



the PIPELINE

Palmdale Water District

FALL 2022 | VOLUME 8 ISSUE 3



Taking First Steps to Make Pure Water AV a Reality

Plans by Palmdale Water District (PWD) to boost regional water supply by treating recycled water through an advance treatment program are moving forward with the development of a demonstration facility on District grounds.

In early 2023, construction is expected to begin on an advanced water treatment demonstration facility on the most easterly portion of PWD's property at Avenue Q and 20th Street East. The 5,500-square-foot facility will house equipment for treating recycled water, a water tasting area and a community room.

The \$14 million demonstration facility is required by the state before a full-scale project, estimated to cost \$75 million to \$100 million, can be built by PWD. The project, formerly known as the Palmdale Regional Water Augmentation Program, is now named Pure Water Antelope Valley, or Pure Water AV. It aims to give PWD an additional 5,325 acre-feet of water per year via the use of tertiary water, commonly known as recycled water.

PWD must prove to the state that the technology being used meets all requirements for removing contaminants from the tertiary water before the full-scale Pure Water AV can be built. In California, there are currently 11 facilities operating like the proposed Pure Water AV



An artist's rendering shows the front view of the Pure Water AV demonstration facility. Image courtesy of Stantec

"We are very excited to be embarking on a project that will secure our water supply," said Engineering Manager Scott Rogers. "Pure Water AV is critical to the future of Palmdale and our Antelope Valley neighbors because it will be our long-term water solution. We will be more drought proof, have local control of our water, and improve our groundwater quality and quantity. There will be less reliance on supply from the State Water Project."

The demonstration facility's treatment room will have a miniature version of the advanced treatment plant. It will run tertiary water through micro-filtration filters, reverse osmosis filters and ultraviolet light with advanced oxidation. The treatment would remove 99.99% of bacteria, viruses and ions (like salt). The tertiary water will be piped about 3,300 feet from the existing purple pipe at Avenue Q and 30th Street East. Water from

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CALENDAR

Board Meetings

Mondays @ 6 p.m.
Via Teleconference
Info available on Board Agenda
Sept. 12 & 26
Oct. 10 & 24
Nov. 14 & 28

EVENT

**Water-Wise Workshop:
Healthy Trees and Plants
in the Winter**
Wednesday, Nov. 9
@ 5 p.m.
PWD Board Room

PWD CLOSURES

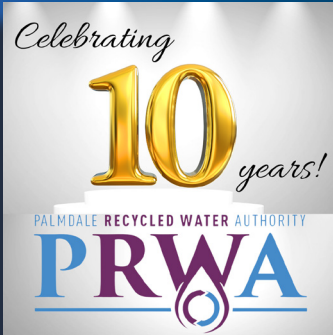
Labor Day
Monday, Sept. 5
Thanksgiving
Thursday, Nov. 24

Attention: This publication is available in Spanish on our website at www.palmdalewater.org.
Atencion: Esta publicacion esta disponible en espanol en nuestro sitio web en www.palmdalewater.org.

PRWA Celebrates 10-Year Anniversary

A decade ago this month, Palmdale Water District and the city of Palmdale formed the Palmdale Recycled Water Authority (PRWA) to study, promote, develop, distribute, install, finance, use, and manage recycled water from the Sanitation Districts of Los Angeles County Nos. 14 and 20 for various uses. The collaboration resulted in providing recycled water for construction and irrigation.

Today, McAdam Park uses recycled water for its irrigation, saving potable water.



Pure Water AV *(Continued from page 1)*

the purple pipe, which distinguishes recycled water from potable water, is supplied by the Sanitation Districts of Los Angeles County No. 20 Water Reclamation Plant in Palmdale.

Once the demonstration facility is completed in early 2024, the equipment will operate 24 hours, seven days a week for water samplings and data collection. PWD will offer tours of the site and water tasting to the public, including student groups, customers and community members.

Currently, PWD is entitled to pump about 8,000 acre-feet of groundwater and any unused rights from prior years based on the Antelope Valley Groundwater Adjudication. The additional 5,324 acre-feet of water that could result from Pure Water AV would give PWD customers an extra 852 million gallons of water, or enough for about 4,500 families of four annually, or 25% of the current water demand from our existing customers.

“If we had Pure Water AV operating today, we probably would not need as stringent mandated water restrictions,” Rogers said. “We would have sufficient water supply despite a 5% allocation from the State Water Project. We are hoping other agencies in the AV will collaborate and join us in this very important project that will allow our community to grow and flourish.”

PWD WATER CONSERVATION CLASS NOW AVAILABLE



Did you receive a door tag indicating a fine for water waste? In lieu of the \$50 fine, you can take the PWD Water Conservation Class online. The class will cover topics including water-saving tips, rebates and programs available to customers. A passing grade of 70% or better will allow you to have the fine removed.



Sign up by visiting <https://bit.ly/WaterConservationClass> or scan the QR code.

For more information, call the Water-Use Efficiency team at 661-947-4111 ext. 5002.

Water-Wise Workshop: Composting Event Winners

Congrats to the winners at our Water-Wise Workshop: Composting event on Aug. 2! PWD teamed up with L.A. County Public Works and the city of Palmdale to help the community learn about composting. Winners received PWD “Luv Our H2O” buckets filled with water-saving tools. One lucky person won a composting kit!



“Saving Our Water” Lawn Signs Highlight Conservation Efforts Throughout Community

If you spot one of these signs, it means water is being conserved to help the severe drought.

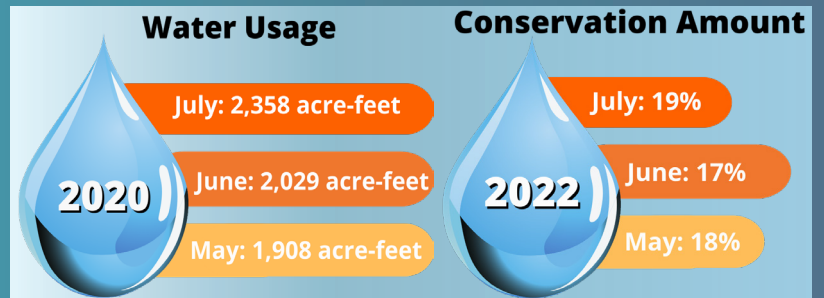


PWD Customers Saving More Water Than Statewide Average

Thank you for conserving water and helping our water supply during this severe drought. In June, PWD customer's water use dropped 17% compared to the same month in 2020. Statewide, the conservation number was 7.6% for the same monthly comparison.

In July, the District's customers conserved 19% compared to the same month in 2020. (Statewide numbers for July have not been released.) July's savings is close to the 20% reduction that was asked for this past May when PWD began mandating water conservation guidelines and limiting outdoor watering to three days a week before 10 a.m. and after 6 p.m. The 19% exceeds the 15% conservation goal set by the state in July 2021.

Customers are encouraged to keep up with their water savings. Projections for the remainder of the year show that a 20% conservation should leave PWD with enough water supply for this year.



Please continue to follow the outdoor watering guidelines and take advantage of rebates for landscape conversions, high-efficiency toilets and clothes washers, weather-based irrigation controllers, sprinkler upgrades and micro-irrigation conversions. The rebate programs are for both residential and commercial customers.

For more information on rebates, call 661-947-4111 ext. 5002.

INTRODUCING WELL 36

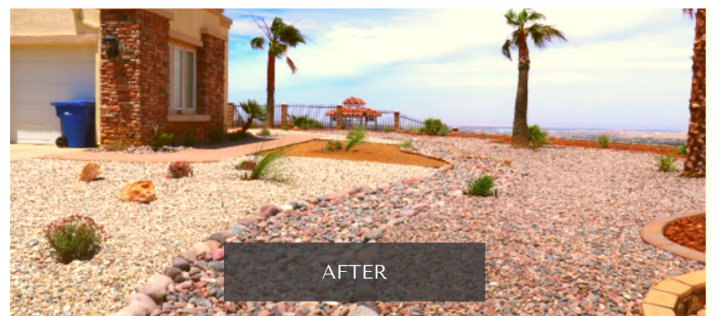
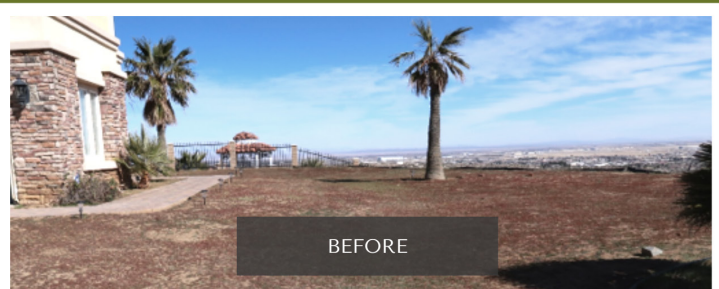
PWD is proud to announce the drilling of its first groundwater well in 31 years. This project is critically important during the drought because we are more reliant on groundwater due to limited surface water from the State Water Project. Well 36 is expected to begin pumping in early 2023. It will be about 1,000 feet deep and pumping a maximum 1,500 gallons per minute, providing enough water for about 2,000 homes annually. It is located north of 15th Street East at Rancho Vista Boulevard.



GM Dennis D. LaMoreaux, Engineering Manager Scott Rogers and Assistant GM Adam Ly break ground at Well 36.

Rebates Available for Landscape Conversions

Conserve water by turning your lawns into drought-friendly landscapes. Customers can receive cash rebates of up to \$3,000 to help with the cost. Contact the Water-Use Efficiency team before starting your project. Visit www.palmdalewater.org or call 661-947-4111 ext. 5002.



DELTA CONVEYANCE PROJECT



NEW PAID INTERNSHIP PROGRAM

Interested in becoming a PWD intern? We are seeking college students with a passion for the water industry. For more information, call 661-456-1048.



BULK WATER STATION BACK IN SERVICE

This self-service station is perfect for contractors and others needing small amounts of non-potable water. Minimum purchase is 50 gallons at a cost of 10 cents per gallon.

For more information on the Bulk Water Fill Station, call Customer Care at 661-947-4111.

In California, our new reality represents extreme weather events and climate trends, making water management in California much more challenging. To secure our water future and ensure the delivery of clean, affordable water to all Californians, we must invest in modernizing the infrastructure in the Delta.

What is the Delta Conveyance Project and what will it do for California?

It will:

- Capture runoff from large storms and move water into storage for times of drought.
- Safeguard against a major earthquake that could collapse aging Delta levees and shut off water deliveries to millions of people, farms and businesses.
- Improve conditions for migrating and endangered fish populations.
- Provide high-quality, northern Sierra water that will be the necessary foundation for local supply projects.



*Ad provided by the city of Palmdale.



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CONTACT US!

CUSTOMER CARE: 661-947-4111
EMERGENCY LINE: 661-947-4114
FAX: 661-947-8604
WATER-USE EFFICIENCY: 661-947-4111 ext. 5002

PAY YOUR BILL BY PHONE 24/7:
 855-498-9969
PAY ONLINE:
PALMDALEWATER.ORG

PAY NEAR ME: PAY WITH CASH AT ANY 7-ELEVEN OR FAMILY DOLLAR LOCATION WITH YOUR PWD STATEMENT.

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Mission Statement

Since 1918, the Palmdale Water District has provided high-quality water at a reasonable cost. We pride ourselves on great customer care; advocating for local water issues that help our residents; educating the community on water-use efficiency; and leading our region in researching and implementing emerging technologies that increase operational efficiency.