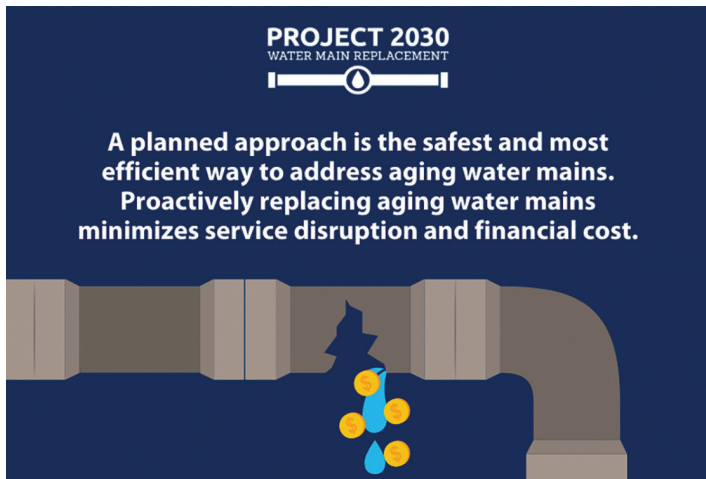


waterline

In This Issue

- **Infrastructure Matters:** Protecting Your Water Future
- **Free WaterSmart Classes**
- **Water Efficiency Resources**
- **CHWD in the Community:** Poster Contest



Infrastructure Matters: Protecting Your Water Future

Citrus Heights Water District (CHWD) operates and maintains over 250 miles of pipeline that distribute safe, clean, and reliable water throughout the District's 12.8-square-mile service area.

As water mains age, they become more prone to failure, which can lead to potential service disruptions and property damage. Project 2030 plans to replace more than 70% of CHWD's water mains by 2080.

You may have noticed a "Water Main Replacement Dedicated Charge" on your bill. This charge goes towards funding Project 2030, a proactive and planned approach that is the most efficient way to address aging water mains.

CHWD is conducting a water main condition assessment through field inspections of the District's transmission (large diameter) water mains.

To learn more about Project 2030, **scan the QR code or visit chwd.org/project-2030**.



Groundwater Wells



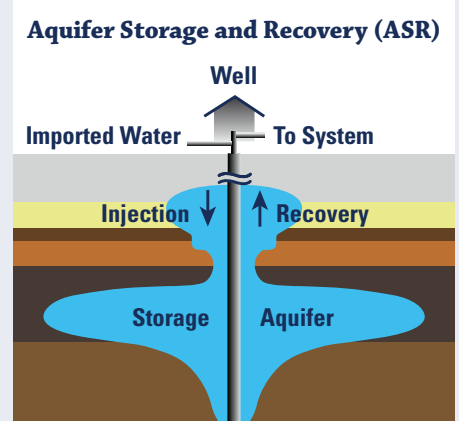
CHWD's main water source is surface water from Folsom Lake, and the District currently operates six groundwater wells to supplement the surface water supply. By expanding our groundwater program, we reduce reliance on surface water from Folsom Lake to ensure a consistent water supply for our customers.

Working with our federal and regional partners, the District has secured \$1.6 million in grant and federal budget funding for a new high-capacity groundwater well capable of delivering 1,000 gallons of drinking water per minute. The District's new well project was awarded \$1.1 million in Integrated Regional Water Management Grant funds through the California Department of Water Resources for construction. In March 2022, CHWD was awarded a \$585,000 grant as part of a 2022 omnibus funding package approved by the Federal Government. There are very few opportunities for non-ratepayer funding, and CHWD

continues to be aggressive in identifying and applying for grants and other non-ratepayer funding opportunities.

The new well will be the first CHWD well equipped with Aquifer Storage and Recovery (ASR) technology that allows surface water to be injected into the ground and stored during times of surplus supply, and later extracted in dry periods or to meet peak demand.

This new well will increase water supply reliability within our service area and provide long-term price stability for our customers. **Learn more at chwd.org/our-water**.



FREE WaterSmart Classes

CHWD is committed to helping you learn how to use water efficiently. We offer free WaterSmart classes in person and on Zoom with tips on basic gardening, soil management, capturing rainwater, and more. Scan the QR code to watch past WaterSmart class videos on our YouTube Channel. Here are some highlights from recent WaterSmart classes.

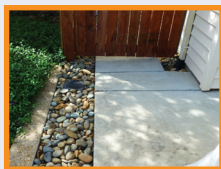


Capturing That Rain for Your Landscape by Cheryl Buckwalter

4 steps to capturing rain for your landscape

Step 1: Slow it

Direct rainwater through downspouts, creek beds, and terraces toward landscaped areas.

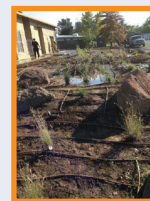


Step 2: Spread it

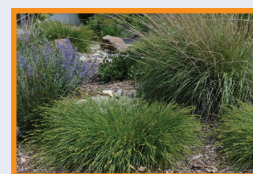
Spread rainwater across your landscape through berms and basins, swales, and contours.

- Berms or low mounds are created using soil from shallow depressions, also called basins, swales, contours, and rain gardens.
- These soil-shaping strategies allow surface water to spread and stay in your landscape where it is absorbed and filtered instead of running off into storm drains and waterways.

Tip: Call before you dig!

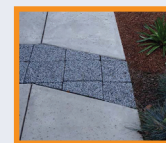


Results: Before: A 4,888 sq ft lawn used over 125,000 gallons of water per year; **After:** A mature landscape that uses less than 33,200 gallons of water per year.



Step 3: Sink it

Reduce expansive sections of hardscape such as connected concrete driveways and sidewalks. Use materials like pavers and porous concrete and increase planting areas to allow rainwater to soak into the soil.



Step 4: Store it

Use rain barrels or cisterns to store water. Check your nearest home improvement stores for rain barrels.



Sprinkler Tune-Up Time by Jessie Parker

Did you know?



Broken sprinkler heads can lose around 20 gallons of water per minute. If the sprinkler zone runs for 15 minutes, you could lose over 2,400 gallons per month for one broken sprinkler head.

Some of the most common leaks are found in valves, valve rubber failure, and from your sprinkler heads.

Check the last sprinkler head of the line. As the water gets pushed down, a bad diaphragm on your valve can

cause leaks. For a drip system, go to the lowest spot and check for moisture, moss, or any indication of water. The easiest way is to walk your yard because the soil will tell you if you have a leak.

Lastly, know your controller and keep the system consistent. Check it regularly and adjust at least once a month to be the most water efficient.

Free Smart Irrigation Controller Installation Program

If you have a standard sprinkler timer, you may be eligible to have a smart irrigation controller installed at no charge! **Visit chwd.org/rebates** for more details.



Turning Dirt into Gold: How to Build Healthy Soil

by Kit Veerkamp

What makes a good soil structure?

- Granular and crumbly like cookie crumbs
- Resists erosion
- Resists drying
- High nutrient retention

The goal is to achieve soil color that resembles 70% chocolate or dark coffee.



Building healthy soil begins by understanding what is going on in the soil. Then, find ways to manage the soil in an ecological way and let the soil organisms do the work for you.

Activities of these organisms will affect your soil. This is where the soil food web comes into play. A healthy soil food web eliminates or reduces the need for fertilizers, pesticides, herbicides, and fungicides. It improves water and air holding capacity and produces healthier plants.

Seven ways to build and maintain a soil food web:

1. Compost
2. Animal manures
3. Green manures
4. Cover crops
5. Organic mulch
6. Compost tea
7. Mineral nutrients e.g., rock powders and biochar

Soil Food Web Calendar

Spring

Get your compost piles cooking and apply compost to landscape and garden area. Refresh your mulch.

Summer

Replenish mulch as necessary.

Fall

Gather and store leaves. Apply organic microbial food.

Winter

Rest and read up on your favorite garden articles and books.

Upcoming WaterSmart Classes

Don't miss out on the last two classes of the year! **Scan the QR code or visit chwd.org/community/#classes** for past classes and stay informed about upcoming ones.



Saturday, September 10 | 10:00 a.m. - 11:00 a.m.
Sylvan Ranch Community Garden

So, You Planted a Garden, Now What?

By Jessy Parker

Saturday, September 17 | 10:00 a.m. - 11:00 a.m.
Sylvan Ranch Community Garden

Fall for Native Plants: Incorporating the Region's Flora into Your Garden

By Chris Lewis

Water Efficiency Resources

The District offers a variety of rebates and programs to help customers use water efficiently.

TWO-TIERED CLOTHES WASHER REBATE



NEW!

Two-Tiered High-Efficiency (HE) Clothes Washer Rebate Program

The District now offers a \$50 rebate for an Energy Star washer and a \$75 rebate for a washer on the EPA's "Most Efficient" list. Find out if you qualify! **Scan the QR code or visit chwd.org/rebates.**



IN THIS ISSUE

Infrastructure Matters: Protecting Your Water Future

Free WaterSmart Classes

Water Efficiency Resources

CHWD in the Community: Poster Contest

CITRUS HEIGHTS WATER DISTRICT

CHWD in the Community: Poster Contest

The District, in coordination with three neighboring water agencies, conducts an annual poster contest for students in grades 4-6 to highlight water efficiency. The theme for the 2021-2022 Poster Contest was "Water Efficiency is a Way of Life," and the District received 153 posters from four elementary schools. The posters were evaluated based on the use of the theme, originality, artwork, neatness, and spelling.

CHWD is proud to announce the top three entries from our District. Winners took home awards and were recognized at the May CHWD Board of Directors meeting, and their teachers received \$100 for their classrooms.

To watch the video featuring the winners and their posters, **scan the QR code or visit** chwd.org/community/.



Winners

1st Place: Antoinette Vela, 6th Grade
Woodside Elementary School
Teacher: Mrs. Slayton

Runner-Up: Chloe Vick, 6th Grade
Woodside Elementary School
Teacher: Mrs. Slayton

Runner-Up: Mia Kolosov, 5th Grade
Trajan Elementary School
Teacher: Ms. Weston



Antoinette Vela

Follow and like our social media to stay informed of CHWD developments, services, and community engagement opportunities. You can also sign up for CHWD emails on our website to ensure that this important information lands in your inbox and is never missed. Visit chwd.org/#email-list.



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