

PINERY PIPELINE



FROM YOUR BOARD OF DIRECTORS

We all know we're having a mild winter in our area, and so are our mountains. We are all impacted by the minimal amounts of snow we've been getting all over Colorado. Individually, we need to be smart about caring for our lawns and trees during a mild winter, while as a District, we need to be smart about planning for the summer months. The fluctuations in nature's resource make water a challenging business and there is much that our District must balance on an ongoing basis.

Typically, our Water District takes most of our water, when we can, from the Cherry Creek alluvial. This is our first course of action, as it saves quite a bit of money in pumping costs, and the resource is renewed by snow and rain. Our second choice is the Denver Basin aquifers. This is also an excellent resource for us but is much more expensive to pump because of the depth, (2,000+ feet down), and once it's used, it's gone. In addition to these two options, our District has worked more than 10 years as a partner in the WISE project. This project brings renewable water to the South and West Metro areas. We will begin folding this renewable resource into our water portfolio in 2018.

Our District has many things to consider when planning for water usage. On a shorter-term basis, we keep track of snow and rain in our area, as that will have an impact on the amount of water available to us from Cherry Creek. Each year we also plan for the peaks and valleys of water usage during the warmer days of summer. On a longer-term basis, we plan for the water needs of our overall District at "build-out". That means planning for the water needs once the District area is built to capacity. As a Governmental Special District, we are required to provide water to anyone who owns property within the District. We give our input to Douglas County in the planning phase of a development to encourage responsible development from a water-usage perspective. Ultimately, once a development is approved, we are required to provide water and sewer service to all areas within our District. You can see how this is a constantly moving target, as we don't always know how development will occur. That's one of the greatest benefits of WISE water for our District. It secures another renewable resource into our water portfolio that we can count on for years to come.

Please check the District website for a meeting schedule, we would love to see you at one of our Board of Director's meetings. Additionally, our staff members



would be happy to give tours of our facilities to our customers. Just call the office if you're interested. I hope 2018 is off to a great start for you, and as always, please call the office or any of your Directors with any questions!

Heidi Tackett, Board Member
Pinery Water & Wastewater District, Board of Directors

2018 Rates and Fees Reminder

As detailed in the November and December issues of Pinery Pipeline, the District implemented a rate increase effective January 1, 2018.

You will notice this change on your bill in February 2018 which applies to January 2018 water usage.

The water rate structure below is known as an inclining block rate structure and is commonly used to encourage conservation.

2018 Water and Sewer Rates Residential - Billed Monthly

Water

Base Rate \$29.22

# of gallons used	Cost per 1,000 gallons
0-5K	\$2.58
5K – 20K	\$3.74
20K – 30K	\$4.71
30K – 50K	\$6.13
50K – 60K	\$8.36
Over 60K	\$16.78

Water Project Fee

Flat fee to all customers - \$12.50

Sewer

Flat rate for all users - \$42.92

For additional information regarding rates and other fees, please visit our website at pinerywater.com/rates



CHANGES IN WATER DISINFECTION

The Pinery Water District will convert its water disinfection system to chloramines in March 2018. This conversion is necessitated by the District's participation in the Water, Infrastructure and Supply Efficiency (WISE) regional partnership that provides the District new renewable water sources from unused water supplies from Denver and Aurora. This project will insure a perpetual renewable water supply for our customers. Just as now, the District's chloraminated drinking water will be perfectly safe for drinking, cooking, bathing, and all other daily water uses. There are a few uses, such as for fish aquariums or in-home kidney dialysis that require the removal of any and all types of chlorine, including chloramines. Those who use water for these types of zero-chlorine-tolerance uses should review their chlorine removal treatments to ensure that those treatments are effective in removing chloramines. Anyone with concerns or any health-related questions are encouraged to contact their doctor for more information. Please visit our website for more information at www.pinerywater.com.

KNOW THE FACTS – BANISH WINTER DEHYDRATION!

Winter is officially upon us and most are living in a centrally heated environment which leads to dry skin, chapped lips, headaches and more - all caused by dehydration. Most people think that dehydration is a problem that can only occur in the summer, however, when the central heating is on in the winter, moisture can actually be drained from the body more easily and leave you dehydrated. The colder it gets outside, the more energy your body requires to maintain a 98.6 degree temperature and the more water your body needs; **so be sure to drink extra water in cold weather!**



Fun Winter Water Facts:

- * Cold weather can actually increase your risk of dehydration.
- * In cold weather, more heat is lost from our bodies meaning moisture is lost too and respiratory evaporation is increased. Humans lose an average of one pint of water a day through breathing alone and this increases significantly in the winter.
- * When it is cold enough to see your own breath, you are actually seeing water vapor that your body is losing with each exhale.
- * In general, people do not drink as much as they should during the winter as the hormone that triggers our sense of thirst reacts differently when we are exposed to cold weather.
- * In order to feel thirsty, your body has a mechanism that is a chain reaction, triggered by sweating, which leads to your body demanding more fluid by the feeling of thirst. In cold weather, our body reacts in a completely different way and people just don't feel thirsty. This is why it is very important to keep yourself "topped up" with water.
- * When wrapped up in lots of layers, it is normally more difficult to tell how much you are sweating and how dehydrated you are becoming.
- * Electric blankets are very dehydrating to the body and not recommended

Sources:

- 1). <https://www.watercoolersdirect.com>
- 2). <http://www.thewaterexpress.com/Water-Facts-And-Tips.htm>
- 3). <https://www.performancehealthcenter.com/your-risk-of-dehydration-increases-in-winter/>