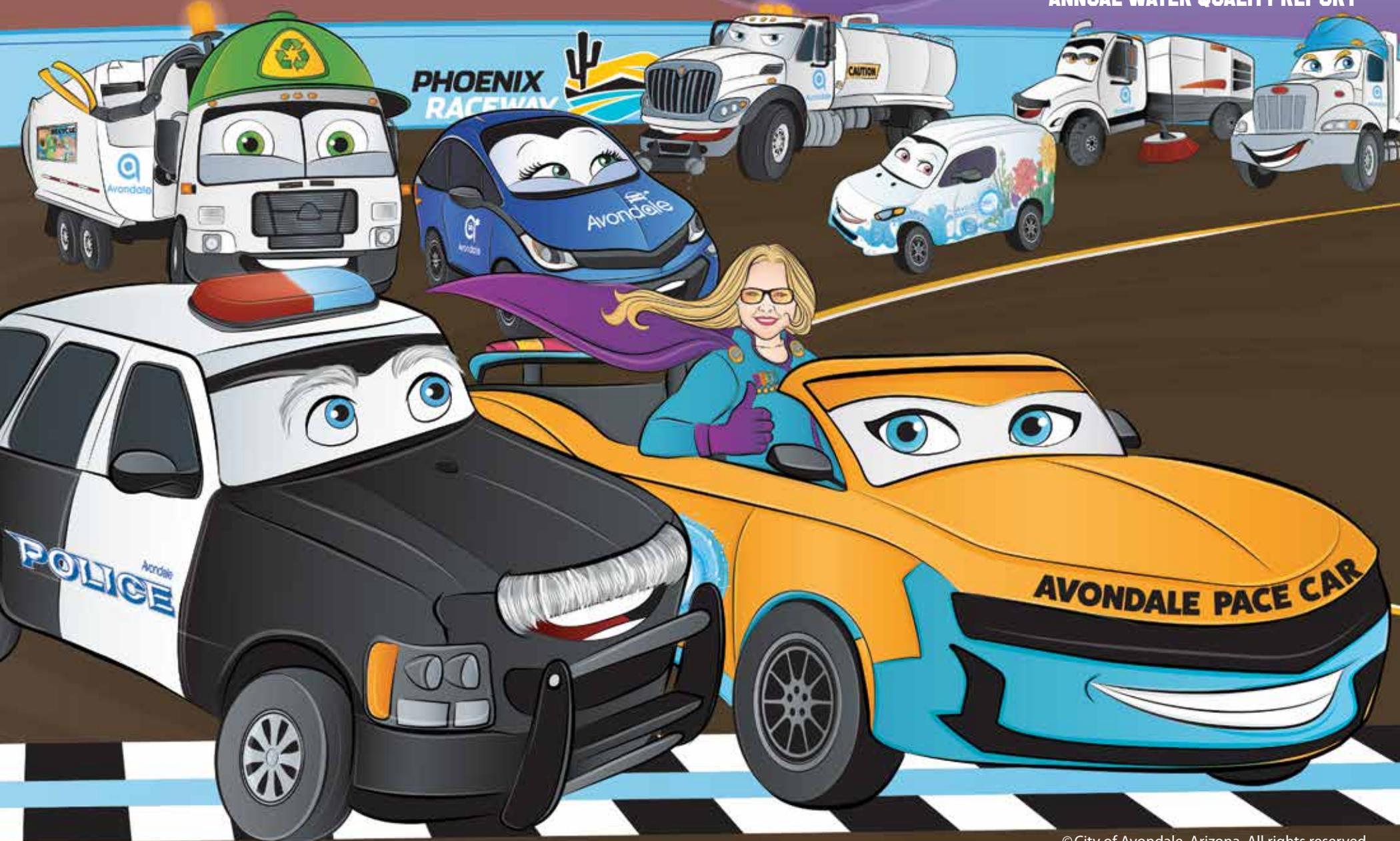


# Avondale

The City of Avondale wishes to thank Phoenix Raceway for permission to use the 2020 NASCAR Championship Weekend logo and racing theme in this year's annual Water Calendar.

**PUBLIC WORKS  
2020/2021 CALENDAR  
ANNUAL WATER QUALITY REPORT**



# A MESSAGE FROM THE PUBLIC WORKS DIRECTOR TO AVONDALE WATER CUSTOMERS

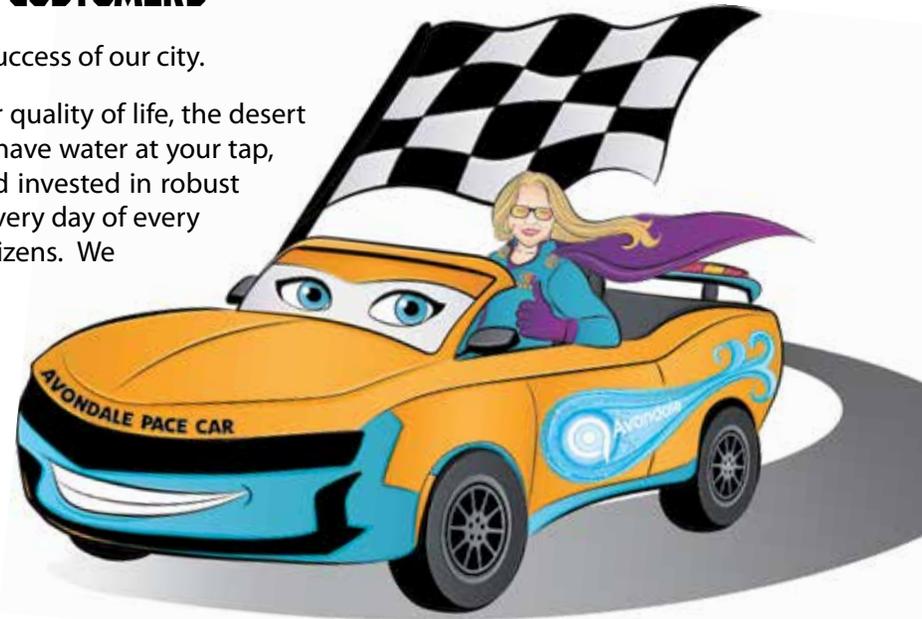
*Avondale is on track!* Smart planning and careful allocation of our water is essential for the success of our city.

**Avondale's Water Supplies Remain Secure and Resilient:** Water is critical to public health, our quality of life, the desert environment and our economy. That is why we are all doing our part to ensure you always have water at your tap, even during times of concern. As your provider of essential services, we have planned and invested in robust and resilient water supplies, infrastructure and processes so that we can deliver you water every day of every year. Our mission is to provide reliable services that protect the health and safety of our citizens. We will continue to work hard to provide you with highest quality services that you can rely on.

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. This year we celebrate the honor Avondale received to host the NASCAR Championship Race Weekend in November - as well as Public Works championship service delivery. Follow me on Twitter @AvondalePWD for exciting news throughout the year.

Thank you for choosing Avondale as your home! *Zoom! Zoom!*

Cindy Blackmore, *Public Works Director*



## CONGRATULATIONS TO THE FIRST AVONDALE CITIZEN WATER ALLIANCE (ACWA) ACADEMY GRADUATES!

The ACWA Academy is a hands-on, interactive, highly informative 4-part series devoted to all things water and wastewater. Participants engage with the City's water professionals who plan, build, protect and deliver services for Avondale's vast water and wastewater infrastructure. For more information and to sign up for the next class visit: [www.avondaleaz.gov/acwa](http://www.avondaleaz.gov/acwa) #ACWAAcademy

Tom Albrigo  
Dana Arviso  
Rhonda Bell  
Karla Camou Guerra  
Steven Crouch

Maxine DeLaRosa  
Beatrice Furmanek  
Mark Gage  
Stephanie Gage  
Louisa Gomez

Maribel Guerrero  
Katherine Hall  
Timothy Hayes  
Heather Hendon  
Vicki Hendon

Mitch James  
Naomi Lake  
Charles Morrison  
Tiffany Peroutka

James Roderick  
Elizabeth Rothner  
Patty Rudolfo  
Ace Santana

Rachel Stringham  
Alan Tew  
Melissa Valdez  
Larry White

Marsha White  
Maureen Wilson  
Michael Worringer  
Brian Wright

# 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](http://www.avondaleaz.gov/publicworks)

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

- ◆ [WatershedConnection.com](http://WatershedConnection.com)
- ◆ [DroughtFacts.com](http://DroughtFacts.com)
- ◆ [Cap-az.com](http://Cap-az.com)
- ◆ [SRPwater.com](http://SRPwater.com)
- ◆ [Wateruseitwisely.com](http://Wateruseitwisely.com)
- ◆ [Amwua.org](http://Amwua.org)
- ◆ [AZWater.gov](http://AZWater.gov)
- ◆ [Tapintoquality.com](http://Tapintoquality.com)

# 2019 ANNUAL DRINKING WATER QUALITY REPORT

City of Avondale Public Water  
System Number: AZ 04 07088

*Este informe contiene informacion muy importante sobre la calidad de su agua beber. 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.*

## Is my water safe?

We are 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.

## Do I need to take special precautions?

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 from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

## Where does my water come from?

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.

## Why are there contaminants in my drinking water?

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (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:

- ◆ **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 by-products 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.

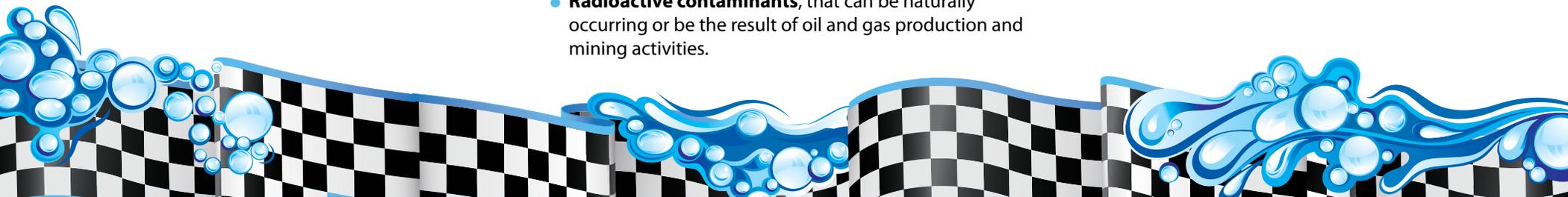
In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water.

## 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.

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.

In September 2018, Avondale began monitoring the first round of the Fourth Unregulated Contaminant Rule (UCMR 4). In March 2019, another round of monitoring was completed. Any unregulated contaminants detected are reported in the UCMR4 table on the Avondale Partners Page. 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.



# WATER QUALITY STATS

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, 2019 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	1.3	6	3.2	No	Erosion of natural deposits; runoff from orchards, glass and electronic production wastes
Barium	ppm	2	2	0.04	0.17	0.12	No	Discharge of drilling wastes; from metal refineries; erosion of natural deposits
Chromium	ppb	100	100	N/A	5.4	5.4	No	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride	ppm	4	4	0.11	1.07	0.31	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	ppm	10	10	0.98	7.56	3.74	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	ppb	50	50	N/D	9.4	5.3	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
<b>Radionuclides</b>								
Alpha Emitters	pCi/L	15	0	3.4	4.5	3.87	No	Erosion of natural deposits
Uranium	ug/L	30	0	3.4	4.8	3.97	No	Erosion of natural deposits
Radium 226 & 228 (2016)	pCi/L	5	0	N/D	1.2	1.2	No	Erosion of natural deposits

Microbiological Contaminants	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
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

## 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	17.7	18.8	18.3	No	By-product of drinking water disinfection
Total Halocetic Acids (HAAs)	ppb	60	N/A	1.8	2.1	2	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	.35	1.71	1.04	No	Water additive used to control microbes

Lead and Copper Sample 2019	Unit	AL	MCLG	90th Percentile Value	Sites Exceeding Action Level	Likely Source of Contamination
Lead	ppm	.015	0	0	0	Corrosion of household plumbing
Copper (30 Samples)	ppm	1.3	1.3	.3	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	Iron in mg/L**
Secondary Standard MCL	6.5-8.5	None	None	None	None	250.0	None	None	500	.03
Annual average	7.49	26.8	77	44	102	73	374	153	752	.04
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 (ug/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 our Environmental Technician, or our 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.

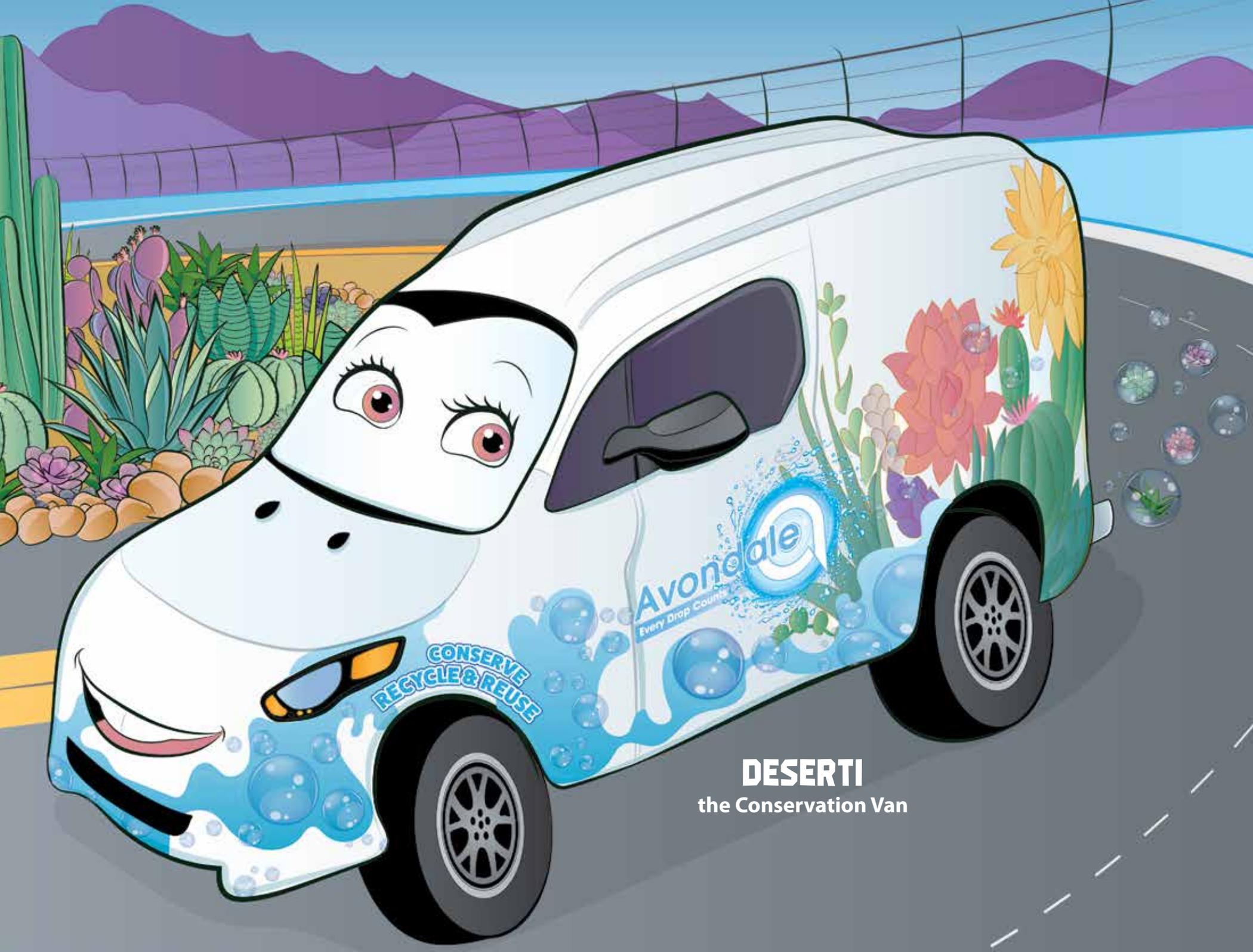
#### NITRATE

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>.





**DESERTI**  
the Conservation Van

# 2020 JULY

**THERE ARE MANY WAYS TO SAVE WATER AND THEY ALL START WITH YOU** | Everyone has a part in protecting and using our water wisely. We see conservation as a way of life in Avondale. By doing more with less, the City's water supplies last longer into the future. Text **WHENTOWATER to 33222** to sign up for free monthly watering reminders. You will receive a text message on the first of each month with a link to that month's unique landscape watering schedule. [WaterUseitWisely.com](http://WaterUseitWisely.com)

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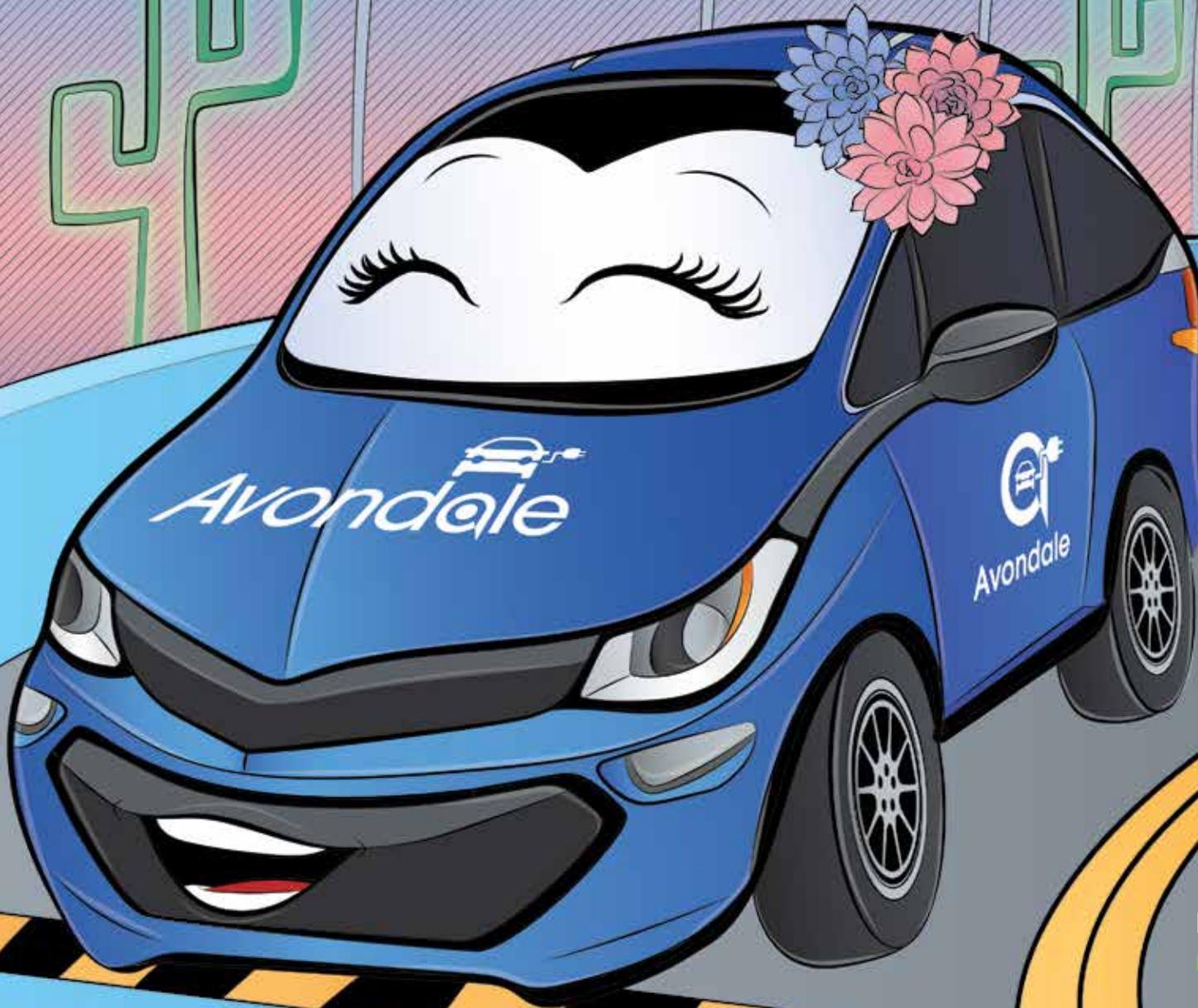
**SAMMY**  
the Sideloader



# 2020 AUGUST

**CURBSIDE RECYCLING TIPS** | **Items should be relatively clean:** Lightly rinse food and beverage containers as food is not allowed. It's ok to leave labels and lids on when recycling. **Discard packing materials:** Remove Styrofoam, bubble wrap and liners from boxes and containers before recycling. **Do not bag recyclables. Do not place plastic bags or plastic wrap in the blue container:** Please take them to your nearest grocery store for recycling.

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<b>30</b>	NO BULK TRASH <b>31</b>					



**EVIE**  
the Electric Vehicle

**DID YOU KNOW?**

- ▶ One gallon of gasoline is equal to 24 pounds of green house emissions.
- ▶ Electric vehicle driving ranges are 250± miles!

# 2020 SEPTEMBER

**REDUCING AIR POLLUTION** | One way the city is reducing pollution is by incorporating electric vehicles (EVs) into the city's fleet. Each EV saves approximately 8,960 pounds of greenhouse gas emissions per year. It is less expensive to maintain an electric car compared to a regular car: no spark plugs, oil changes, and much less brake replacement due to regenerative braking.

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	<p><b>iCount 2020</b> There's still time to be counted. <a href="http://www.my2020census.gov">www.my2020census.gov</a></p>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>																																																																																											
<b>6</b>	<p><b>7</b> Begin Holiday Sanitation Schedule (See table at back of calendar.) <b>CITY OFFICES CLOSED</b></p>	<p><b>8</b> BULK TRASH ZONE 1 COUNCIL MEETING</p>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>																																																																																											
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# TRICK OR TREATIN'

with the Team



2020

# OCTOBER

**DON'T BE TRICKED** | The best value, highest quality drinking water choice? Right at your tap! Highly regulated and backed by a team of dedicated professionals who make sure it is safe, convenient, and affordable. We're gearing up for the NASCAR Championship Race Weekend next month. Join us – it will be a *treat!*

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4	<p>COUNCIL MEETING BULK TRASH ZONE 1</p>	6	7	8	<p>NATIONAL WALK &amp; BIKE TO SCHOOL DAY</p>	10																																																																																				
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	<p>BULK TRASH ZONE 4</p>		<p>NATIONAL FIRST RESPONDER'S DAY</p>																																																																																							

# GUIDO AND VINNY

the Vector Brothers



2020

# NOVEMBER

**FLUSH LIKE A CHAMPION!** | We're hard at work 365 days a year to ensure the proper handling and treatment of our sewer flows. Please help us out and flush only the three "P's" - Pee, Poo and Toilet Paper! Wipes and other items can cause sewer blockages and must be removed from the waste stream and hauled away to a landfill. Kindly bag and dispose of wipes and other sanitary products in the trash.

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 HONORING ALL WHO SERVED Begin Holiday Sanitation Schedule (See table at back of calendar.)  VETERANS DAY EVENT	12	13	14
15 AMERICA RECYCLES DAY	16 COUNCIL MEETING BULK TRASH ZONE 3	17	18	19	20	21
22	23 BULK TRASH ZONE 4	24	25	26 Begin Holiday Sanitation Schedule (See table at back of calendar.) CITY OFFICES CLOSED 	27 CITY OFFICES CLOSED	28
29	30 NO BULK TRASH			<b>OCTOBER 2020</b> S M T W T F S 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	<b>DECEMBER 2020</b> S M T W T F S 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	#TrashThoseWipes@AZAvondaleNews #KnowWhatToFlush

**EVIE**

gets a charge out of holiday lights



2020

# DECEMBER

**SAVE \$\$\$** | Your water use billed in December, January, and February is used to calculate your annual sewer fee. Starting in December, reduce your water use during these winter months to lower your sewer charge. If you do have a leak or fill your pool during the sewer average period, you can appeal your sewer charge.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b> 
<b>6</b>	<b>7</b>  COUNCIL MEETING BULK TRASH ZONE 1	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>  BULK TRASH ZONE 2	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b>  BULK TRASH ZONE 3	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>  Begin Holiday Sanitation Schedule (See table at rear of calendar.) <b>CITY OFFICES CLOSED</b>	<b>26</b>
<b>27</b>	<b>28</b>  BULK TRASH ZONE 4	<b>29</b>	<b>30</b>	<b>31</b>	<b>NOVEMBER 2020</b> 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	<b>JANUARY 2021</b> 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



**TOMMY**  
the Tipper Truck

**CLAW**  
the backhoe

2021

# JANUARY

**DESTINATION LANDFILL OR COMPOST?** | Each month, the City collects large, bulky items which do not fit in the 90-gallon trash container. There is a 3 cubic yard limit per household per month for both bulk/green waste piles. Bulk goes to the landfill while the green waste is recycled into compost. See the Zone Map below for your Bulk Trash Zone pick up.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>DECEMBER 2020</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>FEBRUARY 2021</p> <p>S M T W T F S</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28</p>				<p><b>1</b></p> <p>Begin Holiday Sanitation Schedule (See table at back of calendar.) <b>CITY OFFICES CLOSED</b></p>	<p><b>2</b></p>
<b>3</b>	<p><b>4</b></p> <p>COUNCIL MEETING BULK TRASH ZONE 1</p>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
<b>10</b>	<p><b>11</b></p> <p>BULK TRASH ZONE 2</p>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<p><b>18</b></p> <p>Begin Holiday Sanitation Schedule (See table at rear of calendar.) <b>CITY OFFICES CLOSED</b></p>	<p><b>19</b></p> <p>BULK TRASH ZONE 3 COUNCIL MEETING</p>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
<b>24</b>	<p><b>25</b></p> <p>BULK TRASH ZONE 4</p>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<p><b>31</b></p>						

**STANLEY**  
the Sweeper



2021

# FEBRUARY

**HEALTHY & CLEAN** | Clean streets contribute to our overall quality of life and show the pride we have in our City. Street sweeping also prevents trash and litter from entering and blocking storm drains which can cause flooding during heavy rains and helps to keep our public waterways healthy!

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																											
<p><i>Did you know street sweeping occurs the week after bulk week?</i></p>	<p><b>1</b></p> <p>COUNCIL MEETING BULK TRASH ZONE 1</p>	<p><b>2</b></p>	<p><b>3</b></p>	<p><b>4</b></p>	<p><b>5</b></p>	<p><b>6</b></p>																																																																																											
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**PHOENIX  
RACEWAY**



2021

# MARCH

**THE NEED FOR CLEAN** | During each NASCAR race weekend hosted in Avondale, we easily increase the city's population by 100,000 people. The recreational vehicles themselves create a city within our city.

**Fun fact:** since 2007, we have delivered 8,400 recycle cans and collected more than 81 tons of recycling material at the raceway.

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**WATER TANK WILLY**

2021

# APRIL

**EVERY DROP COUNTS** | Water Awareness Month is not only dedicated to promoting Arizona's success in managing its water resources, it is also intended to encourage Arizonans to be conscious of every precious drop. After all, water is life to us all. Find out how you can conserve water and reduce your water footprint at [arizonawaterfacts.com/wam](http://arizonawaterfacts.com/wam)

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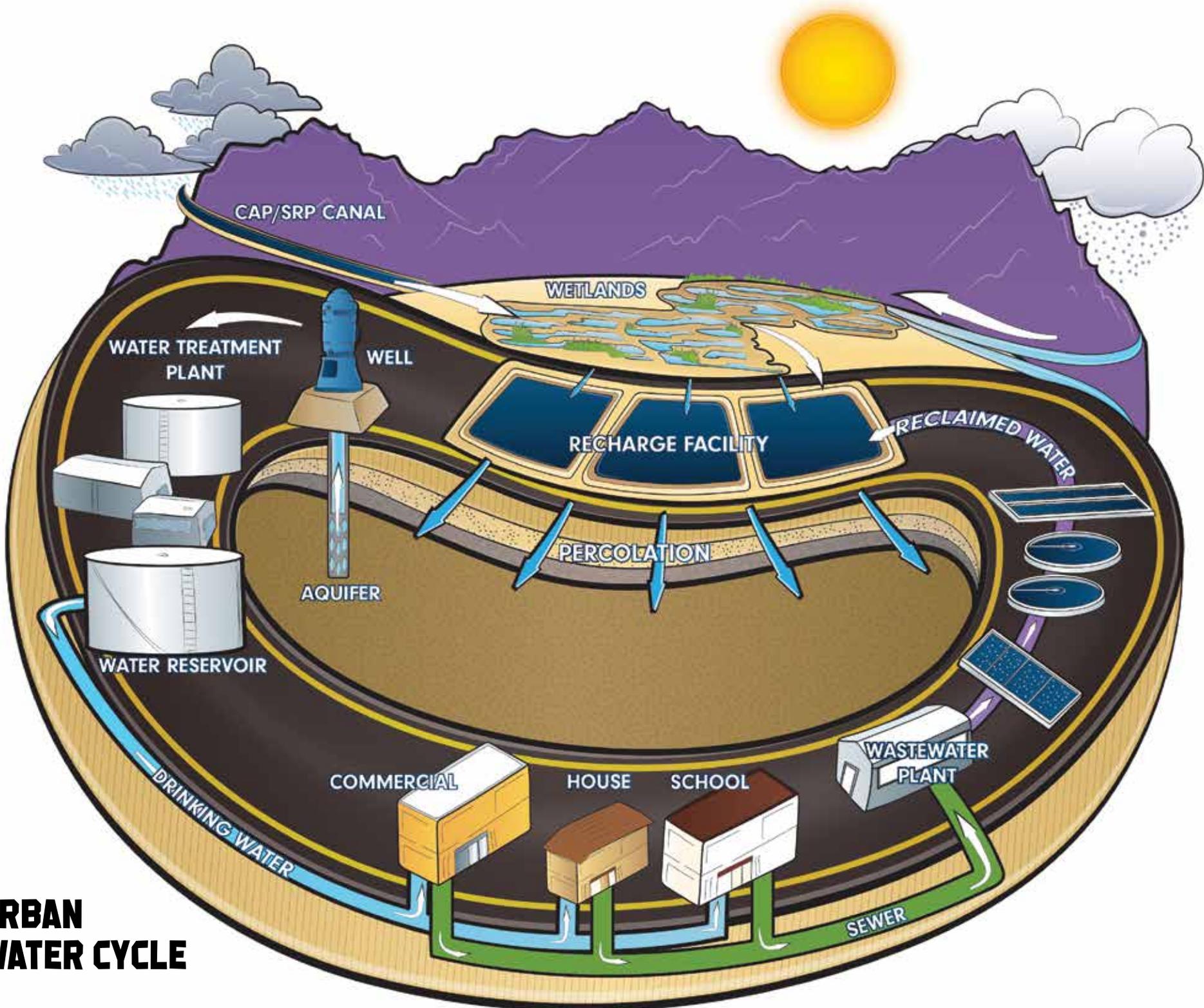


**OFFICER WATERS**

# 2021 MAY

**WATER IS ESSENTIAL TO ALL LIFE AND SUSTAINS OUR NATURAL ENVIRONMENT** | The average resident home uses 9,000 gallons of water and generates 4,000 gallons of wastewater a month. Water is tested, analyzed and monitored many times every day to ensure the four billion gallons of water provided to our customers is clean and safe to use.

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<p><b>23</b></p>	<p><b>24</b></p> <p>BULK TRASH ZONE 4</p>  <p>Begin Holiday Sanitation Schedule (See table at back of calendar.)</p> <p><b>CITY OFFICES CLOSED</b></p>	<p><b>25</b></p>	<p><b>26</b></p>	<p><b>27</b></p>	<p><b>28</b></p>	<p><b>29</b></p>																																																																																				
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# URBAN WATER CYCLE

2021

# JUNE

**CYCLICAL RETURNS** | Most of us understand the basic water cycle. The *urban* water cycle includes piping that delivers water to homes and businesses and removes flushed water to the wastewater plant. It is then cleaned and sent to the aquifer through wetland recharge and/or to the waterways to start the cycle over again. To learn more visit [www.nationalgeographic.org/media/urban-water-cycle](http://www.nationalgeographic.org/media/urban-water-cycle).

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## Fourth Unregulated Contaminant Monitoring Rule (UCMR 4) Table | Round Two | 2019

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 (2018)	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 (2018)	mg/L	None	0.07	0.71	0.33	Naturally present in the environment

As part of an on-going evaluation program the EPA has required us to monitor some additional contaminants/chemicals. Information collected through the monitoring of these contaminants/chemicals will help to ensure that future decisions on drinking water standards are based on sound science.

## LEARN MORE ABOUT WATER

**United States Environmental Protection Agency Safe Drinking Water Hotline**

(800) 426-4791 | [www.epa.gov/safewater](http://www.epa.gov/safewater)

**Arizona Department of Environmental Quality**

(602) 771-2300

[www.adeq.state.az.us/environ/water/index.html](http://www.adeq.state.az.us/environ/water/index.html)

**Maricopa County Environmental Services Department**

(602) 505-6666

[www.maricopa.gov/envsvc/WaterWaste](http://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](http://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](http://www.avondaleaz.gov/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](http://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](http://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](http://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](http://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](http://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 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
- ▶ No more than 48 hours before your designated Monday

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. 7	9/7	→ 9/8	→ 9/9	→ 9/10	→ 9/11	→ 9/12
NOVEMBER	MON	TUE	WED	THU	FRI	SAT
Veterans Day (NO SERVICE) Nov. 11			11/11	→ 11/12	→ 11/13	→ 11/14
Thanksgiving Day (NO SERVICE) Nov. 26				11/26	→ 11/27	→ 11/28
DECEMBER	MON	TUE	WED	THU	FRI	SAT
Christmas Day (NO SERVICE) Dec. 25					12/25	→ 12/26
JANUARY 2021	MON	TUE	WED	THU	FRI	SAT
New Year's Day (NO SERVICE) Jan. 1					1/1	→ 1/2
Martin Luther King, Jr Day (NO SERVICE) Jan. 18	1/18	→ 1/19	→ 1/20	→ 1/21	→ 1/22	→ 1/23
FEBRUARY	MON	TUE	WED	THU	FRI	SAT
Presidents' Day (NO SERVICE) Feb. 15	2/15	→ 2/16	→ 2/17	→ 2/18	→ 2/19	→ 2/20
MAY / JUNE	MON	TUE	WED	THU	FRI	SAT
Memorial Day (NO SERVICE) May 31	5/31	→ 6/1	→ 6/2	→ 6/3	→ 6/4	→ 6/5

## RECYCLE THESE ITEMS



## WATER CONSERVATION TIPS

Did you know that the average U.S. household uses approximately **400 gallons** of water per day or **100 gallons per person per day**? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference. Try one today!

- ▶ Take short showers: a 5 minute shower uses 5 to 10 gallons of water compared to up to 50 gallons for a bath.
- ▶ Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- ▶ Look for and install a Water Sense labeled irrigation controller.
- ▶ Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- ▶ Water plants only when necessary.
- ▶ Fixing leaky toilets and faucets, or replacing them with a new, more efficient model, can save up to 1,000 gallons a month.
- ▶ Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.

Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.



## 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](http://www.amwua.org)



# Avondale

Public Works Department  
399 E. Lower Buckeye Road  
Avondale, AZ 85323  
[www.avondaleaz.gov](http://www.avondaleaz.gov)

PRESORTED  
STANDARD MAIL  
US POSTAGE  
**PAID**  
PHOENIX, AZ  
PERMIT NO.1

WILL BE UPDATED TO  
COURIER GRAPHICS  
INDICIA

# SHUHTHAGI OKS



Avondale is proud to introduce, Shuhthagi Oks, our new tap trailer made possible by a grant from the Tohono O'odham Nation.