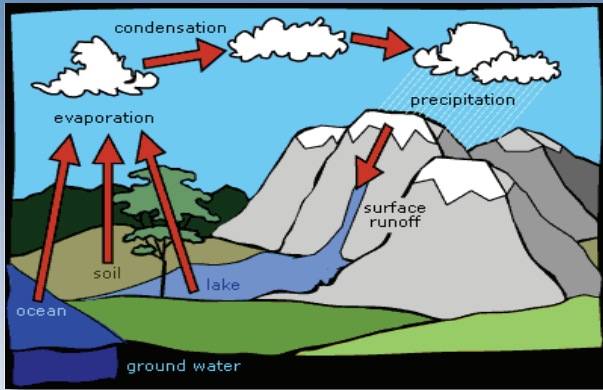


# THE WATER CYCLE

HOW WATER MOVES AROUND THE WORLD



**The Water Cycle** is the endless movement of water around the planet. The sun's heat provides energy to evaporate water. Plants also lose water to the air through transpiration. The water vapor can condense which causes precipitation. Some precipitation percolates into the groundwater while some flows into rivers and lakes. And then, the whole cycle starts over again as the water evaporates!



**Evaporation** is when the sun heats up the water in a water body and turns it into vapor. The water vapor leaves the water surface and goes into the air.



**Condensation** is when water vapor in the air gets cold and changes back into liquid, forming clouds.



**Precipitation** occurs when so much water has condensed that the clouds cannot hold it anymore and it falls to the earth as rain, hail, sleet, or snow.



**Surface runoff** is when precipitation lands on the earth's surface and runs over the soil, collecting in oceans, lakes, or rivers.



**Groundwater** is water stored below the land surface in rock formations called aquifers.



**Transpiration** is when plants lose water out of their leaves.

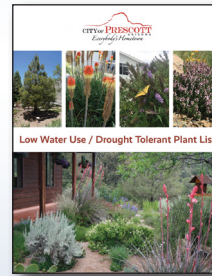


## ARE YOU WATER CYCLE SMART?

Conserving water and preventing dirty runoff are two ways you can help the natural water cycle *and* the Prescott water cycle. And it all starts in YOUR yard! It's as easy as...

# 1

Visit [www.prescottwater.com](http://www.prescottwater.com) to tour local water smart landscapes and browse native plants to get ideas for your unique water smart yard.



◀ SCAN TO VIEW!

# 2

Apply for rebates through the **Water Conservation Rebate Program** for turf replacement, drip irrigation, rainwater harvest installation, and more...

# 3

Enjoy the water and money savings from your new Water Smart yard!



FOR MORE INFO, VISIT:  
<https://prescottwater.com>

OR CALL:  
(928) 777-1130 EXT. 5012



## PRESCOTT WATER

WHERE DOES IT COME FROM?



On a global scale and in natural environments, the **Water Cycle** moves water around the planet continuously. But on a local

scale, the natural water cycle is altered by man-made systems, designed to provide water to homes and businesses, prevent flooding, store the water for later use, and many more benefits!

Just as water circulates continuously in the global water cycle, water in Prescott also



circulates continuously in the **Prescott Water Cycle**. The City's water cycle is unique and efficient, designed to maintain a sufficient water supply for our community now and into the future!

LOOK INSIDE TO FOLLOW THE CITY'S WATER CYCLE

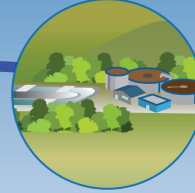


City of Prescott - Water Conservation  
We are on the web!  
<https://prescottwater.com>

# CITY OF PRESCOTT WATER CYCLE

## HOW WATER MOVES THROUGH THE CITY

**Water Use and Conservation:** The water we use in our homes is a precious resource. Practicing a low water-use lifestyle is a way everyone can help ensure a long-term, sufficient water supply. Reducing pollutants, such as debris and chemicals from our yards, will keep our water healthy.



**Stormwater Management:** Stormwater runoff enters the City's storm sewer system, which consists of gutters, ditches, storm drains, and creeks. Eventually it enters and fills the lakes.

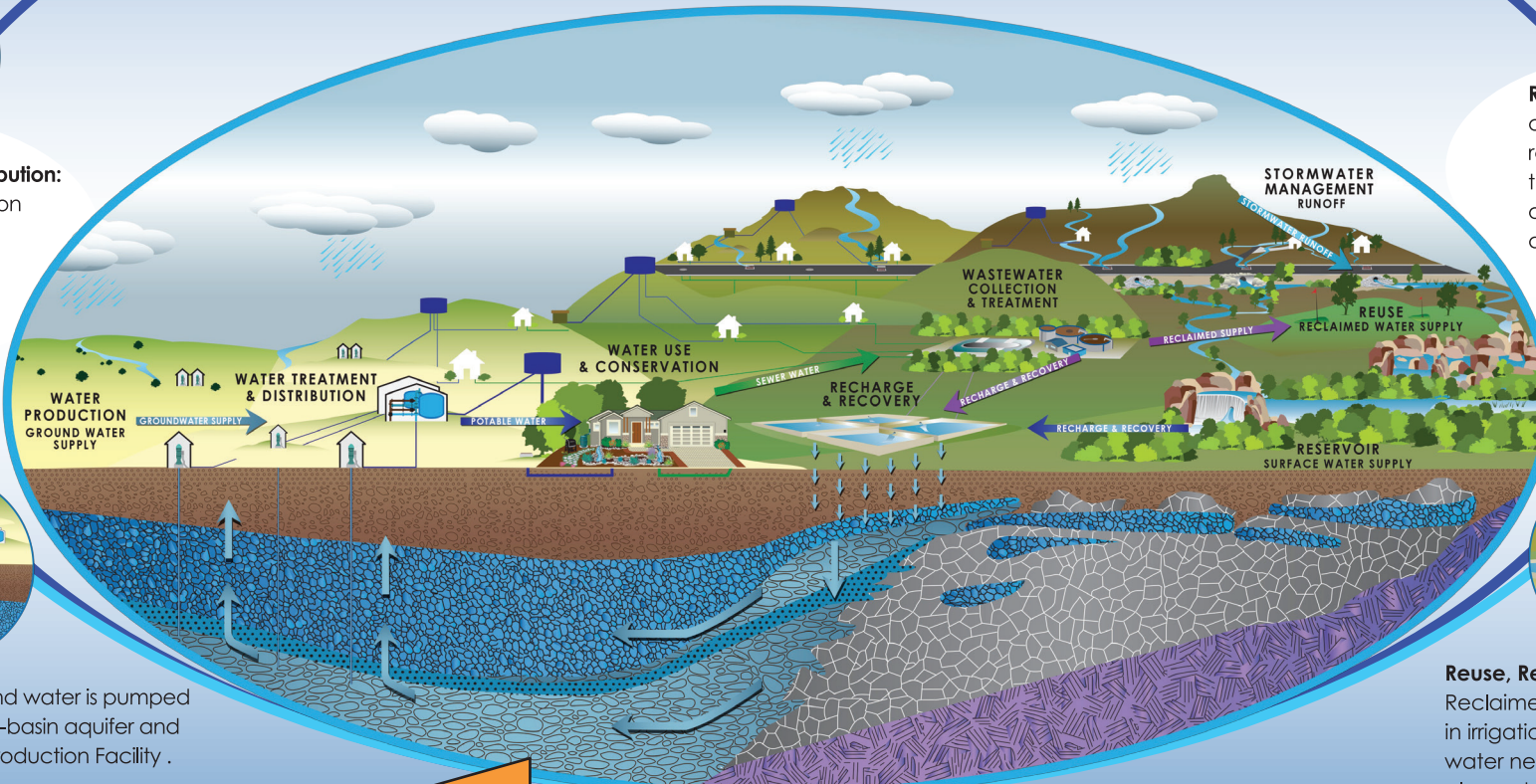
**Wastewater Collection:** Once water leaves your home it enters the sewer system and is transported to one of two City wastewater treatment plants.

**Wastewater Treatment:** Wastewater that flows to the wastewater treatment plants is reclaimed. This means it is treated to a high quality to remove solids and impurities.



**Reservoirs:** Water from our lakes is sent to a recharge facility where the water percolates into our local groundwater aquifer.

**Water Treatment & Distribution:** From the City's Production Facility, pumps convey water to Prescott via high-pressure water mains.



**Water Production:** Ground water is pumped from the Little Chino Sub-basin aquifer and delivered to the City's Production Facility.

**Reuse, Recovery, & Recharge:** Reclaimed water is used directly in irrigation and to meet industrial water needs. Reclaimed water is also recharged to our groundwater aquifer for recovery or to be "banked" for future use.

The reclaimed water will either recharge the aquifer or be recovered for use, starting the Prescott Water Cycle all over again!