

Palmdale breaks ground on Pure Water Antelope Valley project

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Palmdale Water District's (PWD) Board of Directors and staff were joined by California Natural Resources Agency Deputy Secretary of Water Nancy Vogel and legislative representatives for a groundbreaking ceremony last week on the Pure Water Antelope Valley (AV) Demonstration Facility, which will purify recycled water for potable use.

The project will have a purification room that will run recycled water through micro-filtration filters, reverse osmosis filters and ultraviolet light with advanced oxidation.

"This is quite a momentous occasion for Palmdale Water District and the community we serve," said PWD Board President Kathy Mac Laren-Gomez. "We appreciate the support today as we move forward with aligning ourselves with numerous statewide projects that use water purification treatment for recycled water."

Pure Water AV will be the first advanced water treatment plant in California to house "Project Monarch," a water management and carbon capture equipment supplied by Capture6. Capture6, a climate technology and services company, is leasing space to capture carbon that will save PWD costs for brine disposal.

"Pure Water will secure our long-term water supply," said PWD General Manager Dennis D. LaMoreaux. "It is vital for us to be a forward-thinking district and seek ways to ensure that there is enough water supply to meet the growth of the Palmdale community. Pure Water will enable us to be more drought-proof, have local control of our water and improve our groundwater quality and quantity. Having the ability to have 'Project Monarch' capture carbon is a win-win for everyone."

The Demonstration Facility is expected to be completed in one year and cost \$24.5 million. A full-scale version of the project, estimated to cost \$200 million, will provide an additional 5,000 acre-feet of water per year by using recycled water and treating it for groundwater augmentation. For more information about Pure Water AV, visit www.purewaterav.org.