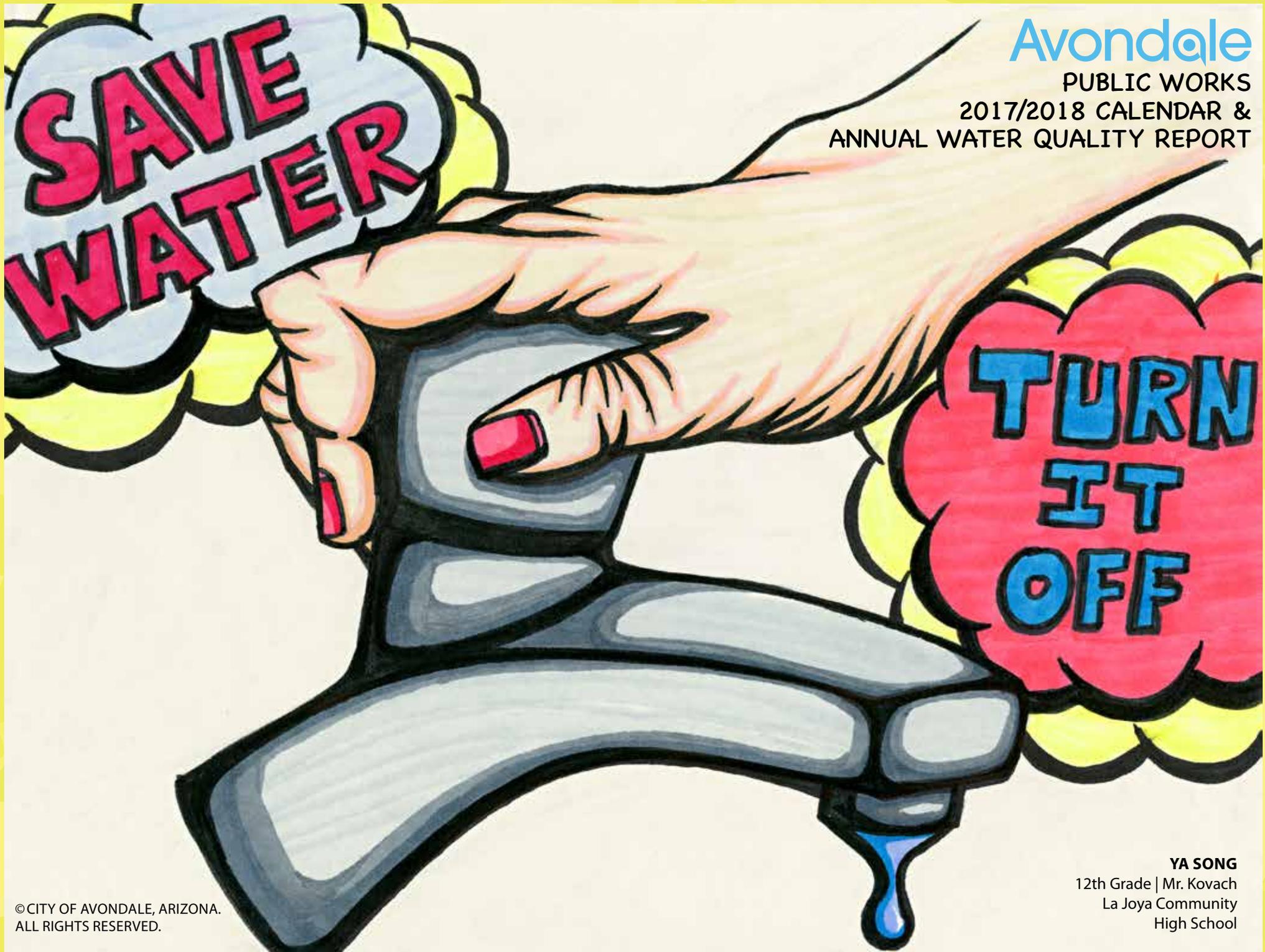


Avondale

PUBLIC WORKS

2017/2018 CALENDAR &
ANNUAL WATER QUALITY REPORT



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YA SONG
12th Grade | Mr. Kovach
La Joya Community
High School

AVONDALE WATER CUSTOMERS:

Avondale is committed to providing our residents with safe, reliable drinking water and great service at an affordable price. This document is provided to you, as the Annual Water Quality Report (as mandated by state and federal requirements). The report provides important information about 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. Water is such a valuable resource to the quality of life for our community and is vital to the growth of our economy.

The City has been preparing for the shortages in the Colorado River, and we are working every day to enrich our water portfolio and water savings account to mitigate the long-term impact. Avondale's water portfolio, consists of surface waters from the Central Arizona Project (CAP), Salt River Project (SRP), reclaimed water, and recovered groundwater pumped from wells. Over the last decade 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 can reduce the impacts of this drought.

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 the aquifers than it has pumped out. This stored water helps protect Avondale from drought related shortages.

This year students from our local schools were invited to submit a water conservation, water quality or recycle poster to feature in this year's report. We want to thank the following schools that participated: Avondale Middle School, Estrella High School, Canyon Breeze Elementary, The Traditional Legacy School- Avondale, La Joya Community High School and Estrella Vista Stem Academy.

The calendar 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. Please take time to review it; this is the 11th year the city has provided this report to you in a friendly calendar format.

Thank you for choosing Avondale as your home.

Sincerely,

Cindy Blackmore

City of Avondale Director of Public Works

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



JUDE NATHANIEL SAARENAS (ILLUSTRATION)

6th Grade | Ms. Alfieri | Legacy Traditional School-Avondale

ANDREA F. MONARREZ (SONG)

2nd Grade | Mr. Roach | Estrella Vista STEM Academy

I will teach you a song

Reduce, Reuse and Recycle!

I turn the faucet off when I am brushing my teeth.

I turn the lights off when I am going to sleep.

I use cold water to wash laundry.

I do all that so I can save energy.

Reduce, Reuse, Recycle

I'm going green I'm keeping the Earth clean.

I'm going green, I'm keeping it clean.

I reuse batteries, rechargeable again and again.

I shop at the thrift store to find a great bargain.

I take my bottles and cans and recycle them.

We'll make a better world if we all join hands.

2016 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 2016 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 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 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

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 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, 2016 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	3.3	10.6	6.1	No	Erosion of natural deposits; runoff from orchards, glass and electronic production wastes
Barium	ppm	2	2	0.03	0.19	0.19	No	Discharge of drilling wastes; from metal refineries; erosion of natural deposits
Chromium	ppb	100	100	N/A	21	21	No	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride	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	1.76	8.7	8.7	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite	ppm	1	1	N/D	0	0	No	
Selenium	ppb	50	50	N/D	9	9	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium (optional)	ppm	N/A	N/A	82	150	150	No	Erosion of natural deposits
Radionuclides								
Radium 226 & 228	pCi/L	5	0	N/D	1.2	1.2	No	Erosion of natural deposits
Microbiological Contaminants								
Total Coliform Rule (TCR)	%	5	0	0	N/A	0	No	Naturally present in the environment
Revised Total Coliform Rule (RTCR) 976 Annual routine samples	N/A	TT	N/A	N/A	N/A	0	No	Naturally present in the environment
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	.7	15	7	No	By-product of drinking water disinfection
Total Halocetic Acids (HAAs)	ppb	60	N/A	2	2	1	No	By-product of drinking water chlorination
<i>Compliance is based on a system wide locational running average, not the highest detected amount.</i>								
Chlorine Residual	Units	MRDL	MRDLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
	ppm	4	4	0.4	1.6	1.6	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	ppm	.015	0	1.1	0	Corrosion of household plumbing		
Copper (30 Samples)	ppm	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.



FREQUENTLY ASKED QUESTIONS

1. Do I need to install a water filter or water softener?

No, typically they are not necessary unless advised by your physician or desired as a personal choice. If you choose to install a filter or softener be sure to follow manufacturer's maintenance instructions.

2. What is hardness in the water to set my water softener?

Water hardness is 371 or 22 grains per gallon.

3. Why does my water smell like chlorine?

Avondale's entire water supply is disinfected with chlorine before it is delivered to customers. This is a widely used method to safeguard drinking water.

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 Jose Peña, Environmental Technician, at (623) 333-4400, for 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.



SAVE

WATER

SAVE

LIVES



JULY

DULCE CORONA
 12th Grade | Mr. Kovach
 La Joya Community
 High School

SAVE WATER, SAVE LIVES

Water plays a big role in supporting our communities, without water there would be no local businesses or industry. Fire-fighting, parks, swimming pools and splash pads all need water. Every day the Public Works staff manages an array of wells, pipes, pumping stations and over 300 miles of water mains to bring you a reliable supply of water to your tap every day.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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2	3	<p>4</p> <p>Begin Holiday Sanitation Schedule (See table at back of calendar.)</p>  <p>INDEPENDENCE DAY CITY OFFICES CLOSED</p>	5	6	7	8
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	<p>COUNCIL MEETING BULK TRASH ZONE 2</p>					
16	17	18	19	20	21	22
	<p>COUNCIL MEETING BULK TRASH ZONE 3</p>					
23	24	25	26	27	28	29
	<p>BULK TRASH ZONE 4</p>					
30	31					



Dont WASTE

Our Beauty RECYCLE

You Left
The Earth
Running!!!



SEPTEMBER

NATE BOLDUC
 11th Grade | Mr. Kovach
 La Joya Community
 High School

YOU LEFT THE EARTH RUNNING

In Arizona, about 25% of the water supply is for municipal use and most of this is residential. In Avondale, 60% of our total water use in the city is residential. Each person uses approximately 100 gallons per day, and as much as 70% of that water is used outdoors, especially in the summer. Let's use water efficiently and help preserve water for future generations.

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 <p>Got Hazardous Waste? Check for upcoming Household Hazardous Waste event dates posted at www.avondaleaz.gov/HHW</p>		<p>AUGUST 2017</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>OCTOBER 2017</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
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THE DEAD DON'T LIKE IT

WHEN YOU TRASH THEIR RESTING PLACES

DO YOUR PART!!



October

OCTOBER

STEVE ROSALES
12th Grade | Mr. Kovach
La Joya Community
High School

RECYCLE

Securing trash in bags is a Maricopa County requirement and reduces breeding of flies, unwelcome odors and spillage on our roadways. Put trash in the black container and recyclables in the blue container. Place them on the street by 5 am on your designated day.



NATIONAL
FAMILY HEALTH MONTH

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RECYCLING



**CHANGES
LIVES**

NOVEMBER

NELSY M. OCHOA
 12th Grade | Mr. Kovach
 La Joya Community
 High School

RECYCLING CHANGES LIVES

One person's trash is another person's treasure. Instead of discarding unwanted appliances, clothing or tools, try donating them. Not only will you be reducing waste at the landfill, you'll be helping others. **Reduce, Recycle and Reuse**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	 <p>Help keep fats, oils and grease out of drains. Scrape food, grease and used cooking oil into the trash NOT down the sink or garbage disposal.</p>	 <p>NATIONAL RECYCLING AWARENESS MONTH</p>	1	2	3	4
5	6 COUNCIL MEETING BULK TRASH ZONE 1	7	8	9	10	11  VETERANS DAY EVENT CITY OFFICES CLOSED
12	13 BULK TRASH ZONE 2	14	15	16	17	18
19	20 COUNCIL MEETING BULK TRASH ZONE 3	21	22	23  Begin Holiday Sanitation Schedule (See table at back of calendar.) THANKSGIVING DAY CITY OFFICES CLOSED	24 CITY OFFICES CLOSED	25
26	27 BULK TRASH ZONE 4	28	29	30	OCTOBER 2017 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 2017 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

WATER ISN'T JUST FOR YOUR
PERSONAL USE, IT'S FOR ALL 4 SEASONS !!!





WATER

Conservation

SAVE
WATER
LIVE
BETTER

DIANA AIFARO



Reduce

Reuse

WE ALL NEED

Recycle

WATER

Abordable

FEBRUARY

GABRIELLA LOPEZ
3rd Grade | Mr. Perez
Canyon Breeze
Elementary

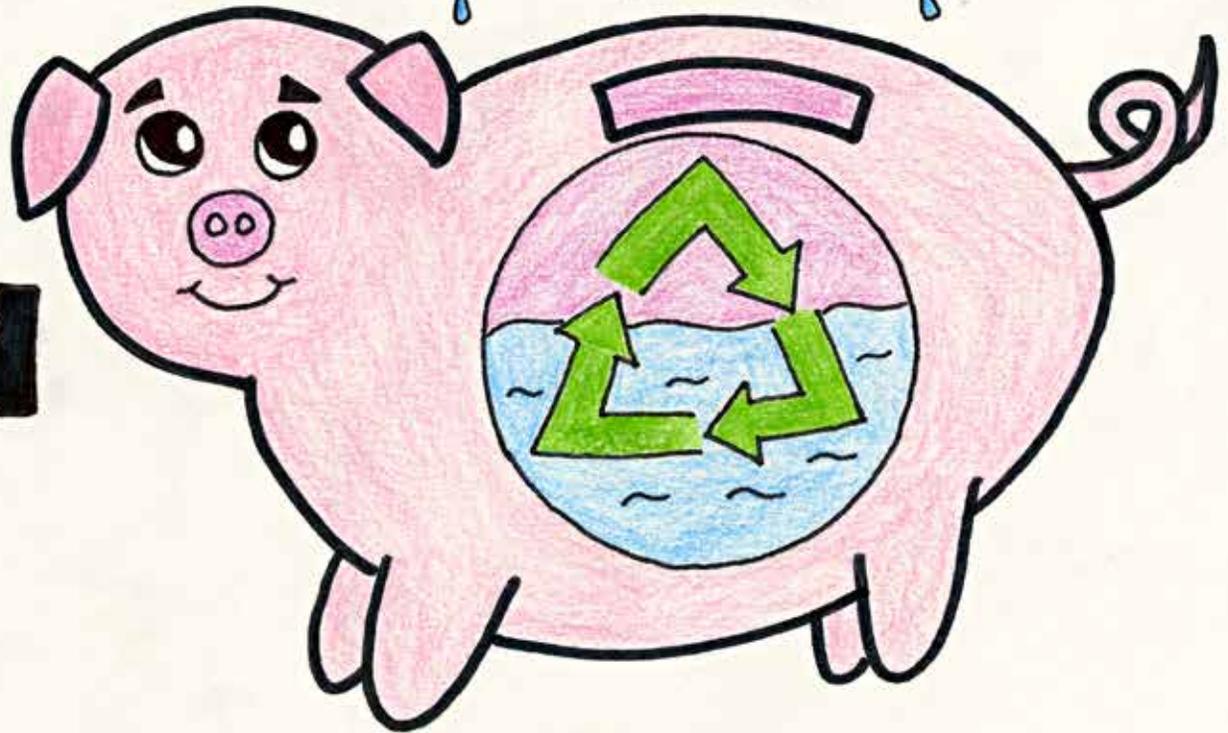
WE ALL NEED WATER

Water covers 70% of the Earth's surface. Of that, 97% is ocean water, 2% is held in glaciers, leaving 1% suitable for human use. While population and demand increases, our supplies remain constant. Although the water cycle continuously returns water to the Earth, it is not always returned to the same place, or same quantity or quality. Let's do our part in using water wisely.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																					
	 <p>Place bulk trash by 5 am on Monday of your designated week.</p> <p>Use 2 to 4 inches of organic mulch around plants to reduce evaporation and save hundreds of gallons of water.</p>			1	2	3																																																																																					
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	<p>BULK TRASH ZONE 4</p>				<p>JANUARY 2018</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>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</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				<p>MARCH 2018</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><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
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SAVE UP
FOR A **NON**
RAINY DAY

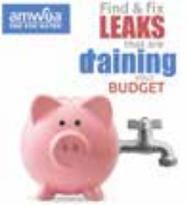


MARCH

KEYLA SANCHEZ
 12th Grade | Mr. Kovach
 La Joya Community
 High School

SAVE UP FOR A NON-RAINY DAY

According to the EPA, the average household loses 10,000+ gallons of water each year through leaks - the same amount of water needed to wash 280 loads of laundry, take 600 showers or meet the average family's water needs for a month.



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	FEBRUARY 2018 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	APRIL 2018 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>Most leaks are easy to find if you know where to look, and they are often simple to fix. Get the smart home water guide now at www.smarthomewaterguide.org</p>	1	2	3
4	5 COUNCIL MEETING BULK TRASH ZONE 1	6	7	8	9	10
11	12 BULK TRASH ZONE 2	13	14	15	16	17
18	19 NATIONAL FIX-A-LEAK WEEK COUNCIL MEETING BULK TRASH ZONE 3	20	21	22	23	24
25	26 BULK TRASH ZONE 4	27	28	29	30	31

Earth needs

water,

it's a

fact



Conserve your water



APRIL

LIZBETH ALVAREZ
8th Grade | Mrs. Frazer
Avondale Middle School

EARTH NEEDS WATER, IT'S A FACT

Celebrate Arizona Water Awareness Month, by checking out daily water tips at www.waterawarenessmonth.com. Don't forget about Earth Day and Arbor Day; plant a tree. Trees lower surface and air temperatures by providing shade.



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	12	13	14
15	16 COUNCIL MEETING BULK TRASH ZONE 3	17	18	19	20	21
22 EARTH DAY	23 BULK TRASH ZONE 4	24	25	26	27 ARBOR DAY	28
29	30			MARCH 2018 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	MAY 2018 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>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 and rinse with hot water.</p>

OUR WATER IS WORTH SAVING!



MAY

CHRISTOPHER GAYTAN
 12th Grade | Mr. Kovach
 La Joya Community
 High School

OUR WATER IS WORTH SAVING!

How can we keep our watersheds and waterways from becoming polluted? Keep trash, debris, and especially toxic materials and motor oils, from entering the waterways through the storm drains.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
 <p>Adjust your watering schedule 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>		<p>1</p>  <p>NATIONAL DRINKING WATER WEEK</p>	2	3	4	5																																																																																				
6	<p>7</p> <p>COUNCIL MEETING BULK TRASH ZONE 1</p>	8	9	10	11	12																																																																																				
<p>13</p> 	<p>14</p>  <p>NATIONAL PUBLIC WORKS WEEK BULK TRASH ZONE 2</p>	15	16	17	18	19																																																																																				
20	<p>21</p> <p>COUNCIL MEETING BULK TRASH ZONE 3</p>	22	23	24	25	26																																																																																				
27	<p>28</p> <p>Begin Holiday Sanitation Schedule (See table at back of calendar.)</p>  <p>MEMORIAL DAY CITY OFFICES CLOSED</p>	<p>29</p> <p>BULK TRASH ZONE 4</p>	30	31	<p>APRIL 2018</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						<p>JUNE 2018</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> </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
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HAVE MORE?



JUNE

STEPHANIE LEMUS
 12th Grade | Mr. Kovach
 La Joya Community
 High School

HAVE MORE?

There is no more water on this Earth. We are still drinking the same water the dinosaurs drank. Let's do our part to use water efficiently to ensure the best quality of life possible. Check out www.wateruseitwisely.com for over 100 tips on how to save water.



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		MAY 2018 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 2018 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
3	4 COUNCIL MEETING BULK TRASH ZONE 1	5	6	7	8	9
10	11 BULK TRASH ZONE 2	12	13	14	15	16
17 	18 COUNCIL MEETING BULK TRASH ZONE 3	19	20	21	22	23
24	25 BULK TRASH ZONE 4	26	27	28	29	30

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 chrome plating, 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 chrome plating, dyes and pigments, leather tanning and wood preservation.
1,4-Dioxane (2013)	ppb	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

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.avondaleaz.gov/water for cool interactive water games for kids. Also visit www.projectwet.org.



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, serving central Arizona since 1903. Today, SRP is one of the nation's largest public power utilities and raw-water suppliers in Arizona. SRP manages 13,000 square miles on the Salt and Verde River watersheds, including seven reservoirs, delivering 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. CAP is managed and maintained by the Central Arizona Water Conservation District. www.cap-az.com



Learn More About Water

Arizona Department of Environmental Quality
www.azdeq.gov

Arizona Department of Health Services
www.azdhs.gov

Arizona Department of Water Resources
www.azwater.gov

Centers for Disease Control
www.cdc.gov

Maricopa County Environmental Services Department
www.maricopa.gov/envsvc

U.S. EPA Safe Drinking Water Hotline
www.epa.gov/water



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 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

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.

SEPTEMBER	MON	TUE	WED	THU	FRI	SAT
Labor Day (NO SERVICE) Sept. 4	9/4	9/5	9/6	9/7	9/8	9/9
NOVEMBER	MON	TUE	WED	THU	FRI	SAT
Thanksgiving Day (NO SERVICE) Nov. 23				11/23	11/24	11/25
JANUARY 2018	MON	TUE	WED	THU	FRI	SAT
Martin Luther King, Jr Day (NO SERVICE) Jan. 15	1/15	1/16	1/17	1/18	1/19	1/20
FEBRUARY	MON	TUE	WED	THU	FRI	SAT
Presidents' Day (NO SERVICE) Feb. 19	2/19	2/20	2/21	2/22	2/23	2/24
MAY	MON	TUE	WED	THU	FRI	SAT
Memorial Day (NO SERVICE) May 28	5/28	5/29	5/30	5/31	6/1	6/2

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



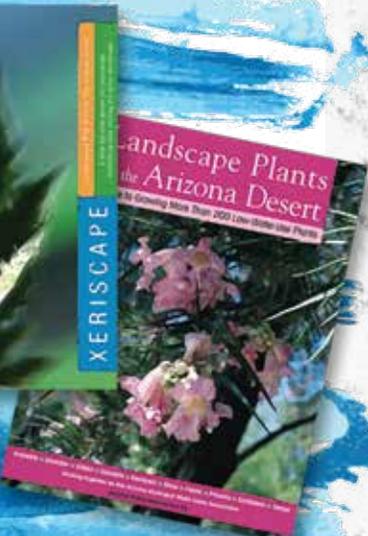
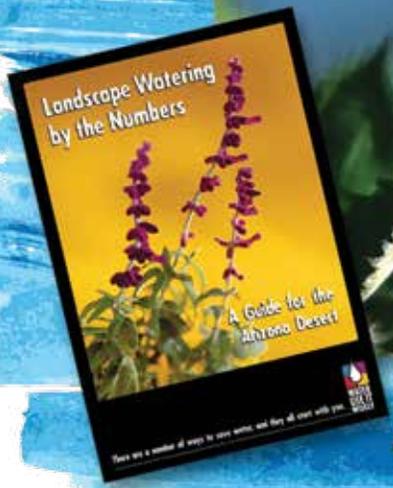
LANDSCAPE WATERING GUIDELINES

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

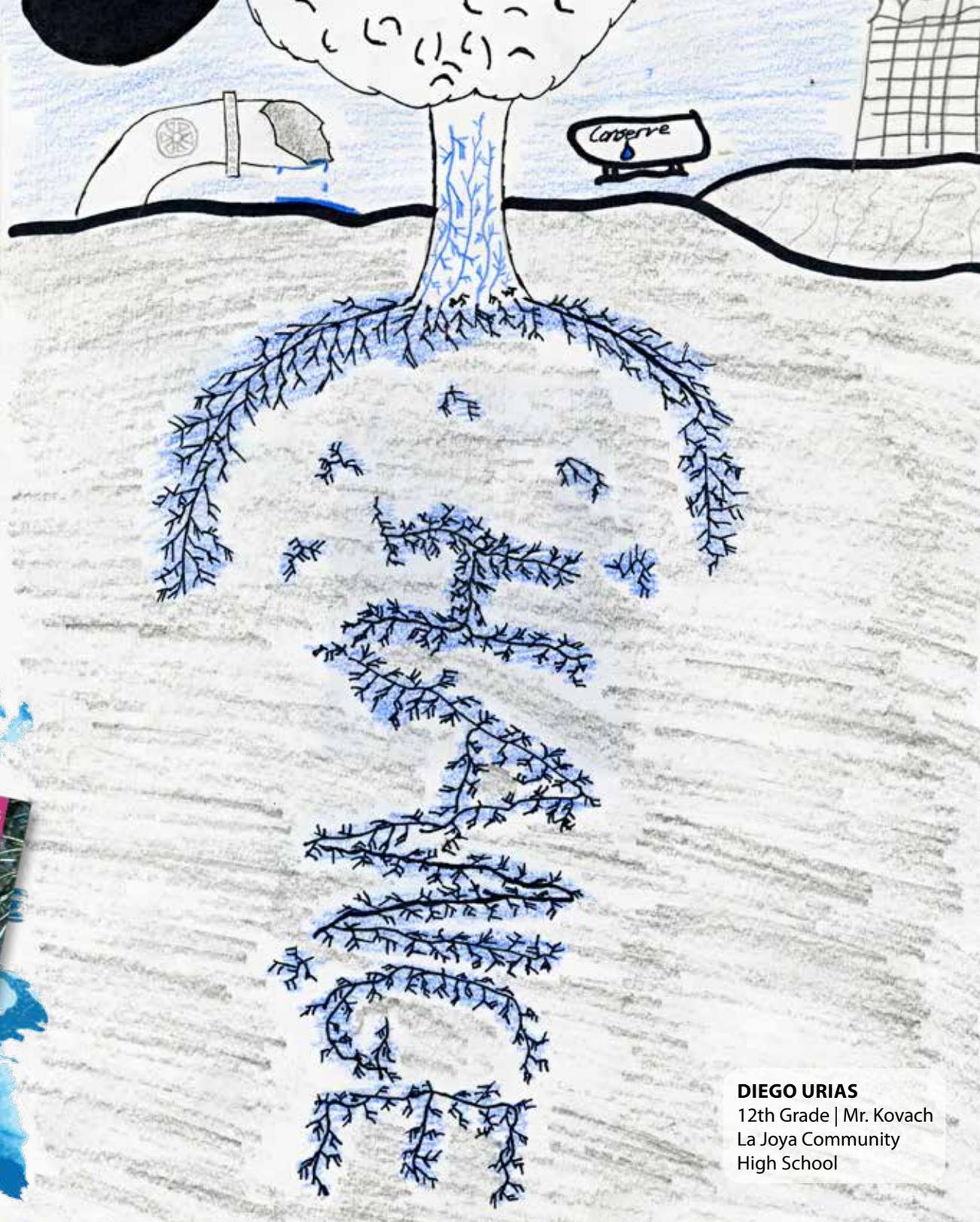
These guidelines are for established plants (1 year for shrubs, 3 years for trees). Additional water is needed for new planting or unusually hot or dry weather. Less water is needed during cool or rainy weather. Drip run times are typically 2 hours or more for each watering.

Avondale

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



To request a copy of these booklets
call (623) 333-4400 or go to
www.avondaleaz.gov/publicworks



DIEGO URIAS
12th Grade | Mr. Kovach
La Joya Community
High School