-az.com

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 easy pick-up
- ▶ Any box or container will be removed as bulk trash
- ▶ Box and bag small items for easy pick-up

If you have any questions or need additional information, please contact the Public Works Department at (623) 333-4400.

HOLIDAY GARBAGE & RECYCLING SCHEDULE

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

JULY	MON	TUE	WED	THU	FRI	SAT
Independence Day (NO SERVICE) July 4				7/4	7/5	7/6
SEPTEMBER	MON	TUE	WED	THU	FRI	SAT
Labor Day (NO SERVICE) Sept. 2	9/2	9/3	9/4	9/5	9/6	9/7
NOVEMBER	MON	TUE	WED	THU	FRI	SAT
Thanksgiving Day (NO SERVICE) Nov. 28				11/28	11/29	11/30
DECEMBER	MON	TUE	WED	THU	FRI	SAT
Christmas Day (NO SERVICE) Dec. 25			12/25	12/26	12/27	12/28
JANUARY 2019	MON	TUE	WED	THU	FRI	SAT
New Year's Day (NO SERVICE) Jan. 1			1/1	1/2	1/3	1/4
Martin Luther King, Jr Day (NO SERVICE) Jan. 20	1/20	1/21	1/22	1/23	1/24	1/25
FEBRUARY	MON	TUE	WED	THU	FRI	SAT
Presidents' Day (NO SERVICE) Feb. 17	2/17	2/18	2/19	2/20	2/21	2/22
MAY	MON	TUE	WED	THU	FRI	SAT
Memorial Day (NO SERVICE) May 25	5/25	5/26	5/27	5/28	5/29	5/30

RECYCLE THESE ITEMS

RECYCLE RIGHT

KEEP IT SIMPLE.



LANDSCAPE WATERING GUIDELINES

How Much & How Often: Water to the outer edge of the plant's canopy and to the depth indicated. Water frequency will vary depending on season, plant type, weather, and soil.		Seasonal Frequency – Days Between Watering				Water This Deeply (Typical Root Depth)
		SPRING Mar - May	SUMMER May - Oct	FALL Oct - Dec	WINTER Dec - Mar	
Trees	Desert Adapted	14 – 30 days	7 – 21 days	14 – 30 days	30 – 60 days	24 - 36 inches
	High Water Use	7 – 12 days	7 – 10 days	7 – 12 days	14 – 30 days	24 - 36 inches
Shrubs	Desert Adapted	14 – 30 days	7 – 21 days	14 – 30 days	30 – 45 days	18 - 24 inches
	High Water Use	7 – 10 days	5 – 7 days	7 – 10 days	10 – 14 days	18 - 24 inches
Groundcovers & Vines	Desert Adapted	14 – 30 days	7 – 21 days	14 – 30 days	21 – 45 days	8 - 12 inches
	High Water Use	7 – 10 days	2 – 5 days	7 – 10 days	10 – 14 days	8 - 12 inches
Cacti & Succulents		21 – 45 days	14 – 30 days	21 – 45 days	If needed	8 - 12 inches
Annuals		3 – 7 days	2 – 5 days	3 – 7 days	5 – 10 days	8 - 12 inches
Warm Season Grass		4 – 14 days	3 – 6 days	6 – 21 days	15 – 30 days	6 - 10 inches
Cool Season Grass		3 – 7 days	None	3 – 10 days	7 – 14 days	6 - 10 inches

These guidelines are for established plants (1 year for shrubs, 3 years for trees). Additional water is needed for new planting or unusually hot or dry weather. Less water is needed during cool or rainy weather. Drip run times are typically 2 hours or more for each watering.

CONSERVE WATER OUTDOORS

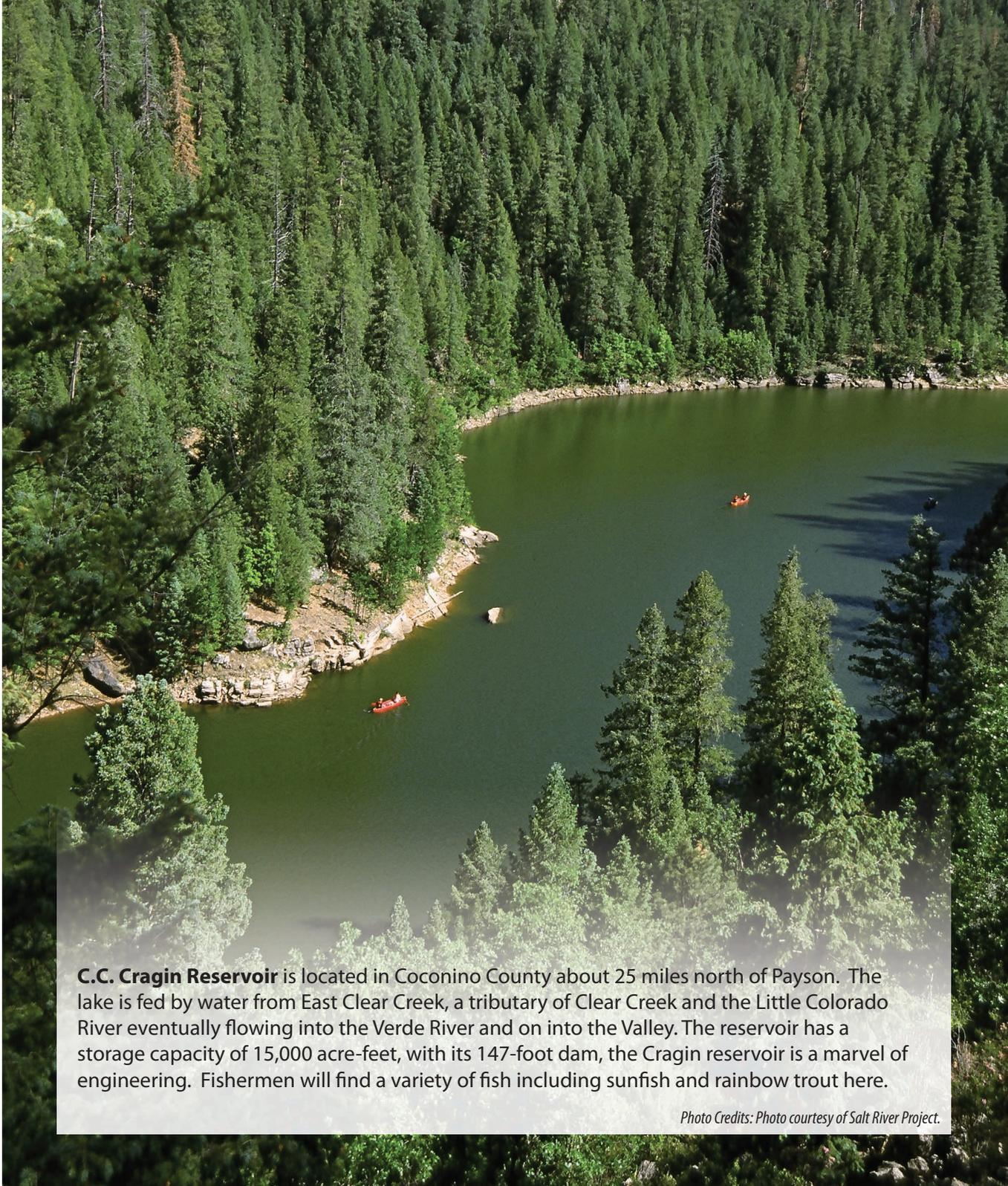
Booklets Available on-line at www.amwua.org



Avondale

Public Works Department
399 E. Lower Buckeye Road
Avondale, AZ 85323
www.avondaleaz.gov

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C.C. Cragin Reservoir is located in Coconino County about 25 miles north of Payson. The lake is fed by water from East Clear Creek, a tributary of Clear Creek and the Little Colorado River eventually flowing into the Verde River and on into the Valley. The reservoir has a storage capacity of 15,000 acre-feet, with its 147-foot dam, the Cragin reservoir is a marvel of engineering. Fishermen will find a variety of fish including sunfish and rainbow trout here.

Photo Credits: Photo courtesy of Salt River Project.