

PUBLIC WORKS
2018/2019 CALENDAR

ANNUAL WATER QUALITY REPORT

ACTIVITY BOOK



AVONDALE'S MIGHTIEST HEROES

Q-VONGERS

THE LEGACY CONTINUES!

Avondale

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.

We have invested and planned for Avondale's water needs.

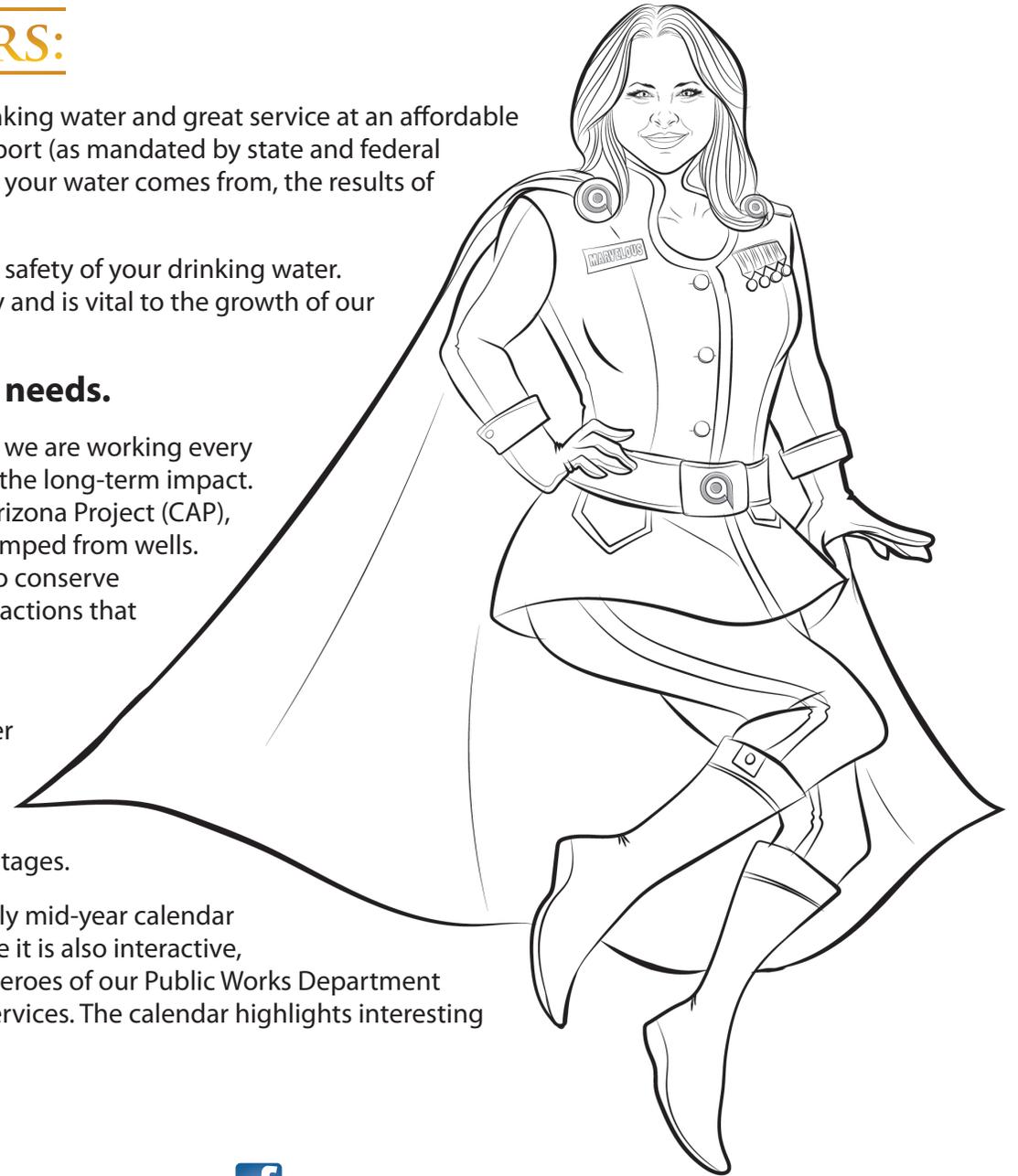
The city has been preparing for the shortages in the Colorado River, and we are working every day to enrich our water portfolio and water savings account to mitigate the long-term impact. Avondale's water portfolio, consists of surface waters from the Central Arizona Project (CAP), Salt River Project (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 is the 12th year that the city has provided you this report in a friendly mid-year calendar format. Make certain to have your color pencils and pens handy, because it is also interactive, featuring the return of the Avongers, The Legacy Continues! The superheroes of our Public Works Department provide you assurance that we are dedicated to providing you quality services. The calendar highlights interesting facts about the city, pertinent information, as well as conservation tips.

Thank you for choosing Avondale as your home.

Captain Marvelous, AKA Cindy Blackmore
City of Avondale Director of Public Works



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



2017 ANNUAL DRINKING WATER QUALITY REPORT

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 Agency (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.

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.

**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.

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 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, 2017 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	1.2	3.5	2	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	1.61	7.98	5.11	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
Sodium (optional)	ppm	N/A	N/A	84	130	106	No	Erosion of natural deposits

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

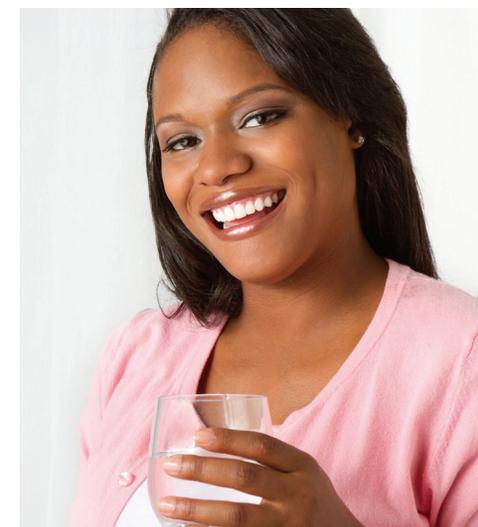
Disinfectants and Disinfection By-Products	Unit	MCL	MCLG	Low Range	High Range	Avg. Detected	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHMs)	ppb	80	N/A	15.5	16.1	15.8	No	By-product of drinking water disinfection
Total Halocetic Acids (HAAs)	ppb	60	N/A	N/A	0	0	No	By-product of drinking 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	0.10	1.72	1.02	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	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.



	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	7.12	25.7	88	47.4	106	84.4	414	156	750
Avg Grains per Gallon							24		

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, 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

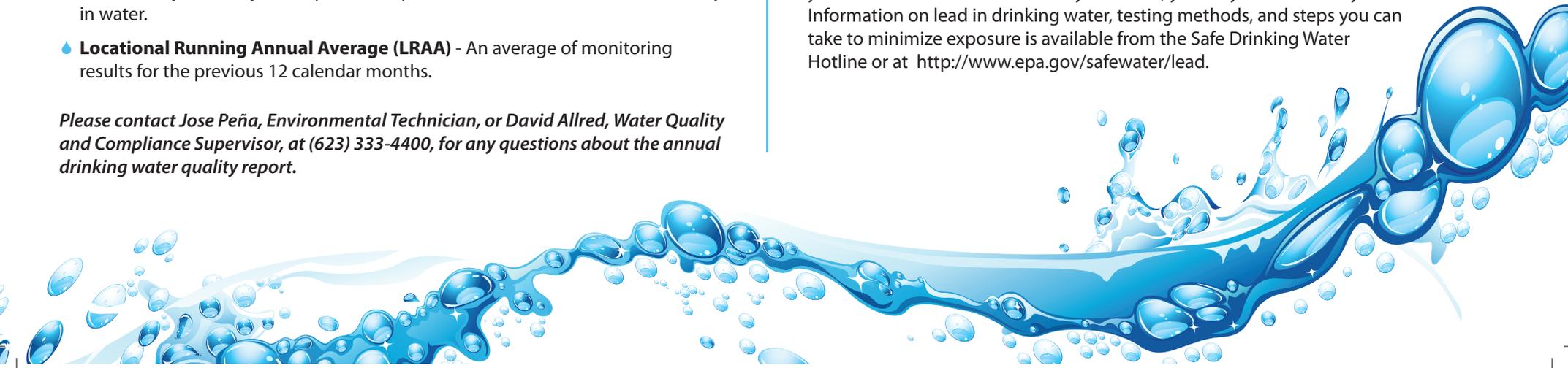
While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels 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>.



EARTH GUARDIAN SAYS...

Circle the items that should be disposed of at our Spring and Fall Household Hazardous Waste events.

Check your answers online at www.avondaleaz.gov/Avongers



JULY

Earth Guardian, aka Les Miller, wants you to know that securing trash in bags is not only a Maricopa County requirement, it also reduces the breeding of flies, unwelcome odors, and spillage on our roadways. You can help the planet by keeping trash, debris and especially toxic materials, such as paints and motor oils, from entering the waterways through the storm drains. Properly dispose of these items at one of Avondale's Household Hazardous Waste events that are held in the Spring and Fall, instead of at the curbside.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
1	2 COUNCIL MEETING BULK TRASH ZONE 1	3	4  Begin Holiday Sanitation Schedule (See table at back of calendar.) INDEPENDENCE DAY CITY OFFICES CLOSED	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	23 BULK TRASH ZONE 4	24	25	26	27	28																																																																																				
29	30 NO BULK TRASH	31	 TIP Place your recycling and garbage container by 5 am on your designated day. Set bulk trash out by 5 am on Monday of your designated week.		<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>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p>AUGUST 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>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
S	M	T	W	T	F	S																																																																																				
					1	2																																																																																				
3	4	5	6	7	8	9																																																																																				
10	11	12	13	14	15	16																																																																																				
17	18	19	20	21	22	23																																																																																				
24	25	26	27	28	29	30																																																																																				
S	M	T	W	T	F	S																																																																																				
			1	2	3	4																																																																																				
5	6	7	8	9	10	11																																																																																				
12	13	14	15	16	17	18																																																																																				
19	20	21	22	23	24	25																																																																																				
26	27	28	29	30	31																																																																																					

THE FIX & SUPER SEALER WORD SEARCH



Find these words in the grid above:

- | | | |
|--------------|---------|--------|
| SLURRY | TAR | GUTTER |
| POTHOLES | ASPHALT | CURB |
| CONSTRUCTION | SEAL | SAFETY |
| STREETS | | |
| CONCRETE | | |

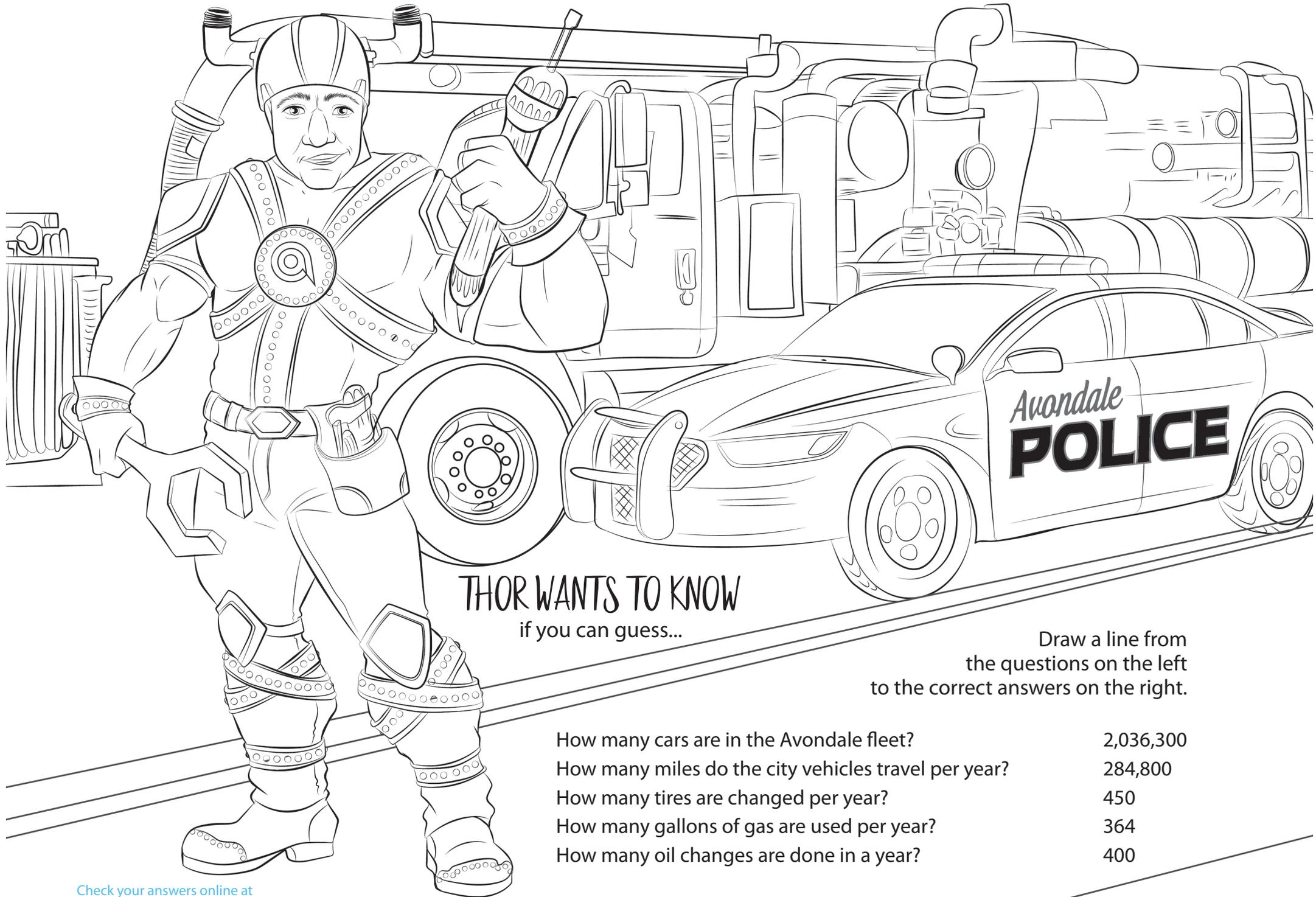


Check your answers online at www.avondaleaz.gov/Avongers

AUGUST

The Fix, aka Joe Hendrickson, and **Silver Sealer, aka Martin Castro,** fill and seal cracks and potholes on city streets and sidewalks, assuring they are maintained for the safety of vehicles and pedestrians. Keep an eye out and watch for our superhero crews while maneuvering around construction zones and street projects. Let's keep our superheroes safe!

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	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	SEPTEMBER 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	1	2	3	4
5	6 COUNCIL MEETING BULK TRASH ZONE 1	7	8	9	10	11
12	13 COUNCIL MEETING BULK TRASH ZONE 2	14	15	16	17	18
19	20 BULK TRASH ZONE 3	21	22	23	24	25
26	27 BULK TRASH ZONE 4	28	29	30	31	 TIP Monsoon Season Did you know that lightning converts atmospheric nitrogen into a nitrogen solution for plants? Capture rainwater for your plants and get the bonus of free water and fertilizer all in one.



THOR WANTS TO KNOW
if you can guess...

Draw a line from
the questions on the left
to the correct answers on the right.

- | | |
|--|-----------|
| How many cars are in the Avondale fleet? | 2,036,300 |
| How many miles do the city vehicles travel per year? | 284,800 |
| How many tires are changed per year? | 450 |
| How many gallons of gas are used per year? | 364 |
| How many oil changes are done in a year? | 400 |

SEPTEMBER

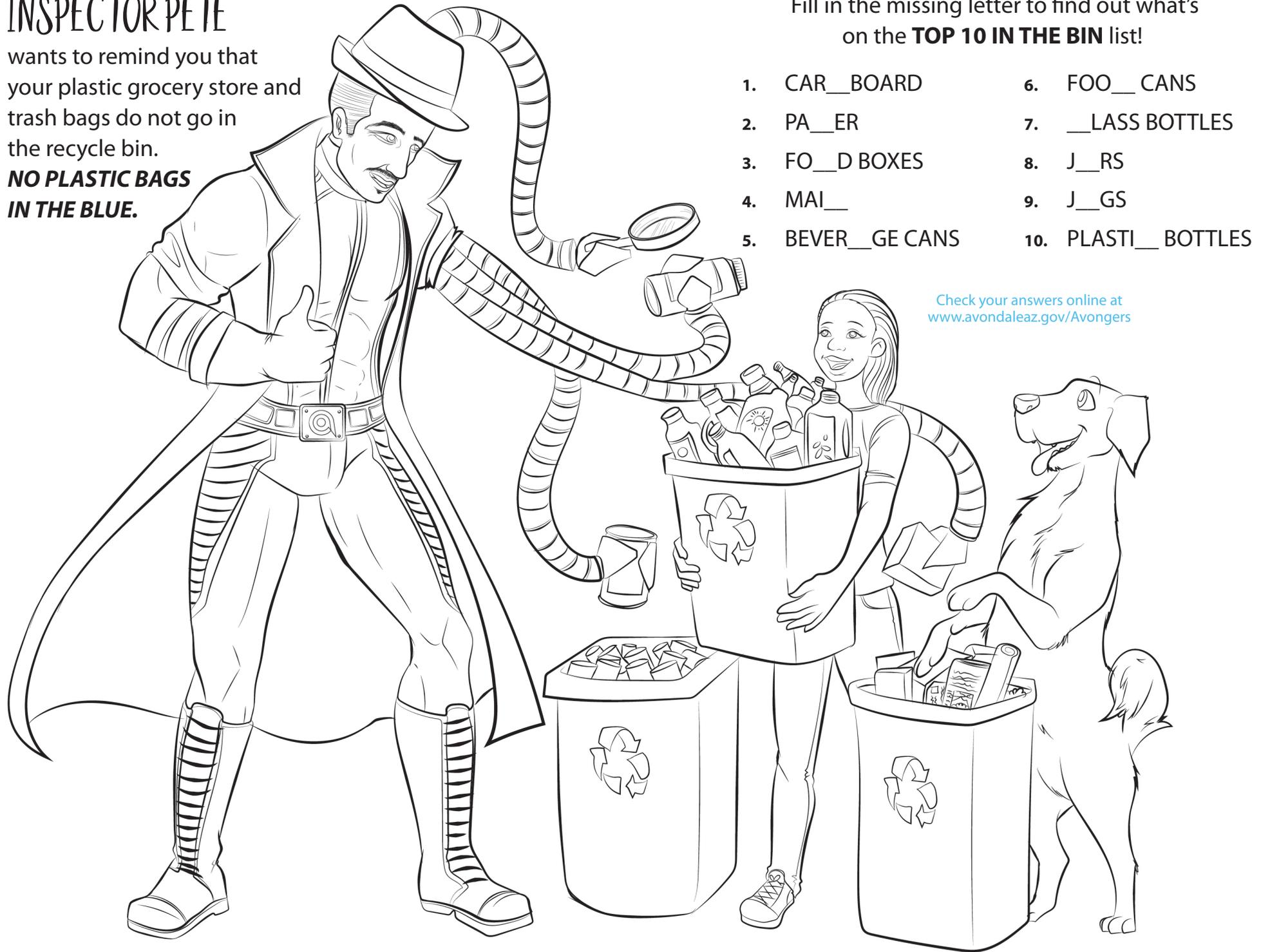
Thor, aka Jeff Munck, hammers out the heavy work of repairing and maintaining Avondale's fleet of vehicles that the police, fire, streets, sanitation and water staff use in their everyday service calls.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
 <p>TIP If water runs off your lawn easily, split your watering time to shorter periods to allow for better absorption.</p>		<p>AUGUST 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>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>OCTOBER 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						1
S	M	T	W	T	F	S																																																																																				
			1	2	3	4																																																																																				
5	6	7	8	9	10	11																																																																																				
12	13	14	15	16	17	18																																																																																				
19	20	21	22	23	24	25																																																																																				
26	27	28	29	30	31																																																																																					
S	M	T	W	T	F	S																																																																																				
	1	2	3	4	5	6																																																																																				
7	8	9	10	11	12	13																																																																																				
14	15	16	17	18	19	20																																																																																				
21	22	23	24	25	26	27																																																																																				
28	29	30	31																																																																																							
2	<p>3</p>  <p>Begin Holiday Sanitation Schedule (See table at back of calendar.)</p> <p>LABOR DAY CITY OFFICES CLOSED</p>	4	5	6	7	8																																																																																				
9	10	11	12	13	14	15																																																																																				
	<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>30</p>	<p>BULK TRASH ZONE 4</p>																																																																																									

INSPECTOR PETE

wants to remind you that your plastic grocery store and trash bags do not go in the recycle bin.

**NO PLASTIC BAGS
IN THE BLUE.**



Fill in the missing letter to find out what's on the **TOP 10 IN THE BIN** list!

1. CAR__BOARD
2. PA__ER
3. FO__D BOXES
4. MAI__
5. BEVER__GE CANS
6. FOO__CANS
7. __LASS BOTTLES
8. J__RS
9. J__GS
10. PLASTI__BOTTLES

Check your answers online at www.avondaleaz.gov/Avongers

OCTOBER

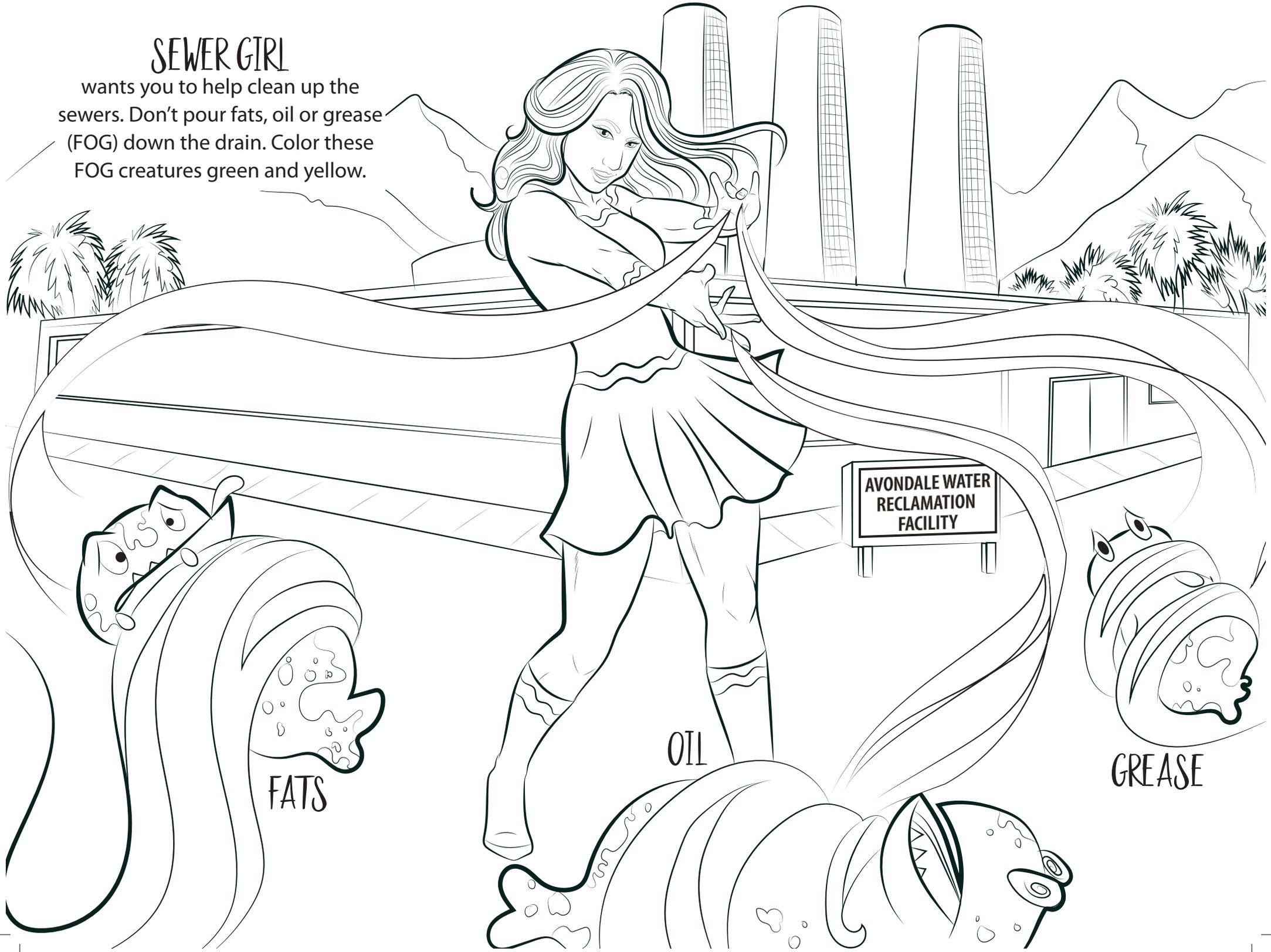
With over 26,000 households and recycling cans to inspect, **Inspector Pete, aka Pete Rides**, promotes the Do's and Don'ts of Recycling. Earn a thumbs up for proper recycling at your home!



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																												
<p>Got Hazardous Waste? Check for upcoming Household Hazardous Waste event dates posted at www.avondale.org/HHW</p>	1 COUNCIL MEETING BULK TRASH ZONE 1	2	3	4	5	6																																																																																												
7	8 BULK TRASH ZONE 2	9	10 Imagine a Day Without Water <small>October 10, 2018</small>	11	12	13																																																																																												
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	31 HAPPY HALLOWEEN			SEPTEMBER 2018 <table border="1"> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> </tr> <tr> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> </tr> <tr> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> </tr> <tr> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> </tr> <tr> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> </tr> <tr> <td>30</td> <td></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							NOVEMBER 2018 <table border="1"> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2 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></td> </tr> </table>	S	M	T	W	T	F	S						1	2 3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
S	M	T	W	T	F	S																																																																																												
						1																																																																																												
2	3	4	5	6	7	8																																																																																												
9	10	11	12	13	14	15																																																																																												
16	17	18	19	20	21	22																																																																																												
23	24	25	26	27	28	29																																																																																												
30																																																																																																		
S	M	T	W	T	F	S																																																																																												
					1	2 3																																																																																												
4	5	6	7	8	9	10																																																																																												
11	12	13	14	15	16	17																																																																																												
18	19	20	21	22	23	24																																																																																												
25	26	27	28	29	30																																																																																													

SEWER GIRL

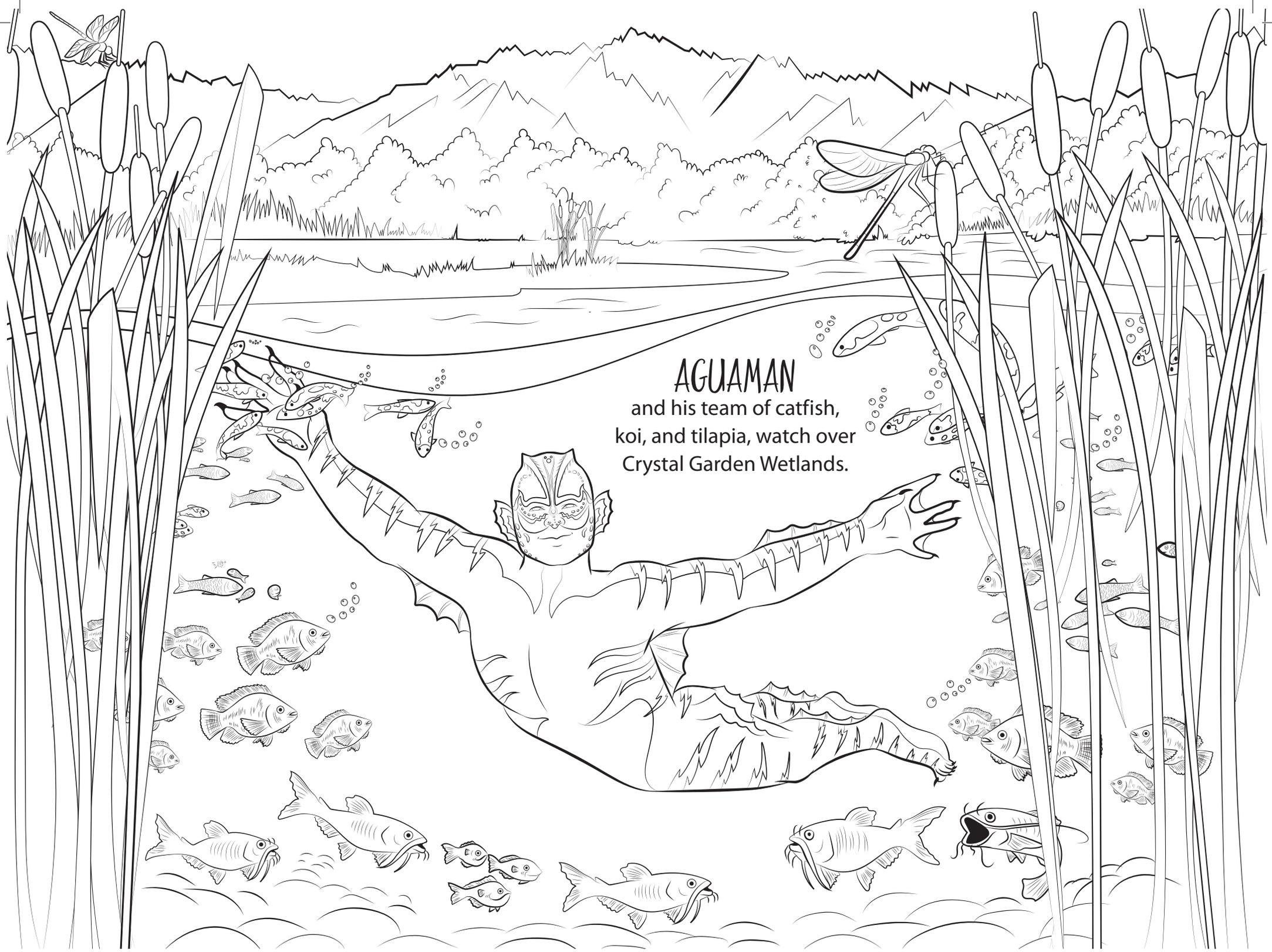
wants you to help clean up the sewers. Don't pour fats, oil or grease (FOG) down the drain. Color these FOG creatures green and yellow.



NOVEMBER

Pollutant prevention is a dirty job, but **Sewer Girl, aka Lacey James**, defends our city by fighting off Fats, Oils and Grease (FOG), that otherwise could interfere with the operation of the reclaimed treatment facility or clog up the wastewater collection system. Instead of dumping used FOG down the drain, consider disposing of it at Avondale's used cooking oil drop-off located at 399 E. Lower Buckeye Rd.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																											
	 <p>Help keep fats, oils and grease out of drains. Scrape food, grease and used oil into the trash NOT down the sink or garbage disposal.</p>	<p>OCTOBER 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>DECEMBER 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</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td>31</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	31						1	2	3
S	M	T	W	T	F	S																																																																																											
	1	2	3	4	5	6																																																																																											
7	8	9	10	11	12	13																																																																																											
14	15	16	17	18	19	20																																																																																											
21	22	23	24	25	26	27																																																																																											
28	29	30	31																																																																																														
S	M	T	W	T	F	S																																																																																											
						1																																																																																											
2	3	4	5	6	7	8																																																																																											
9	10	11	12	13	14	15																																																																																											
16	17	18	19	20	21	22																																																																																											
23	24	25	26	27	28	29																																																																																											
30	31																																																																																																
4	5	6	7	8	9	10																																																																																											
	COUNCIL MEETING BULK TRASH ZONE 1					HOUSEHOLD HAZARDOUS WASTE EVENT																																																																																											
11	12	13	14	15	16	17																																																																																											
 VETERANS DAY EVENT	BULK TRASH ZONE 2																																																																																																
18	19	20	21	22	23	24																																																																																											
	COUNCIL MEETING BULK TRASH ZONE 3			 Begin Holiday Sanitation Schedule (See table at back of calendar.) THANKSGIVING DAY CITY OFFICES CLOSED	CITY OFFICES CLOSED																																																																																												
25	26	27	28	29	30																																																																																												
	BULK TRASH ZONE 4																																																																																																



AGUAMAN
and his team of catfish,
koi, and tilapia, watch over
Crystal Garden Wetlands.

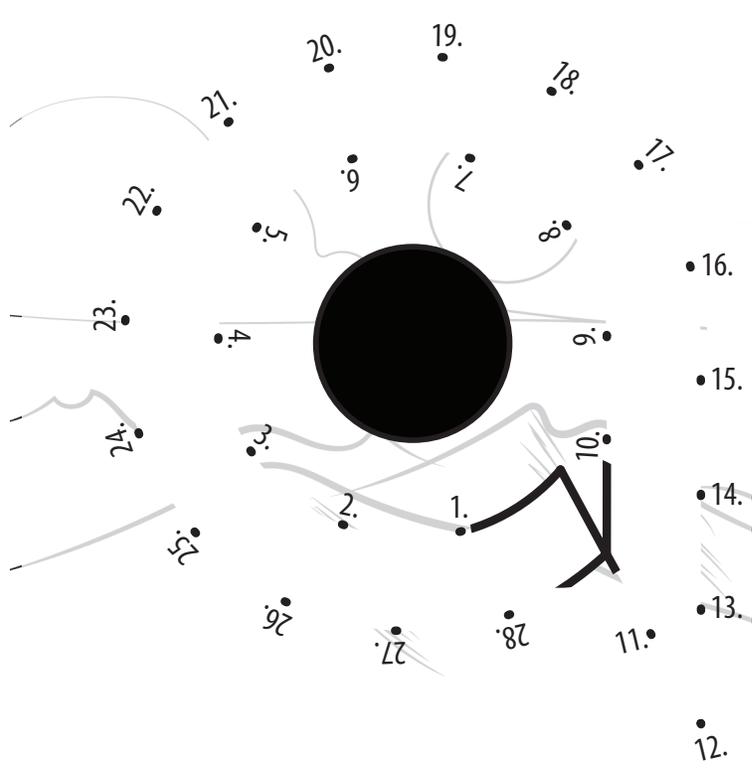
DECEMBER

Aguaman, aka Reid Birrell, ensures the Crystal Gardens Wetlands Treatment Facility is kept healthy with the help of vegetation and fish. The fish consume large amounts of algae while the vegetation and microorganisms help enhance the nitrogen cycle. This in turn reduces nitrate levels from the incoming nitrogen rich surface water.

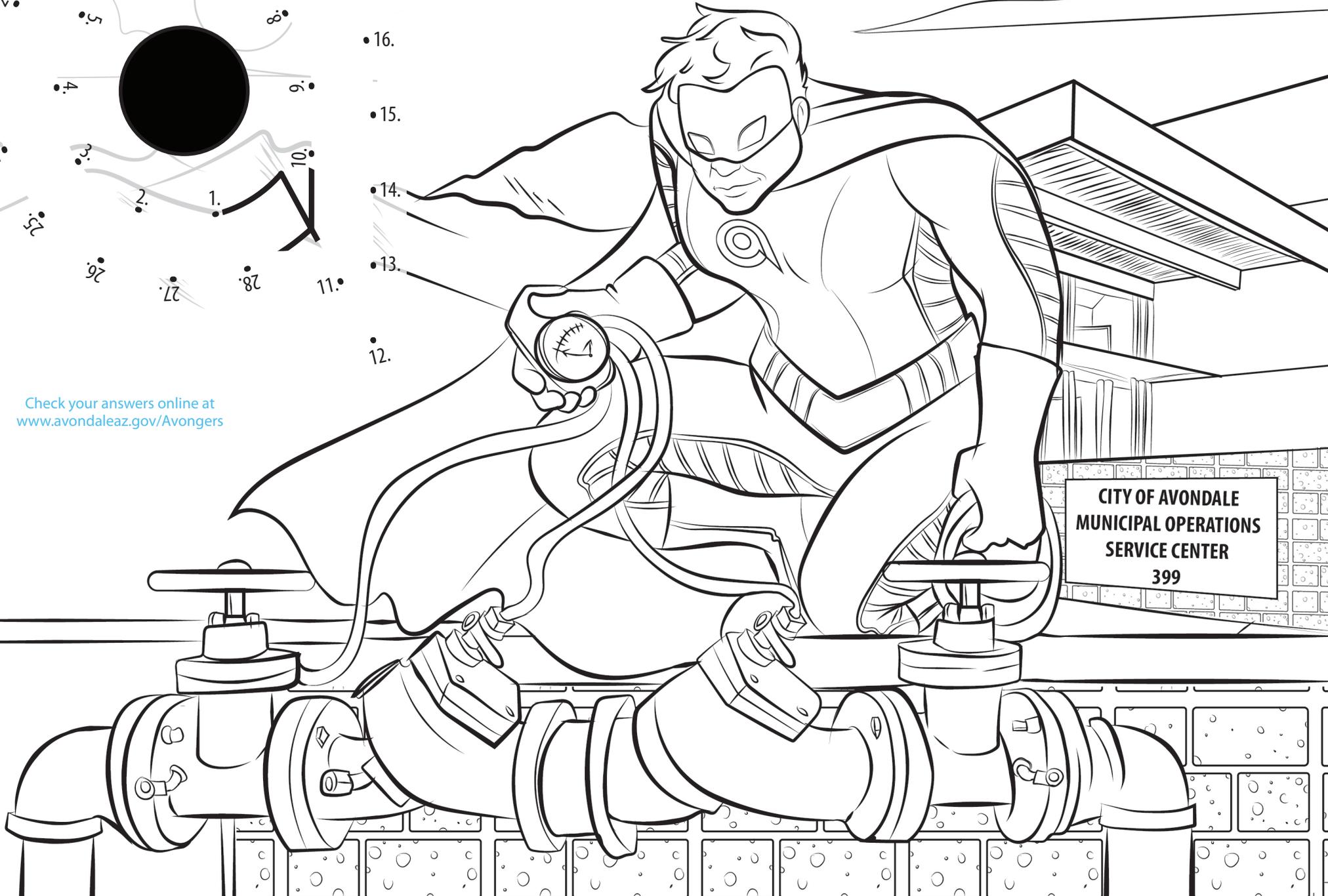
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 <p>Dispose of flushable wipes, rags, tissues, in the trash. Products labeled "disposable" cannot be thrown in the toilet. These products do not disintegrate, clogging up pumps and causing sewer back-ups.</p>		NOVEMBER 2018 S M T W T F S 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JANUARY 2019 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			1
2	3 COUNCIL MEETING BULK TRASH ZONE 1	4	5	6	7	8
9	10 BULK TRASH ZONE 2	11	12	13	14	15
16	17 COUNCIL MEETING BULK TRASH ZONE 3	18	19	20	21	22
23	24 BULK TRASH ZONE 4	25  CHRISTMAS DAY CITY OFFICES CLOSED	26	27	28	29
30	31 NO BULK TRASH					

BACKFLOW WOMAN

is receiving an emergency signal from somewhere in Avondale.
Connect the dots to see what the signal looks like.



Check your answers online at
www.avondaleaz.gov/Avongers



**CITY OF AVONDALE
MUNICIPAL OPERATIONS
SERVICE CENTER
399**

JANUARY

With backflow prevention, we can minimize the risk of contamination into the city's potable water system.

Backflow Woman, aka Maria Hinojos, currently oversees 3,867 cross connection devices to ensure hazards do not enter the city's water distribution system. Cross connection devices range from vacuum breakers on household hose bibs to large commercial reduce-pressure principal devices found throughout the city.

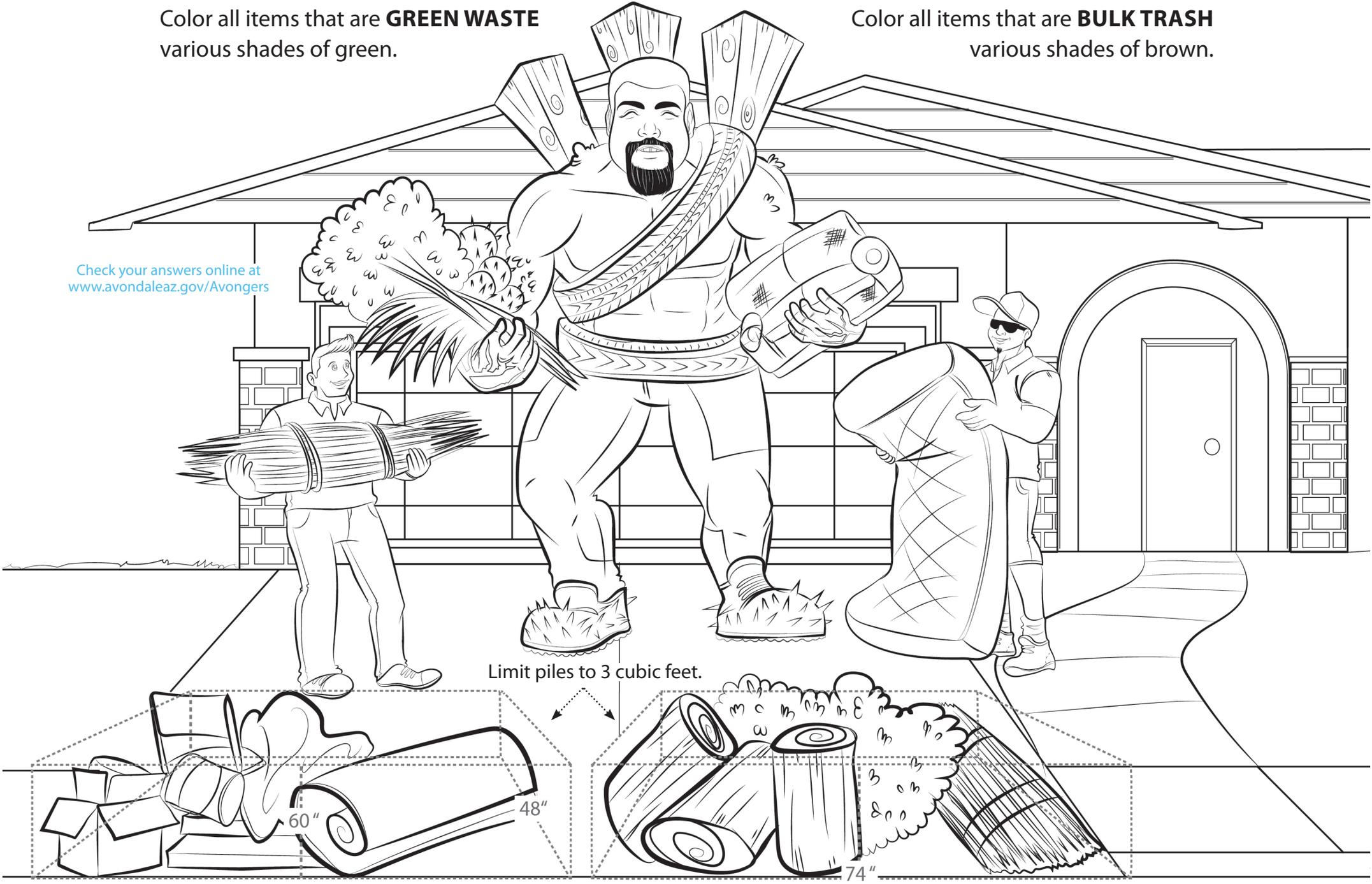
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>DECEMBER 2018</p> <p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> <p>30 31</p>	<p>FEBRUARY 2019</p> <p>S M T W T F S</p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28</p>	<p>1</p>  <p>Begin Holiday Sanitation Schedule (See table at back of calendar.)</p> <p>NEW YEAR'S DAY CITY OFFICES CLOSED</p>	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	<p>21</p>  <p>Begin Holiday Sanitation Schedule (See table at rear of calendar.)</p> <p>MARTIN LUTHER KING JR DAY CITY OFFICES CLOSED</p>	22 COUNCIL MEETING BULK TRASH ZONE 3	23	24	25	26
27	28 BULK TRASH ZONE 4	29	30	31		<p>TIP</p> <p>Check for free landscape classes that will provide guidance on how to have a lush and water thrifty yard. Classes can be found on the city's website calendar or by calling the water conservation line at (623) 333-4422.</p>

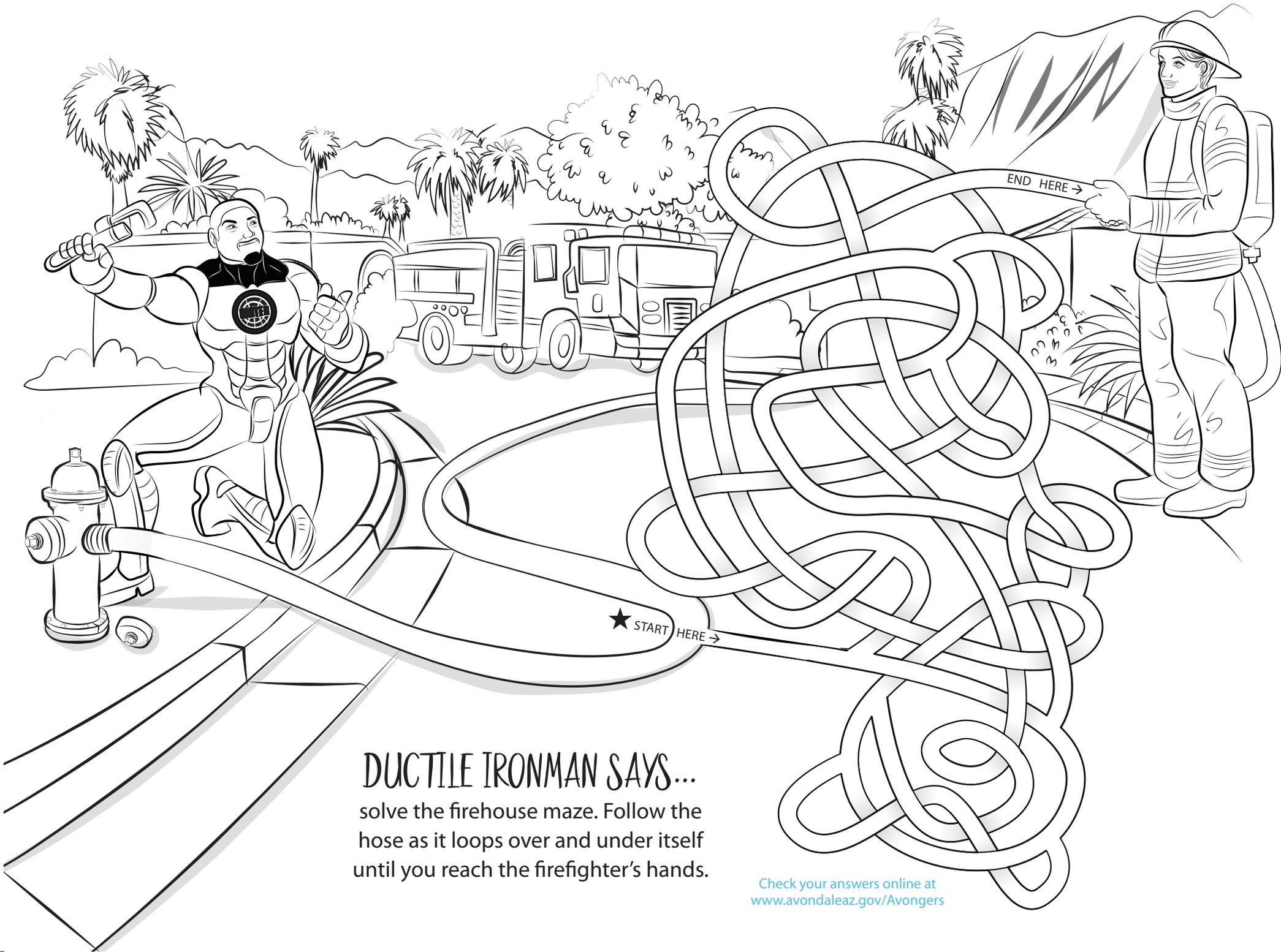
THE INCREDIBLE BULK SAYS... Keep green waste separate from bulk trash.

Color all items that are **GREEN WASTE** various shades of green.

Color all items that are **BULK TRASH** various shades of brown.

Check your answers online at www.avondaleaz.gov/Avongers





DUCTILE IRONMAN SAYS...

solve the firehouse maze. Follow the hose as it loops over and under itself until you reach the firefighter's hands.

Check your answers online at www.avondaleaz.gov/Avongers

MARCH

Delivering safe, reliable drinking water to our customers is a priority - but maintaining the 2,797 hydrants, 331 miles of water mains and reading over 23,722 water meters are also tasks for this superhero.

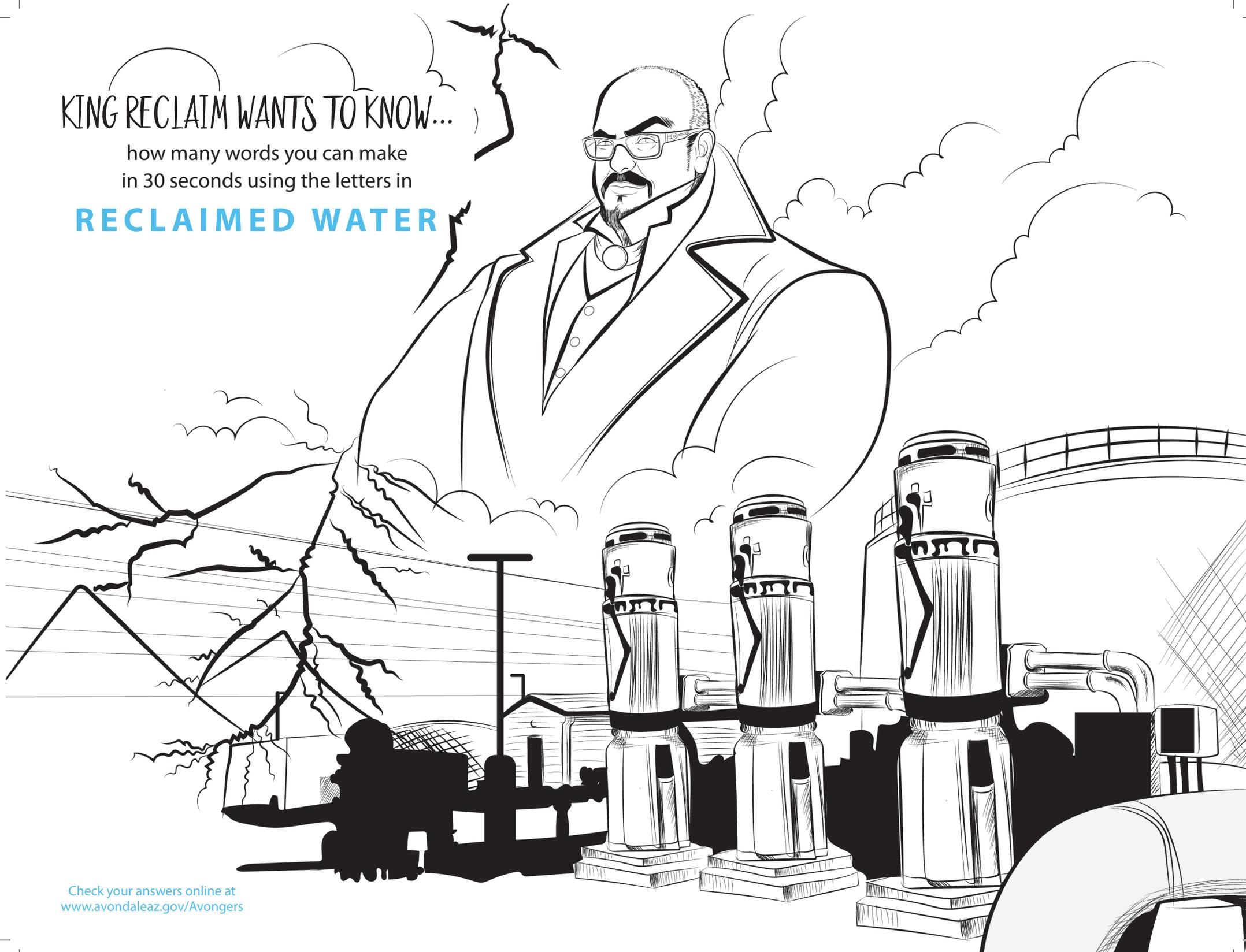
Ductile Ironman, aka Leonard Moreno, is always on-hand ensuring the community's water is safe!

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	FEBRUARY 2019 S M T W T F S 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 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	 <p>TIP Fix-a-leak Month You can learn easy strategies to find leaks in and outside your home by requesting a copy of "Find and Fix Leaks that are Draining Your Budget." www.smarthomewaterguide.org</p>	 <p>Find & Fix LEAKS that are draining your BUDGET</p> 	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  NATIONAL FIX-A-LEAK WEEK	18 COUNCIL MEETING BULK TRASH ZONE 3	19	20	21	22	23
24 31	25 BULK TRASH ZONE 4	26	27	28	29	30

KING RECLAIM WANTS TO KNOW...

how many words you can make
in 30 seconds using the letters in

RECLAIMED WATER



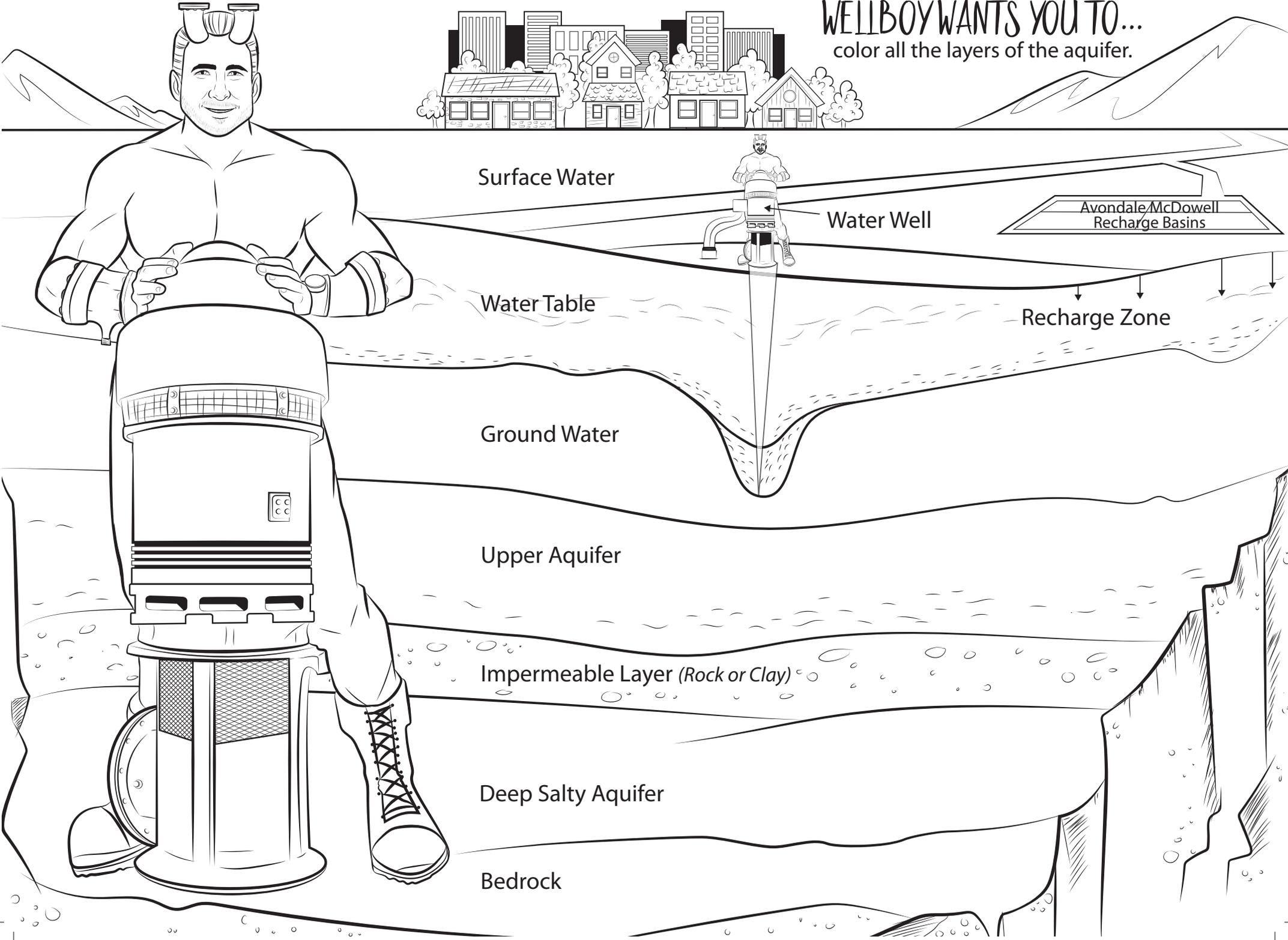
Check your answers online at
www.avondaleaz.gov/Avongers

APRIL

King Reclaim, aka Miguel Ayala, employs a combination of sophisticated instrumentation to provide reusable clean water to the aquifer at the McDowell Recharge site where thousands of acre feet of reclaimed water is recharged every year for future use. Last year, over 3 billion gallons were recharged --- giving water a second chance.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																											
 <p>TIP 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>	1 COUNCIL MEETING BULK TRASH ZONE 1	2	3	4	5	6																																																																																											
7	8 BULK TRASH ZONE 2	9	10	11	12	13																																																																																											
14	15 COUNCIL MEETING BULK TRASH ZONE 3	16	17	18	19	20																																																																																											
21  HAPPY EASTER	22 EARTH DAY BULK TRASH ZONE 4	23	24	25	26 ARBOR DAY	27																																																																																											
28	29 NO BULK TRASH	30	 Arizona Water Awareness Month	 <p>Map showing zones: ZONE 1 (blue), ZONE 2 (orange), ZONE 3 (green), ZONE 4 (purple). Features include I-10 FWY, Western Ave, and Agua Fria River.</p>	MARCH 2019 <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></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	31							MAY 2019 <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
S	M	T	W	T	F	S																																																																																											
					1	2																																																																																											
3	4	5	6	7	8	9																																																																																											
10	11	12	13	14	15	16																																																																																											
17	18	19	20	21	22	23																																																																																											
24	25	26	27	28	29	30																																																																																											
31																																																																																																	
S	M	T	W	T	F	S																																																																																											
			1	2	3	4																																																																																											
5	6	7	8	9	10	11																																																																																											
12	13	14	15	16	17	18																																																																																											
19	20	21	22	23	24	25																																																																																											
26	27	28	29	30	31																																																																																												

WELLBOY WANTS YOU TO...
color all the layers of the aquifer.



Surface Water

Water Well

Avondale/McDowell
Recharge Basins

Water Table

Recharge Zone

Ground Water

Upper Aquifer

Impermeable Layer (Rock or Clay)

Deep Salty Aquifer

Bedrock

MAY

Wellboy, aka Matt Ferrell, is responsible for the treatment of water pumped through 16 wells from the city's underground water source, ensuring that it meets environmental quality standards, and storing it in order to meet the 13-million gallon daily water demand of our customers.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	APRIL 2019 S M T W T F S 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JUNE 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	1	2	3	4
5 NATIONAL DRINKING WATER WEEK	6 COUNCIL MEETING BULK TRASH ZONE 1	7	8	9	10	11
12 	13 BULK TRASH ZONE 2	14	15	16	17	18
19  NATIONAL PUBLIC WORKS WEEK	20 COUNCIL MEETING BULK TRASH ZONE 3	21	22	23	24	25
26	27  Begin Holiday Sanitation Schedule (See table at back of calendar.) MEMORIAL DAY CITY OFFICES CLOSED	28 BULK TRASH ZONE 4	29	30	31	 TIP 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.

CAPTAIN AVONDALE WANTS YOU TO BE SUPER

Draw your superhero self and write your super name.



JUNE

Captain Avondale, aka Sal Cruz, combats sewer back-ups by continuously surveying and inspecting over 280 sewer lines throughout the Avondale metropolis. Do your part in keeping our sewer lines clear by only flushing acceptable items down toilets and drains. Please do **NOT** flush diapers, feminine hygiene products or wipes.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																				
	 <p>TIP A water hose can waste up to 12 gallons per minute; install an automatic shut-off valve for your hose.</p>	<p>MAY 2019</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></td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S			1	2	3	4		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>JULY 2019</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>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	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
S	M	T	W	T	F	S																																																																																				
		1	2	3	4																																																																																					
5	6	7	8	9	10	11																																																																																				
12	13	14	15	16	17	18																																																																																				
19	20	21	22	23	24	25																																																																																				
26	27	28	29	30	31																																																																																					
S	M	T	W	T	F	S																																																																																				
1	2	3	4	5	6	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																																																																																							
2	3	4	5	6	7	8																																																																																				
	COUNCIL MEETING BULK TRASH ZONE 1																																																																																									
9	10	11	12	13	14	15																																																																																				
	BULK TRASH ZONE 2																																																																																									
16	17	18	19	20	21	22																																																																																				
	COUNCIL MEETING BULK TRASH ZONE 3																																																																																									
23	24	25	26	27	28	29																																																																																				
30	BULK TRASH ZONE 4																																																																																									

AVONDALE'S PARTNERSHIPS

Third Unregulated Contaminant Monitoring Rule (UCMR3) Table

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

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



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

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
- ▶ 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 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

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. 3	9/3	9/4	9/5	9/6	9/7	9/8
NOVEMBER	MON	TUE	WED	THU	FRI	SAT
Thanksgiving Day (NO SERVICE) Nov. 22				11/22	11/23	11/24
DECEMBER	MON	TUE	WED	THU	FRI	SAT
Christmas Day (NO SERVICE) Dec. 25		12/25	12/26	12/27	12/28	12/29
JANUARY 2019	MON	TUE	WED	THU	FRI	SAT
New Year's Day (NO SERVICE) Jan. 1		1/1	1/2	1/3	1/4	1/5
Martin Luther King, Jr Day (NO SERVICE) Jan. 21	1/21	1/22	1/23	1/24	1/25	1/26
FEBRUARY	MON	TUE	WED	THU	FRI	SAT
Presidents' Day (NO SERVICE) Feb. 18	2/18	2/19	2/20	2/21	2/22	2/23
MAY	MON	TUE	WED	THU	FRI	SAT
Memorial Day (NO SERVICE) May 27	5/27	5/28	5/29	5/30	5/31	6/1

RECYCLE THESE ITEMS

TOP 10 IN THE BIN

What's Recyclable In Avondale?



1. CARDBOARD
2. PAPER
3. FOOD BOXES
4. MAIL
5. BEVERAGE CANS
6. FOOD CANS
7. GLASS BOTTLES
8. JARS (GLASS & PLASTIC)
9. JUGS
10. PLASTIC BOTTLES WITH CAPS ON

Avondale

What's in YOUR blue bin?



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.

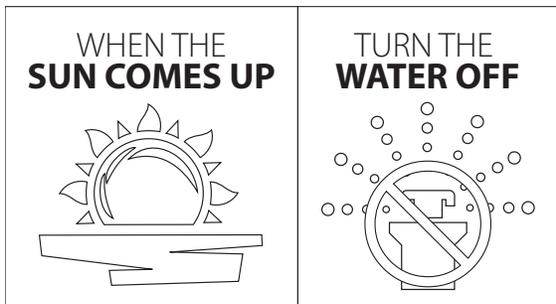
PRESORTED
STANDARD MAIL
US POSTAGE
PAID
PHOENIX, AZ
PERMIT NO. 1

Avondale

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

Visit www.avondaleaz.gov/Avongers for more information about our unique Avondale team of superheroes and their areas of service in your community. You can also find tips on conserving water, creating a low water-use, lush landscape, recycling, household hazardous waste, bulk trash and so much more!

Check out our FREE Landscaping Classes!



MASTER GARDENER (*aka Esmie Avila*) SAYS...

draw in your own water-saving landscape using Xeriscape plants like cacti, succulents, desert trees, sage plants, and more!

