

AUGUST 2023

PINERY PIPELINE



From your Board of Directors

GOLD IN OUR BASIN

I want to start this article by thanking the volunteers of the ad hoc Water Efficiency Task Force. We recently toured the construction site of our new Walker Reservoir. This is a big deal for our District and it reinforces what Director Lisa Neal-Graves spoke about in last month's article on "water resiliency". Whether we have great water resources or not, we must partner with other water providers to build projects like this. Our partners in the construction of this water supply reservoir are Castle Rock Water, Cottonwood Water and Sanitation District, and Inverness Water and Sanitation District. Construction is scheduled for completion at the end of this year.

Water Resiliency means that we must have a diverse package of delivery options for a safe, reliable and continuous water supply, whether times are lean or not. Taking directly from the Water Education Colorado's Citizen Guide "**Where Your Water Comes From**", it states "*whether it [your water supply] relies on reuse, the diversion of surface water, or a simple groundwater well, every water system is somewhat vulnerable to natural and man-made disasters like wildfires, droughts, floods, and chemical contamination. That is why it is vital for municipal water providers to have backup water supplies.*" Our diverse "source of supply" comes from other water providers as well as our many shallow and deep wells throughout our District.

Interestingly, we've had enough moisture across our state that the U.S. Drought Monitor map (shown at right) is now blank of any color, meaning no parts of our state are experiencing drought conditions right now. Water experts believe that we would need many more years of this type of moisture to keep our reservoirs full in the West. Since we do not have the luxury of knowing when that will be, we need to be prepared by diversifying our resources and building Walker Reservoir to capture water in times of plenty. A good warning for us is how the Durango, Colorado community is now fast-tracking a pipeline project from Lake Nighthorse to add water supply storage to its portfolio. They are no longer able to reliably supply water by surface diversions alone.¹ Pinery Water has some of the most senior water rights in our basin (Cherry Creek) and building upon that with our water partners will provide "*Water Resiliency*" for us all.

I encourage all our customers to read and understand Water Education Colorado's **Citizen Guide, Where Your Water Comes From** to continue to be avid stewards of our "Gold Resource". You can read any of the guides for free online at the following site: <https://www.watereducationcolorado.org/publications-and-radio/citizen-guides/>

If you have any questions or comments of our staff or our Board, please contact us at the office (303-841-2797), or through the website



<https://pinerywater.com/>.

Jim McGannon
Director,
Pinery Water and Wastewater District

Please join us at our District Office for our monthly held Board Meetings at 6:00pm on the 3rd Thursday of each month.

Upcoming Board Meetings will be held at 6:00pm on Thursday, Aug 17, 2023 Thursday, Sept. 21, 2023

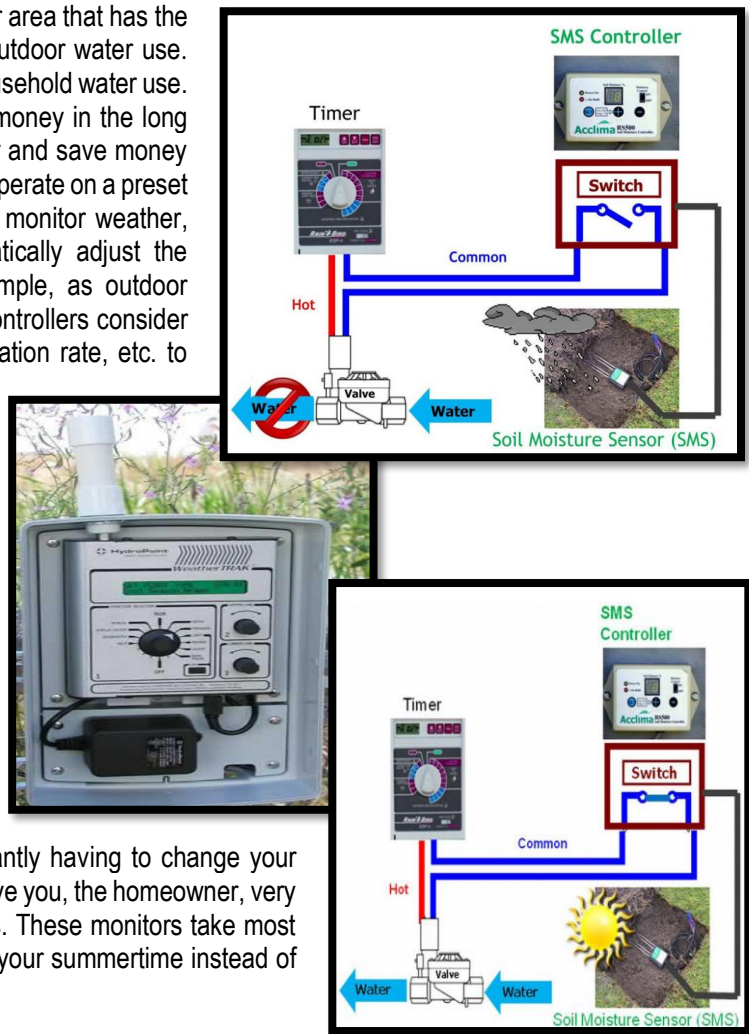
¹Headwaters magazine, Water Education Colorado, Summer, 2023, https://issuu.com/cfwe/docs/hw_summer_2023

MOISTURE SENSOR FOR IRRIGATION SYSTEMS

Water conservation is an on-going effort in our state. One major area that has the most potential for reducing water consumption is residential outdoor water use. Outdoor watering accounts for about half of typical Colorado household water use. Most of the time, that water is wasted and costing you more money in the long run. The most innovative approach to help you conserve water and save money is moisture sensors. Unlike traditional irrigation controllers that operate on a preset programmed schedule and timers, smart irrigation controllers monitor weather, soil conditions, evaporation and plant water use to automatically adjust the watering schedule to actual conditions of the site. For example, as outdoor temperatures increase or rainfall decreases, smart irrigation controllers consider on site-specific variables, such as soil type, sprinklers' application rate, etc. to adjust the watering run times or schedules. There are two types of controllers that can be installed on old and new irrigation systems: weather-based and on-site soil moisture sensors.

"Weather-based controllers use local weather data to adjust irrigation schedules. These controllers gather local weather information and make irrigation run-time adjustments, so the landscape receives the appropriate amount of water. Weather-based sensors use four weather parameters: temperature, wind, solar radiation, and humidity. It's the most accurate way to calculate landscape water needs" (<https://www.hydropoint.com/what-is-smart-irrigation/>).

Irrigation systems are difficult to manage, and you are constantly having to change your schedules and times. The use of soil moisture monitoring can give you, the homeowner, very useful and cost-effective information in your irrigation practices. These monitors take most of the work away from you so that you can sit back and enjoy your summertime instead of playing around with an irrigation control constantly.



SUMMER WATERING

The Watering Schedule for 2023 is shown to the right. The District requests that customers voluntarily adhere to this schedule, which includes never watering on Fridays. Remember to use only what you need and frequently check the District website to view the current drought stage. Per the District's Drought Response Plan (which can be accessed at PineryWater.com), certain drought stages may trigger mandatory watering schedules and/or other restrictions.

2023 WATERING SCHEDULE

PINERY RESIDENTIAL & COMMERCIAL CUSTOMERS

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
EVEN Numbered Addresses	ODD Numbered Addresses	EVEN Numbered Addresses	ODD Numbered Addresses	EVEN Numbered Addresses	NO WATERING	ODD Numbered Addresses

No Watering between 10am & 6pm
Hand Watering Allowed Anytime



Customer Service: 303.841.2797

Pinery Water and Wastewater District Contact Information:

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For after-hours emergencies,
(303) 841-2797 EXT 9