

# Arlington Desalter



Securing Your Water Supply

*A local, secure water source is a top priority for Western Municipal Water District. Our Arlington Desalter showcases Western's commitment to water supply reliability through technology and by providing locally produced high-quality drinking water in the region.*



## Fast Facts

- Once expanded the Arlington Desalter will provide 6.4 million gallons per day of local, secure water for our region.
- Desalted water is a local, secure water supply, reducing our reliance on water from far-off sources, like the Colorado River or Northern California.
- Water is treated through a process called reverse osmosis, which takes out salt and other matter, to create clean, local drinking water.

A local, secure water source is a top priority for Western Municipal Water District. Our Arlington Desalter showcases Western's commitment to water supply reliability through technology and by providing locally produced, high-quality drinking water in the region.

The Arlington Desalter was built more than 20 years ago, and it was the first of its kind in Southern California. The facility provides the region with billions of gallons of drinking water annually, currently serving the people in the city of Norco and portions of Riverside.



*Arlington Desalter*

When the facility is fully expanded, it will be able to supply 6.4 million gallons per day (MGD) of new water for the region. This local water source will reduce our dependence on far-off imported water from Northern California and the Colorado River.

## How does desalting groundwater work?

Like water from the ocean, groundwater contains salts and other matter that must be taken out before we can drink it. Groundwater is pumped



out of the aquifer, a layer of rock and sediment deep under the ground, and treated at the Arlington Desalter through a process called reverse osmosis, which forces water across a membrane at high pressure. The membrane traps salt and other impurities and allows only clean water to come through, allowing us to drink the water.

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## What are the benefits?

Western customers can expect a local, more reliable water supply. In addition, groundwater quality is improved because pumping and treating more groundwater accelerates restoration of local groundwater quality.

Additionally, water basin groundwater can also be stored underground and used during drier times or emergency.



*The Arlington Desalter provides a reliable high-quality water source.*

## What's next?

Western is looking to provide even more high-quality, local water for our customers through expanding pumping and treatment of additional groundwater at the Arlington Desalters. The expansion is expected to be complete in mid-2017.



For more information,

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