



waterline

Happy New Year from the Citrus Heights Water District (CHWD) Team! In 2022, the District will continue to balance meeting today's need for safe and reliable water with long term investments to ensure reliability and price stability of our water supply.

Also during 2022, CHWD will continue to focus on efficient operations and maintenance, infrastructure repairs, and replacements and upgrades; provide value-added water efficiency services; and advocate on our customers' behalf with regional, state, and federal interests.

Did You Know?

Citrus Heights Water District is an independent water service provider, separate from the City of Citrus Heights. Formed in 1920, the District is fully funded by customers, for customers. CHWD purchases water from its wholesale water provider, San Juan Water District and supplements San Juan's water with groundwater provided by a network of six high-capacity groundwater wells.

Protecting Your Water Future: The CHWD Infrastructure Strategy

CHWD's largest expense at approximately 37% of the District's total budget is reinvested back into the water system through CHWD's Capital Improvement Program (CIP). The CIP helps CHWD maintain its infrastructure, increases needed capacity, and allows for the delivery of water today while focusing on long term water needs.

PROJECT 2030 WATER MAIN REPLACEMENT



The District's service area was urbanized mostly between 1960-1985 as shown in the graph below.

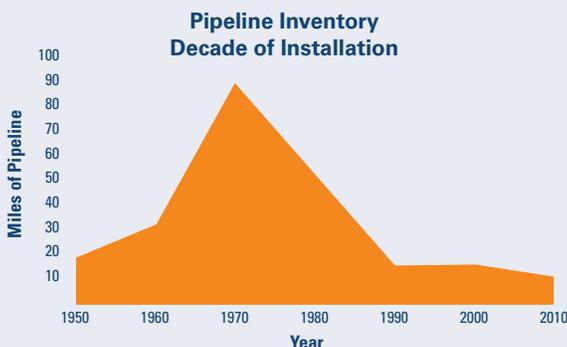
Today, CHWD operates and maintains over 250 miles of pipeline that distribute water throughout the District's 12.8-square-mile service area. The lifespan of a water main is approximately 70 years, so these water mains will have to get replaced starting in 2030 to ensure long term water supply reliability.

Just because water mains are underground does not make them any less important. Reliable water mains deliver water to our residences and businesses. Failed water mains can lead to service disruptions and water loss.



Project 2030 plans to replace more than 70% of CHWD's water mains by 2080. Replacing water mains before they reach critical condition is the safest and most cost-efficient way to address aging infrastructure.

You may notice a "Water Main Replacement Charge" on your 2022 bill. The Project 2030 funding plan balances pre-funding in the years leading up to 2030, pay-as-you-go, and some debt financing. This funding plan ensures intergenerational equity, which allows the responsibility of funding Project 2030 to be equitably distributed across current and future customers. **Scan the QR code or visit chwd.org/project-2030 for more information.**



Community Leadership

In the spirit of stewardship, CHWD formed a Customer Advisory Committee (CAC) to address the District's needs and to solicit input from our customers. The CAC members evaluated funding options for Project 2030. Learn more about the CAC in this video: bit.ly/CHWDCAC.



Protecting Your Water Future: The CHWD Infrastructure Strategy



Project 2030 Frequently Asked Questions with Missy Pieri | Director of Engineering, CHWD

Q: What is the next step for Project 2030? A: A detailed water main condition assessment is the next step for Project 2030. In-field inspection of the District's transmission (large diameter) water mains will be conducted to verify the findings of the Project 2030 Study. This process will help us prioritize water main replacement.

Q: What does the water main condition assessment look like? A: We are taking a phased approach to the water main condition assessment. The first step was the Project 2030 Study, which was a high-level risk analysis of the water mains. CHWD is using information from the Project 2030 Study to narrow down which water mains should be further assessed. Field inspection of the water mains, both outside and inside of the pipe, will be conducted starting in 2022. Various inspection techniques will be used based on the pipe type. The phasing of the water main replacement will be refined based on the results of the testing.

Q: Can't we just wait until something fails and then fix it? A: As water mains age, they become more prone to failure. A single failure can lead to a cascade of issues including service disruptions and potential property damage. The least expensive and most efficient way to address this is through a proactive, planned approach.



Groundwater Wells

Periods of droughts are a reality in California, and Groundwater wells help us manage water supply during a drought. By expanding our groundwater program, we strengthen our water supply and reduce reliance on surface water from Folsom Lake. Working with our federal and regional partners, the District has secured up to \$1.6 million in grant funding for a new high-capacity groundwater well capable of pumping 1,000 gallons of drinking water per minute.



The well will be equipped with Aquifer Storage and Recovery (ASR) technology to allow surface water to be injected into the groundwater aquifer for storage and recovered for future use. This allows us to practice conjunctive use - using more groundwater in drier years to save surface water, and in wet years, using more surface water to allow the groundwater aquifer to recharge over time.

Over the next decade, CHWD plans to construct at least two new groundwater wells to help achieve our goal of long-term water reliability and rate stability. Learn more at chwd.org/our-water.



METER REPLACEMENT PROGRAM

ACCURACY + EFFICIENCY + TECHNOLOGY

The District became fully metered in December 2006 and began metered billing in January 2008 as a result of Federal and State mandates. These meters will soon approach the end of their lifespans.

The District led the way to form a water meter asset management consortium with 11 other local water agencies to explore ways to work together to determine the most cost-effective way to replace aging water meters. This Water Meter Replacement planning effort includes a review of existing meter inventories, an assessment of new meter technologies, joint purchasing analyses, meter testing options, and financial management strategies.

The District will continue to provide updates regarding the implementation of the Water Meter Replacement Program. **Scan the QR code or visit chwd.org/water-projects/#meter-replacement to learn more.**



CHWD In the Community

For over 100 years, CHWD has focused on serving the community with water and in other ways. We are proud to maintain a people-first, customer-first philosophy and believe that our community involvement and engagement contribute to a stronger community.

CHWD is an active member of the Rotary Club of Citrus Heights. Rotary Clubs across the globe are dedicated to causes that build international relationships, improve lives, and create a better world. The local club delivers dictionaries to area schools annually. CHWD staff members were honored to be a part of this community program and delivered boxes of dictionaries to third graders at Mariposa Avenue Elementary School and Skycrest Elementary School.



The Howl 'O' Ween Parade and Harvest Festival is an event that we look forward to each year at CHWD. This event is a wonderful tradition for the community and a great opportunity for CHWD to spend valuable time with the community and to promote our services to our customers on a fun-filled day!



Event Calendar

CHWD is committed to helping you learn to reduce your home and landscape water usage and lower your costs through our FREE WaterSmart classes. Our website and YouTube channel hold a library of resources with tips for all seasons from basic gardening tips and soil management to selecting the perfect plants for your home. **Scan the QR code or visit chwd.org/community/#classes for past classes and stay informed about upcoming ones.**



WaterSmart Class Schedule 2022

DATE	WATERSMART CLASS SCHEDULE 2022
Thursday, February 3 12 noon – 1:00 p.m.	(Webinar) Capturing That Rain for Your Landscape <i>By Cheryl Buckwalter</i>
Saturday, March 5 10:00 a.m. - 11:00 a.m.	(In-Person) Sprinkler Tuneup Time <i>By Jessy Parker</i>
Thursday, April 7 12 noon – 1:00 p.m.	(Webinar) Turning Dirt into Gold: How to Build Healthy Soil <i>By Kit Veerkamp</i>
Saturday, September 10 10:00 a.m. - 11:00 a.m.	(In-Person) So You Planted a Garden, Now What? <i>By Jessy Parker</i>
Saturday, September 17 10:00 a.m. - 11:00 a.m.	(In-Person) Fall for Native Plants: How to Plant and Cook with the Region's Flora <i>By Chris Lewis</i>

Water Efficiency Resources

Rebate Program

The District provides rebates for pressure reduction devices and high-efficiency toilets and clothes washers. For more information and additional rebate terms and conditions, visit chwd.org/rebates.

FREE Smart Irrigation Controller Program

CHWD is proud to partner with WaterWise Consulting and Hydro-Rain to provide complimentary B-Hyve smart irrigation controllers to our customers. Customers with a standard sprinkler timer are eligible to have one smart irrigation controller installed at no charge.





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Capital Improvement Projects

CHWD continues to be hard at work maintaining and replacing an average of 250 service lines each year to ensure reliable delivery of clean and safe water to you. In addition, the following water main projects were completed last year.

WATER MAIN PROJECTS COMPLETED IN 2021

- Walnut Drive Water Main Replacement - Design
- Wells Avenue Water Main Installation - Construction
- Wisconsin Drive Water Main Replacement - Construction
- Langley Avenue & Chance Drive Water Main Installation - Construction
- Fair Oaks Boulevard Water Main Installation - Construction
- Antelope - Rusch Park Water Main - Construction
- Skycrest School Water Main - Construction
- Pratt Avenue Water Transmission Main - Design

CITRUS HEIGHTS WATER DISTRICT

CHWD Community Garden

Did you know that CHWD's volunteer Garden Corps maintains plots at the Sylvan Ranch Community Garden through a community partnership? The District uses its plots to showcase water-efficient garden practices and drought-tolerant plants by presenting WaterSmart classes to the community (see WaterSmart Class Schedule 2022) and the plots are available for a tour by appointment. Learn how you can sign up to become a stakeholder in the garden, which will provide opportunity to receive special training in water-efficient gardening practices and to work as a team with fellow customers. Additional benefits for Garden Corps members will be introduced in the coming year, too! Learn more at chwd.org/community/#community-garden.



Video Gallery

A lot goes into ensuring that our customers have a safe, clean, and reliable water supply. Our Video Gallery provides gardening and water efficiency tips; past WaterSmart webinars; and behind-the-scenes segments of CHWD's operations, community, and customer service outreach. **Scan the QR code or visit chwd.org/video-gallery.**



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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