

AUGUST 2018

# PINERY PIPELINE



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## *From your board of directors*

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As your newest Director of the Board, I thank you for the privilege to serve our District.

We do take our water and wastewater services for granted don't we? Rhetorically speaking, what's the value to us to have safe and tasty drinking water? What's the value to us to have sewer services out of our homes? Is this a right or a privilege? Thanks to prior planning and forethought, we have these services at a reasonable cost. As long as we "plan ahead" and maintain our infrastructure we'll continue to have these services, but at what cost? Not just a monetary cost, but the cost of time, resources, planning, and so much more. Our economic and community development, and our way of life absolutely depend upon these water services.

One of the platforms I ran on for this Board was to continue the legacy of Future Water Planning and Efficiency. Fortunately, this platform matches the current District Mission and Vision.

**Vision:** Dedicated to providing "Quality Water for Life" in our community. We will fulfil our vision through:

- Long-term Sustainability
- Innovative Solutions
- Fiscal Responsibility
- Excellent Service

I agree with the adage (spoken a long time ago), "water is more valuable than gold". So with that, "what are you willing to pay" for that lifeblood we all need? Yes, there is plenty of water on this earth for us, but at what cost? That's how the concept of "affordable/reasonable rates" comes in. We are always planning for our future needs. We have to plan, sometimes, 50-100 years out. If we have 2-3 years in a row of drought, then we should be ready for it through efficiency and planning (it's all our responsibility). Just because we pay our bill each month, that does not assure us of these resources. Our staff, future planning, fiduciary responsibility, and participation is what keeps the taps on and the discharge flowing.

As our population grows across the state and the West, we all affect each other's resources. Working together to supply our resource needs is what keeps us going. The WISE project (Water Infrastructure Supply Efficiency) is a beautiful example of prior planning and forethought. This is an interagency/district cooperative project. Another project that is planning for our future is the Walker Reservoir project. You can find more information about these projects by visiting our website at [www.pinerywater.com](http://www.pinerywater.com).

Have you read the 2018 Water Quality Report? It's actually a fun read! Pay specific attention to the conservation Tips on the back page. Also, stay tuned in by reading the Pipeline, catching the latest news and great info on the website, and let our staff and your Board if you have any comments and suggestions. I look forward to serving on this important Board. Learn more by visiting our website often!



**Jim McGannon,**  
**Board Member, Pinery Water and**  
**Wastewater District Board of Directors**

**Please 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, Sept. 19, 2018**

## Meter Operations

Have you wondered how meters operate or how meter readings are used to calculate charges? Pinery Water uses two types of meters to measure and record water consumption for residential customers. These two types of meters are called nutating meters and ultrasonic meters. Nutating meters have a disk inside a chamber. The disk moves as water flows through the chamber. The movement of the disk turns the register which records the water consumption. Ultrasonic meters use an ultrasonic signal to measure the flow of water through the meter. The meter sends a signal through the water and measures the length of time the signal takes to reach the opposite end of the meter. The length of time is called transit time, and it is used to measure the flow of water.

Badger Meter makes the meters used by Pinery Water. To see video animations of how both meter types work, visit the website for Badger Meter:

Nutating meter operation:

[badgermeter.com/business-lines/utility/recordall-disc-series-meters/](http://badgermeter.com/business-lines/utility/recordall-disc-series-meters/)

Ultrasonic meter operation:

[badgermeter.com/technologies/ultrasonic-flow-meters/e-series-ultrasonic-meters/](http://badgermeter.com/technologies/ultrasonic-flow-meters/e-series-ultrasonic-meters/)



**Nutating meter interior**  
Courtesy of Badger Meter  
Milwaukee, WI



**Meter installed in Pinery Water District**  
photo by David Schmitt

Nutating meters, the most prevalent kind of meter in Pinery Water District, are mechanical devices with moving parts. Over time, the moving parts of the meter can experience wear, and a worn meter reads less water usage than what is actually used. Ultrasonic meters do not rely on moving parts the way that nutating meters do so they are less prone to mechanical wear.

The meters are used to record monthly water consumption. The last day of each month, Pinery Water collects the readings from all meters in the District to calculate your bill. Billed amounts are always in units of 1,000 gallons and when bills are calculated, monthly usage is rounded down to the nearest 1,000 gallons. The unbilled usage is added to the following month. By rounding down instead of rounding up, Pinery Water avoids charging for water you have not used.

For questions about meters and billing, you can visit the Pinery Water website, call, e-mail, or visit our office!

## Pinery Water and Wastewater District Contact Information:

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[information@pinerywater.com](mailto:information@pinerywater.com)

For after-hours emergencies,  
(303) 841-2797 EXT 299