



Sustain & Gain



2016

Save Energy Every Day

How to Throw IT Away

All About Water

The Urban Water Cycle

Free Sustainability Classes



**KEEP THIS!
IMPORTANT
INFO YOU NEED
ALL YEAR!**



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responsible sources
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Save Money & the Planet with an Energy-Efficient Home

SUMMER

The Arizona sun can burn more than your skin, it can burn a hole in your pocket! Not only does the summer heat make your AC unit work double duty, the heat also affects the performance of your other appliances, like your refrigerator.

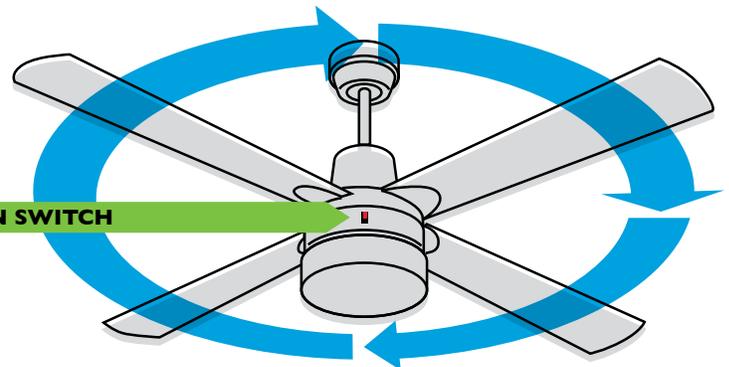
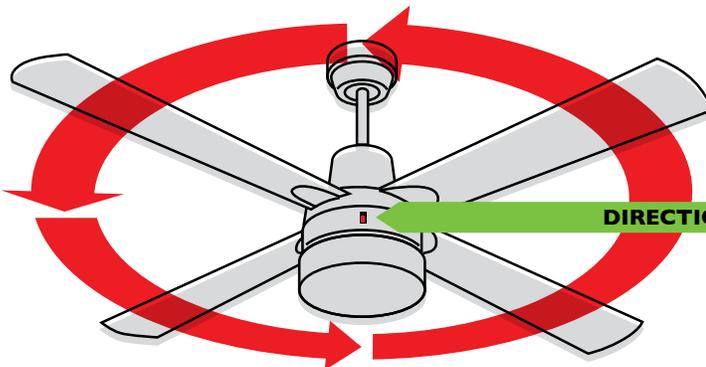
- Set your thermostat to 79 degrees and turn on your ceiling fans if you'll be away from home for several hours.
- Avoid direct sunlight by keeping windows shaded with blinds or a strategically-placed tree.
- Do cooking and other heat-producing household cleaning and maintenance during cooler parts of the day. Barbecue outdoors to keep the heat out of the kitchen.



WINTER

Peoria winters are pretty amazing, but every now and then you'll find yourself reaching for added warmth. Here are some tips to keep some cash in your pocket during the winter months!

- Set your thermostat at 68 degrees or lower if you'll be away from home for several hours or 60 degrees if you leave for an extended amount of time.
- Let the natural heat of the sun warm up your home but make sure to close the curtains at night to keep the heat in.
- During cool winter months, set your ceiling fans to run clockwise to circulate warm air downward. Don't forget to set the fan back for summer.



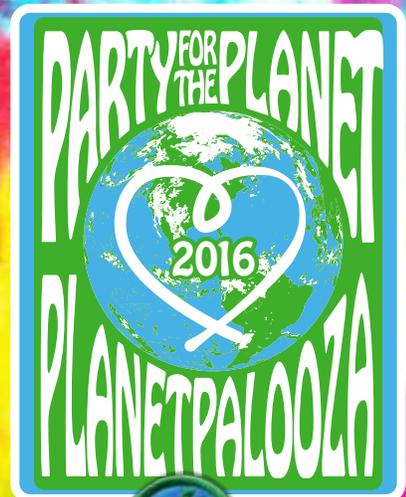
TIPS FOR THE ENTIRE YEAR

- Replace your air filter at least once a month and write the date you changed it on the edge of the filter. Also, add a reminder on your electronic device or calendar. Changing it regularly will help save energy and increase the life of your cooling and heating system.
- Caulk around windows, doorframes, and wherever air might leak through exterior walls, floors, or ceilings.
- Do you want to know how much vampire energy your 120-volt standard outlet electronics and appliances are using? Check out a Kill-A-Watt monitor for free from the Peoria Main Library. You can figure out which electronics are using energy and if they're worth unplugging by calculating the expenses.
- Call your local electric utility company (APS or SRP) and request a \$99 Home Performance Checkup (a \$400 value). Specially trained contractors will diagnose your home and identify energy saving upgrades, if necessary.

Save
the
Date!

Centennial
Plaza Park
9875 N. 85th Avenue

Saturday
April 23, 2016
11 am to 3 pm



Grow Water Wise!

Water the outer edge of the plant's canopy to the depth indicated.



LANDSCAPING WATERING GUIDE

TREES

Desert Adapted

- Spring** Water every 7-12 days
- Summer** Water every 7-10 days
- Fall** Water every 7-12 days
- Winter** Water every 14-30 days

High Water Use

- Spring** Water every 14-30 days
- Summer** Water every 7-21 days
- Fall** Water every 14-30 days
- Winter** Water every 30-60 days

Water 24"-36" deep

SHRUBS

Desert Adapted

- Spring** Water every 14-30 days
- Summer** Water every 7-21 days
- Fall** Water every 14-30 days
- Winter** Water every 30-45 days

High Water Use

- Spring** Water every 7-10 days
- Summer** Water every 5-7 days
- Fall** Water every 7-10 days
- Winter** Water every 10-14 days

Water 18"-24" deep

ANNUALS

- Spring** Water every 3-7 days
- Summer** Water every 2-5 days
- Fall** Water every 3-7 days
- Winter** Water every 5-10 days

Water 8"-12" deep

CACTI & SUCCULANTS

- Spring** Water every 21-45 days
- Summer** Water every 14-30 days
- Fall** Water every 21-45 days
- Winter** If needed

Water 8"-12" deep

GROUNDCOVERS & VINES

Desert Adapted

- Spring** Water every 14-30 days
- Summer** Water every 7-21 days
- Fall** Water every 14-30 days
- Winter** Water every 21-45 days

High Water Use

- Spring** Water every 7-10 days
- Summer** Water every 2-5 days
- Fall** Water every 7-10 days
- Winter** Water every 10-14 days

Water 8"-12" deep

Peoria has enough water to use, but never enough to waste!™

PRACTICE THE SEVEN PRINCIPLES OF XERISCAPE

1. GOOD LANDSCAPING PLANNING & DESIGN
2. LOW-WATER-USE PLANTS
3. APPROPRIATE TURF (LAWN) AREAS
4. EFFICIENT IRRIGATION
5. SOIL IMPROVEMENTS
6. USE OF MULCHES
7. APPROPRIATE MAINTENANCE

Visit the Desert Fusion Garden in front of City Hall and see for yourself!



Purple Prickly Pear
(*Opuntia santa-rita*)
Shrub-like cactus that turns purple in cold weather
Photo: azplantlady.com



Red Yucca
(*Hesperaloe parviflora*)
Succulent accent plant tolerates tough conditions and attracts hummingbirds
Photo: azplantlady.com



Featherbush
(*Lysiloma microphylla*)
Flowering accent tree casts light shade and works in oasis landscape design themes
Photo: Scott Millard, amwua.org



Desert Willow
(*Chilopsis linearis*)
Fast growing tree to 25' height with orchid like flowers
Photo: azplantlady.com



Red Bird of Paradise
(*Caesalpinia pulcherrima*)
Fast growing shrub with showy flowers that attract hummingbirds and butterflies
Photo: tjsgarden.com



Desert Milkweed
(*Asclepias subulata*)
Succulent accent plant essential to the survival of the Monarch butterfly
Photo: George DeLange, www.delange.org

Save water & get a refund!



Find rebate forms at peoriaaz.gov/rebate

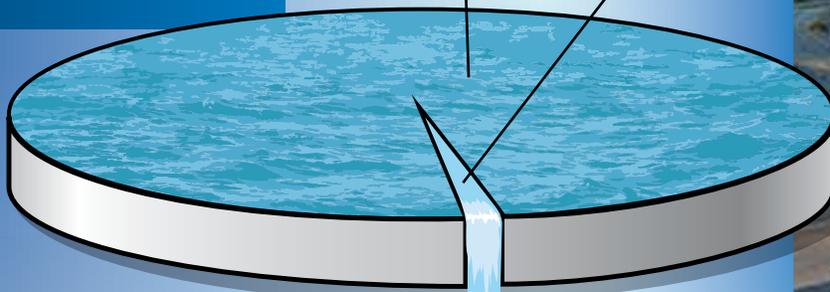
Why Conserve?

THERE IS NO NEW WATER!

70% of the Earth's surface is water but only a small amount is available to us.*

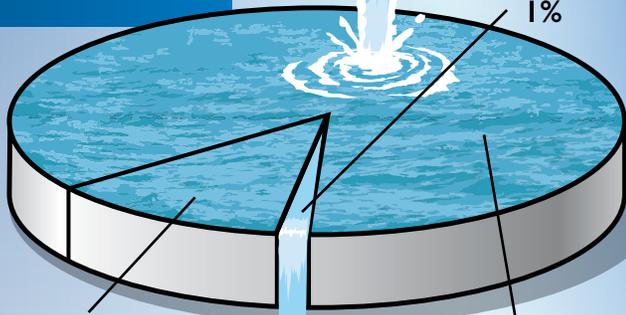
ALL WATER ON EARTH

Oceans 97%
Freshwater 3%



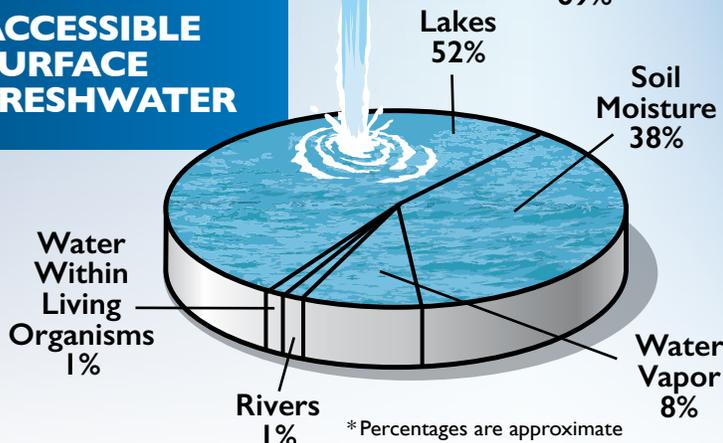
FRESHWATER

Accessible Surface Freshwater 1%



Groundwater 30%
Ice Caps & Glaciers 69%

ACCESSIBLE SURFACE FRESHWATER



*Percentages are approximate

Your Water's Journey

41% of Peoria's water supply is from the **Colorado River Watershed**. It's delivered to Peoria by the **Central Arizona Project canal**, a **336-mile** long system of **aqueducts, tunnels, pumping plants & pipelines** that runs from **Lake Havasu** near **Parker** to **Sahuarita**. It's the **largest single resource of renewable water supplies in Arizona**.



OTHER WATER SOURCES

33% SALT RIVER PROJECT (SRP)
24% STORED WATER FROM WELLS
2% RECLAIMED WATER DIRECTLY DELIVERED

FACTORS AFFECTING WATER LEVELS IN THE COLORADO RIVER SYSTEM

CLIMATE



11-YEAR AVG. TEMPERATURE HAS INCREASED **3.6°F (2°C)** SINCE 1970.

COLORADO RIVER BASIN & MUCH OF THE WESTERN U.S. HAS BEEN IN A PERSISTENT **DROUGHT** SINCE 2000.

STORMS



WINTER STORMS PROVIDE THE LARGEST SOURCE OF MOISTURE FOR UPPER COLORADO RIVER BASIN.

TOTAL ANNUAL PRECIPITATION IN THE BASIN IS HIGHLY VARIABLE, RANGING FROM **9 INCHES-20 INCHES** IN THE LAST 20 YEARS.

SNOWPACK



MOST PRECIPITATION GENERATED IN THE UPPER COLORADO RIVER BASIN ACCUMULATES IN THE FORM OF SNOWPACKS.

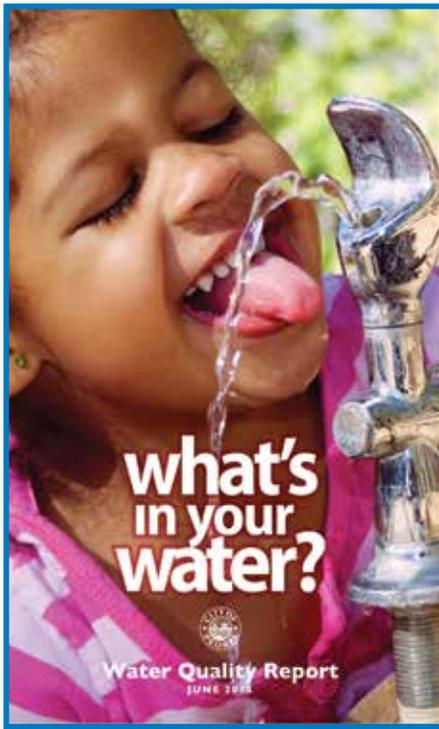
ON AVERAGE, 20-30% OF ANNUAL PRECIPITATION GENERATED IN THE UPPER COLORADO RIVER BASIN IS CONVERTED INTO RUNOFF.

RUNOFF



92% OF COLORADO RIVER RUNOFF IS GENERATED IN THE UPPER COLORADO RIVER BASIN.

SINCE THE 1990s, ANNUAL AVERAGE NATURAL COLORADO RIVER FLOW HAS **DECREASED BY 15%**.



Every year, Peoria stores more water in underground aquifers than it takes out. This stored water helps protect Peoria against drought.

Water Quality

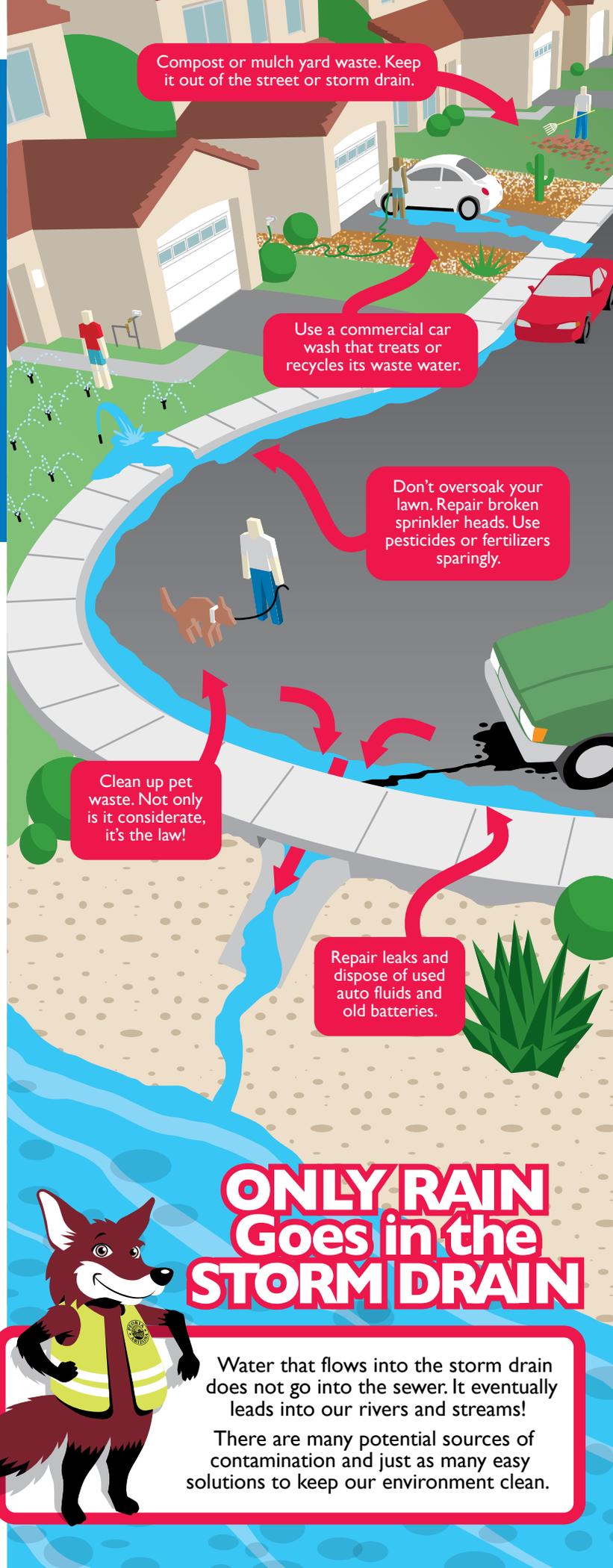
Every drop of Peoria's drinking water is treated using modern, state-of-the-art treatment technology. Hundreds of tests are performed each day to be certain that drinking water meets all federal, state and local water quality standards. This ensures that your drinking water is safe; every drop, every day.

For the latest report, visit peoriaaz.gov/waterreports

Water Resources

Peoria is prepared to meet the challenge of providing customers a safe, high quality, reliable supply of water even during times of drought. The city relies on both surface water (CAP and SRP) and water pumped from wells. This diverse portfolio is constantly replenished.

Learn more at peoriaaz.gov/envresources



ONLY RAIN Goes in the STORM DRAIN



Water that flows into the storm drain does not go into the sewer. It eventually leads into our rivers and streams!

There are many potential sources of contamination and just as many easy solutions to keep our environment clean.

WATER-SAVING DEVICE

#131

USE A HOSE NOZZLE OR TURN OFF THE WATER WHILE YOU WASH YOUR CAR. YOU'LL SAVE UP TO 100 GALLONS EVERY TIME.

There are a number of ways to save water, and they all start with you. To learn more, visit wateruseitwisely.com

PRECIPITATION

Rain and snow creates our water supply.

STORMWATER

Runoff goes into storm drains then to rivers.

Reclaimed water is used for landscaping.

Some water soaks deep into the ground.

Aquifers are geological formations which absorb water like a giant sponge!

Some water is recovered for drinking supply.

RECHARGE

Reclaimed water is stored in aquifer.

Purple pipes deliver reclaimed water.

WATER RECLAMATION

Used water undergoes multiple purification steps at treatment plants.

THE LIFE CYCLE OF URBAN WATER

When water evaporates from water bodies (such as oceans, lakes, and rivers), it forms clouds. The water then returns to earth as precipitation (rain or snow). The amount of water that evaporates from the earth is roughly equal to the amount that falls back to earth, meaning the total amount of water on earth is virtually constant, meaning that drought occurs in a specific area because the world's water is not evenly distributed, but because the water is being used somewhere else on earth.

THERE'S A NEW WAY TO TAKE CARE OF WATER

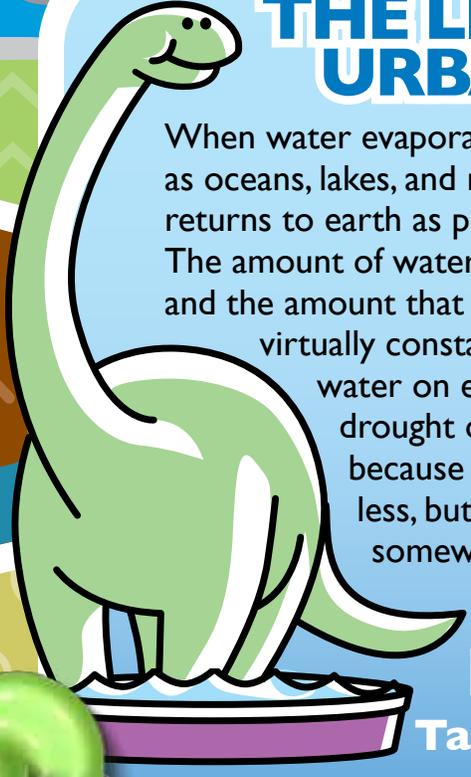
Take care of your water.

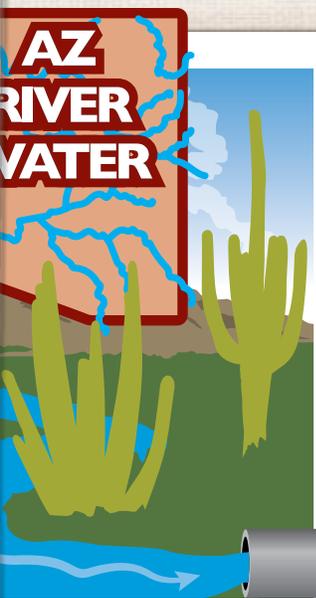
WELL WATER

Water is pumped from wells.

WASTEWATER COLLECTION

Used water is collected and transported for treatment.





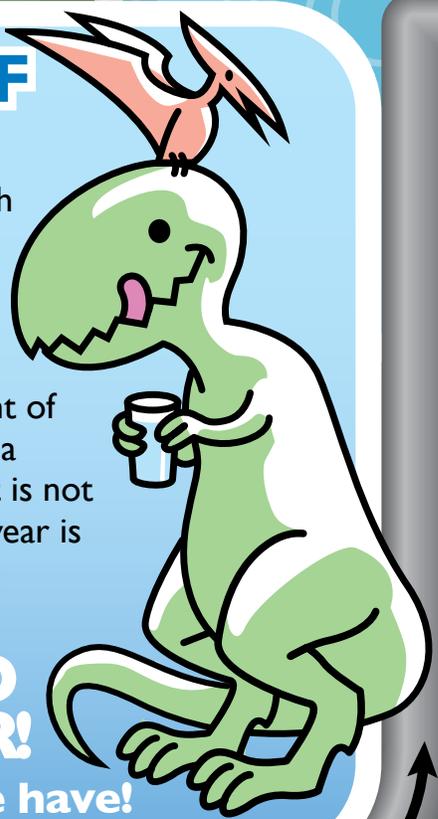
WATER TREATMENT

Surface water undergoes multiple purification steps.



CYCLE OF WATER

Water bodies (such as oceans, lakes, rivers, streams, clouds and rain or snow). The water cycle repeats each year. The amount of water on the ground does not change. So if a specific region, it is not a problem if the amount of rainfall for the year is less than the amount of water falling on earth.



THERE IS NO SHORTAGE OF WATER!

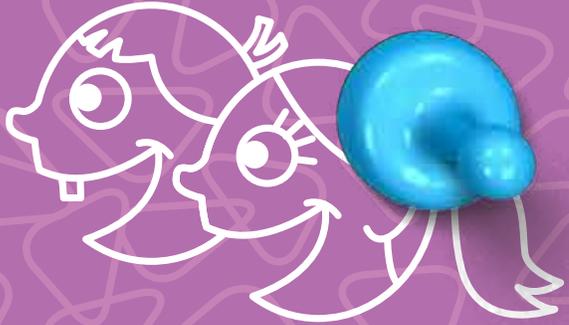
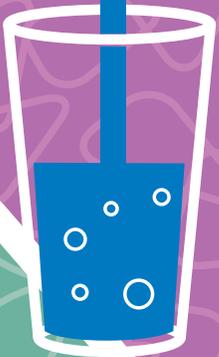
It's just a matter of what we have!

Water quality is verified as safe to drink (potable).



DRINKING WATER DISTRIBUTION

Safe water is delivered by pumps and pipes.



WATER PURIFICATION

Water is treated and purified.



Bulk Trash Program

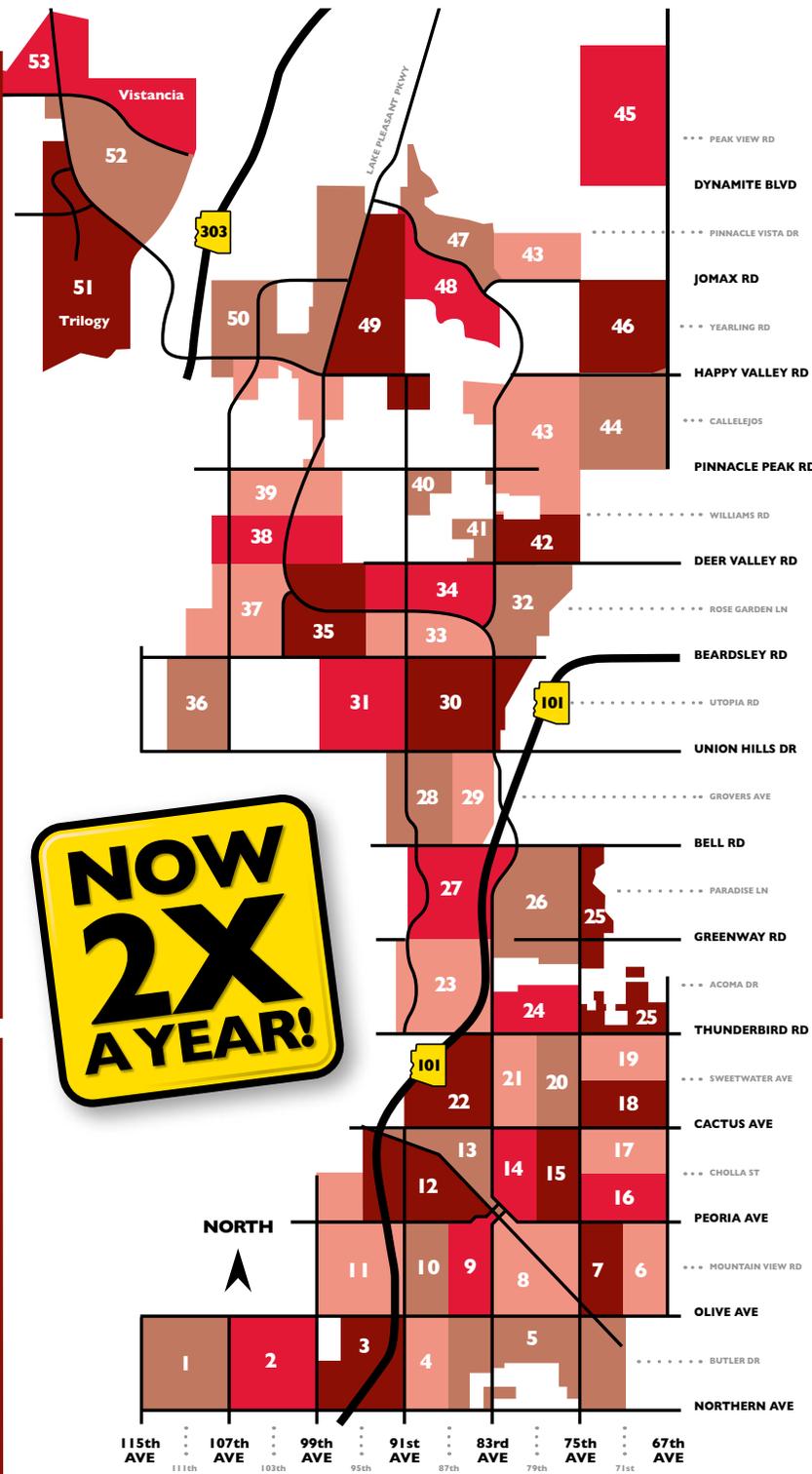
The Bulk Trash Collection Program is intended for current City of Peoria residents who receive solid waste services. To setup collection services with the City of Peoria, call **623-773-7160**.

- ACCEPTABLE**
- APPLIANCES**
Stoves, refrigerators, washers, water heaters, microwaves and dryers, televisions (please remove doors on appliances)
 - FURNITURE**
Sofas, chairs, tables, bookcases, desks, patio furniture, exercise equipment, mattresses
 - YARD WASTE**
Tree limbs, cacti (boxed), branches, bagged grass/leaves
 - WOOD**
Fences, building materials

- UNACCEPTABLE**
- HOUSEHOLD WASTE**
Motor oil, paint, cleaners, paint thinner, gasoline, batteries, medical waste, liquids
 - INERT MATERIAL**
Rocks, bricks, dirt, block, concrete, tile
 - AUTO PARTS**
Tires, auto parts
 - MISCELLANEOUS**
Roofing material, glass doors, windows, animal feces



PLACE ITEMS FOR PICKUP IN THE GUTTER.
PLEASE DO NOT BLOCK THE SIDEWALK OR MAILBOX.



DO NOT place bulk items out more than one day in advance of collection date.

Please visit peoriaaz.gov/bulktrash to determine your collection dates and program guidelines. Bulky items that exceed the maximum collection size (approx. 6' long x 4' wide x 3' tall) will incur a special haul charge of \$25 per 15 minutes of loading time. A \$50 additional charge will be incurred if a tractor is needed.

For residents who need bulk trash collection outside their normal collection dates, the City of Peoria offers Special Hauls. Please call **623-773-7431** for details and scheduling.

COLLECTION DATES		
ZONE	COLLECTION 1	COLLECTION 2
1	Jan 11	Jul 11
2	Jan 12-13	Jul 12-13
3	Jan 14-15	Jul 14-15
4	Jan 19-20	Jul 18-19
5	Jan 21-22	Jul 20-21
6	Jan 25-26	Jul 25-26
7	Jan 27-29	Jul 27-29
8	Feb 1-2	Aug 1-2
9	Feb 3-4	Aug 3-4
10	Feb 8-9	Aug 8-9
11	Feb 10-11	Aug 10-11
12	Feb 16-17	Aug 15-16
13	Feb 18-19	Aug 17-18
14	Feb 22-24	Aug 22-24
15	Feb 25-26	Aug 25-26
16	Feb 29, Mar 1-2	Aug 29-31
17	Mar 3-4	Sep 1-2
18	Mar 7-9	Sep 6-8
19	Mar 10-11	Sep 12-13
20	Mar 21-23	Sep 14-16
21	Mar 24-25	Sep 19-20
22	Mar 28-29	Sep 21-22
23	Mar 30-31	Sep 26-27
24	Apr 4-5	Sep 28-29
25	Apr 6-7	Oct 3-4
26	Apr 11-12	Oct 5-6
27	Apr 13-14	Oct 10-11
28	Apr 18-20	Oct 12-14
29	Apr 21-22	Oct 17-18
30	Apr 25	Oct 19
31	Apr 26	Oct 20
32	Apr 27-28	Oct 24-25
33	May 2-3	Oct 26-27
34	May 4-5	Oct 31-Nov 1
35	May 9-10	Nov 2-3
36	May 11-12	Nov 7-8
37	May 16-17	Nov 9-10
38	May 18-19	Nov 14-15
39	May 20	Nov 16
40	May 23	Nov 17
41	May 24	Nov 18
42	May 25	Nov 28
43	May 26	Nov 29
44	May 27	Nov 30
45	May 31, Jun 1	Dec 1-2
46	Jun 2-3	Dec 5-6
47	Jun 6	Dec 7
48	Jun 7	Dec 8
49	Jun 8-9	Dec 12-13
50	Jun 13-14	Dec 14-15
51	Jun 15-16	Dec 19-20
52	Jun 20-21	Dec 21-22
53	Jun 22	Dec 23

What can you recycle in Peoria?



PAPER (papel): newspapers, ads, magazines, phonebooks, paper bags, paperback books, envelopes, catalogs, copier paper



PLASTICS (plásticos): water and beverage bottles, milk jugs, detergent containers, food containers (yogurt, cottage cheese, sour cream, etc.), fountain drink cups, CD cases, clean disposable plates, rigid plastics (#1 through #7), NO FOAM or PLASTIC BAGS



GLASS (vidrio): green, brown, and clear glass containers and jars, but no windows or mirrors



ALUMINUM/METAL (aluminio/metal): beverage cans, pie tins, foil paper, food cans, metal clothes hangers, empty aerosol cans



CARDBOARD (cartón): shipping boxes, cereal boxes (remove inner bag), milk cartons, shoe boxes, food boxes, soda carriers



ONE recycled can
saves enough
energy for THREE
hours of TV



You can recycle a plastic item if it:

- Holds its shape when crumpled
- and/or
- Holds liquid

UNACCEPTABLE ITEMS

- Plastic bags
- Yard waste
- Styrofoam
- Food waste
- Diapers
- Clothing

Got questions?

Email us at recycling@peoriaaz.gov

FYI

if it has a plastic screw cap, you can recycle it!



Recycling Tips

- Make sure materials are **clean, empty and dry...** if it doesn't drip, it's OK to recycle.
- **Wipe away any food residue.**
- All recycling goes into the container together - **no bagging or sorting.**
- **Plastic bags are NOT accepted** in the recycling bin, except shredded paper should be in tied, clear plastic bags.
- You can **recycle** your plastic shopping bags at most grocery stores.



MARK YOUR CALENDAR FOR OUR
NEXT HOUSEHOLD HAZARDOUS
WASTE DROP-OFF EVENT!

Saturday, January 23
8 a.m. to Noon

Liberty High School
9621 W. Speckled Gecko Dr., Peoria, AZ 85383

Saturday, April 16
8 a.m. to Noon

City of Peoria Municipal Operations Center
8850 N. 79th Avenue, Peoria, AZ 85345

Saturday, October 15
8 a.m. to Noon

City of Peoria Municipal Operations Center
8850 N. 79th Avenue, Peoria, AZ 85345

PROOF OF PEORIA
RESIDENCY IS REQUIRED

Visit www.peoriaaz.gov/hazwaste or call
623-773-7160 for a list of acceptable materials.



Recycling a 4-ft
stack of paper saves
a 40-ft pine tree.



You're FINALLY done painting!

NOW what do you do with the leftover paint?

If you can clean
up with water,
it's latex paint.

Poke it with a stick
to make sure it's dry
before disposing.

Latex paint has a very low level
of toxicity. It is not necessary
to dispose of latex paint at
Household Hazardous Waste
events. Instead you can...



- KEEP PAINTING
- PAINT SOMETHING ELSE
- GIVE IT TO SOMEONE
- STORE IT FOR LATER
- BUY COMMERCIAL ABSORBENTS
- USE AN ABSORBENT LIKE KITTLY LITTER OR SAWDUST (When dry; bag, tie, and toss in the trash bin)

For more information, call 623.773.7160
or e-mail recycling@peoriaaz.gov

2016 Holiday Collection Schedule

Every now and then the collection of your waste will change due to a holiday. Refer to the holiday collection schedule below for more information on which holidays your service may change. Please note that collection schedules do not change for Columbus Day.

HOLIDAY	Regular Service Day	Holiday Service Day
Martin Luther King, Jr. Day 1/18/2016	Monday 1/18/2016	Tuesday 1/19/2016
	Tuesday 1/19/2016	Wednesday 1/20/2016
	Thursday 1/21/2016	NO CHANGE
	Friday 1/22/2016	NO CHANGE
Presidents Day 2/15/2016	Monday 2/15/2016	Tuesday 2/16/2016
	Tuesday 2/16/2016	Wednesday 2/17/2016
	Thursday 1/18/2016	NO CHANGE
	Friday 1/19/2016	NO CHANGE
Memorial Day 5/30/2016	Monday 5/30/2016	Tuesday 5/31/2016
	Tuesday 5/31/2016	Wednesday 6/1/2016
	Thursday 6/2/2016	NO CHANGE
	Friday 6/3/2016	NO CHANGE
Independence Day 7/4/2016	Monday 7/4/2016	Tuesday 7/5/2016
	Tuesday 7/5/2016	Wednesday 7/6/2016
	Thursday 7/7/2016	NO CHANGE
	Friday 7/8/2016	NO CHANGE
Labor Day 9/5/2016	Monday 9/5/2016	Tuesday 9/6/2016
	Tuesday 9/6/2016	Wednesday 9/7/2016
	Thursday 9/8/2016	NO CHANGE
	Friday 9/9/2016	NO CHANGE
Columbus Day 10/10/2016 <small>NOT A CITY HOLIDAY</small>	Monday 10/10/2016	NO CHANGE
	Tuesday 10/11/2016	NO CHANGE
	Thursday 10/13/2016	NO CHANGE
	Friday 10/14/2016	NO CHANGE
Veterans Day 11/11/2016	Monday 11/7/2016	NO CHANGE
	Tuesday 11/8/2016	NO CHANGE
	Thursday 11/10/2016	NO CHANGE
	Friday 11/11/2016	Saturday 11/12/2016
Thanksgiving Day 11/24/2016	Monday 11/21/2016	NO CHANGE
	Tuesday 11/22/2016	NO CHANGE
	Thursday 11/24/2016	Friday 11/25/2016
	Friday 11/25/2016	Saturday 11/26/2016
Christmas Day 12/25/2016	Monday 12/26/2016	Tuesday 12/27/2016
	Tuesday 12/27/2016	Wednesday 12/28/2016
	Thursday 12/29/2016	NO CHANGE
	Friday 12/30/2016	NO CHANGE
New Year's Day 1/1/2017	Monday 1/2/2017	Tuesday 1/3/2017
	Tuesday 1/3/2017	Wednesday 1/4/2017
	Thursday 1/5/2017	NO CHANGE
	Friday 1/6/2017	NO CHANGE

Important Tips:

- Always bag and tie trash (including greenwaste)
- Do NOT bag and tie RECYCLED ITEMS
- Containers should be placed out by 6 a.m. on collection day
- Always leave 4 feet of space around your containers for safe collection

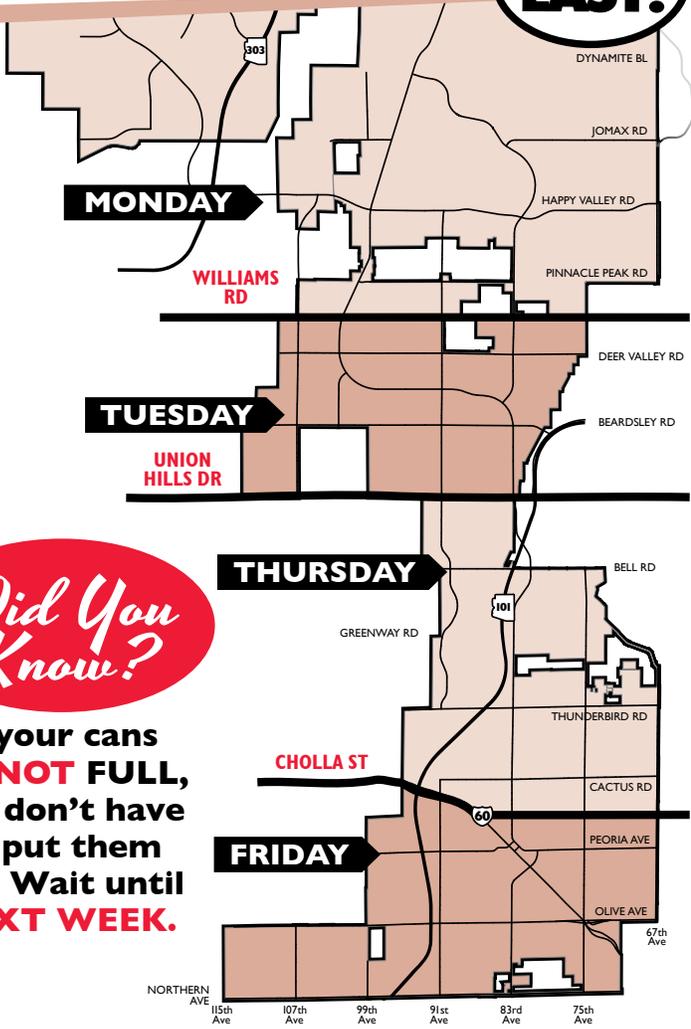
For more information, visit www.peoriaaz.gov/solidwaste

One or two,
it's up to you!



IT'S SO EASY!

Find your day!
**Same Day
Collection Schedule**



Did You Know?

If your cans are **NOT FULL**, you don't have to put them out. Wait until **NEXT WEEK.**



How to be More Sustainable!

REDUCE

Buy or use less so you throw away less trash!

- Prevent waste; buy only what you really need.
- Purchase concentrates and bulk goods.
- Borrow, loan, rent, lease, or share when possible (books, tools, etc.). Check out Peoria's Tool Lending Program (below).
- Take action to get your name deleted from mailing lists.

REUSE

Save something and use it again!

- Choose reusable rather than disposable goods (napkins, mugs, razors, sponges, etc.).
- Purchase used goods (furniture, books, music, toys, clothes, etc.).
- Sell or give away items you no longer want or need.
- Find new uses for boxes, glass jars, plastic tubs, bottles and bags.

RECYCLE

Make something used into something new!

- Recycle as much as possible through Peoria's community collection programs.
- Help "nature's recycling" by composting kitchen and yard waste.
- Recycle your Christmas tree where you purchased it.
- Remember to buy recycled! Look for products with recycled content.

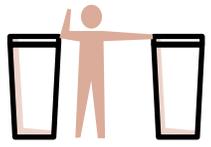
More helpful tips.....



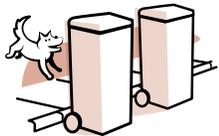
Place your cans by 6am



Close the lid!



Put cans 4 feet apart
(That's an arm & an elbow!)



Curbside placement



After pickup, get it off the street

Tool Lending Program

The **Tool Lending Center (TLC)** aims to assist homeowners, renters and neighborhood groups in undertaking landscaping projects, yard clean-ups, community rebuilding and other improvement projects. Like a library, a selection of tools or equipment can be borrowed by Peoria residents for a limited period of time at no charge.

Equipment may be checked out on Thursdays from 7:30 a.m. to 9:30 a.m. and must be returned on Mondays from 7:30 a.m. to 9:30 a.m.

Pick up and return is by appointment only. Call **623-773-7667** between the hours of 7am - 6pm, Monday through Wednesday to make an appointment.



For more information, call 623.773.7431 or visit peoriaaz.gov/solidwaste



City of Peoria
 Public Works - Utilities Department
 9875 North 85th Avenue
 Peoria, Arizona 85345

PRSR STD
 U.S. POSTAGE
PAID
 PEORIA, AZ
 PERMIT NO. 44

Enroll NOW for the FREE Classes at Peoria's



Learn about subjects like:

**Homeowners Tree Care • Color Splashes for Desert
 Landscapes • The Urban Water Cycle • Container
 Gardening • Organic Gardening • Composting • Solar 101**



**For more information or to reserve your seat,
 call 623.773.7137 or visit peoriaaz.gov/recreation**