

# PINERY PIPELINE



## FROM YOUR BOARD OF DIRECTORS

The Pinery Water and Wastewater District (Pinery WWD) operates one wastewater treatment plant (WWTP) that is located at the northwest intersection of Parker Road and North Pinery Parkway (next to the Pinery Vehicle Storage Facility). The WWTP is a 24/7 operation with a four person staff and a digital control system that allows operators to monitor the process from remote locations.

The wastewater (approx. 800,000 gallons each day) that currently comes into the facility is domestic sewage, inflow (that gets into the sewage system through manhole covers) and infiltration (leakage through sewage pipes). This sewage is made up of 99.9% water and 0.1% human waste. Storm water and water from the street gutters does not go into the wastewater system, but rather goes to settling ponds before it is returned to Cherry Creek.

The Pinery Wastewater Treatment Plant uses a Bardenpho with tertiary treatment using a contact clarifier/filter process to clean the wastewater before the water is released back into Cherry Creek, downstream of the Pinery wells. It takes the incoming wastewater six to seven days to be filtered and processed before it is discharged back into Cherry Creek.

At the end of the process each day, the WWTP produces, non-potable water that meets EPA standards, 200 pounds of large solids and grit that goes to the landfill and between 1400 and 1500 pounds of bio solids that are recycled as fertilizer. The Pinery WWD pays to have these bio solids hauled off to Colorado ranchers.

This treatment process was put on line in April 1991 and has been updated several times to comply with new EPA standards and to increase productivity, water treatment and capacity. From 1991-2005, the WWTP monitored only nine different water quality parameters. Currently, the facility monitors 31 water quality parameters to ensure public health and safety. The staff does an excellent job in maintaining the facility and equipment, as well as monitoring and treating the wastewater to meet EPA requirements and planning for future customer demands.

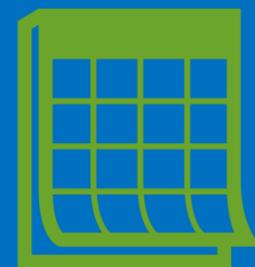
If interested, tours can be arranged by contacting Kevin Clark, Wastewater Superintendent, at [kevinc@pinerywater.com](mailto:kevinc@pinerywater.com).



Russell Hokanson, Board Member  
Pinery Water and Wastewater District Board of Directors



**Don't forget to join us at our District Office for our regularly held Board Meetings at 6:30pm on the 3<sup>rd</sup> Wednesday of each month**



**Our next Board Meeting will be held at 6:30pm on Wednesday, March 15, 2017.**

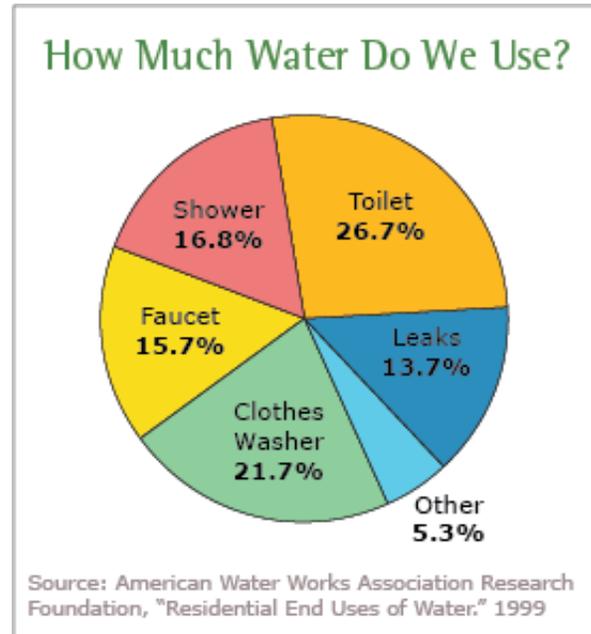
**Hope to see you there!**

## INDOOR LEAKS

Did you know that water leaks account for more than 13% of all water use in the average American home and that 10% of all American homes have leaks that waste 90 gallons of water or more per day? Did you also know that your toilet is one of the most likely places to find an indoor leak? Because water can flow through the tank silently, it's not always easy to tell if your toilet is leaking.

Here are a few simple steps you can take today to check your toilet(s) for leaks:

1. Remove the toilet tank lid
2. Drop one dye tab (available at the District office) or a few drops of food coloring into the toilet tank and place the lid back on
3. Wait 10-15 minutes and look in the toilet bowl; if you see colored water, you have a leak
4. Make sure to flush the toilet after this to avoid staining the tank



Regularly check faucets and showerheads as dripping faucets and leaking valves can also be a culprit of indoor leaks.

## RATES AND FEES STUDY



The Board of Directors recently signed a contract with Stantec, and their team of financial experts, to assist the District in updating its Comprehensive Rates and Fees Study.

One of the District's four mission statements is to be fiscally responsible to our customers. Being responsible and accountable to you, the customer, means that the District routinely (every three years) makes sure its rates/charges are adequate to maintain utility financial integrity while fair and equitable to the customers. Along with evaluating the District's current 6-tier rate structure, the Board will be investigating a "budget" based rate structure.

This type of rate structure aims to provide each customer with the amount of water they need at lower rates while excess water would be charged at higher rates. The study update will begin in March and will wrap up in early August. There are currently plans for five Board workshops during regularly scheduled monthly Board meetings that are open to the public. So please make plans to be informed about the District's rate making process.



### **Pinery Water and Wastewater District Contact Information:**

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