

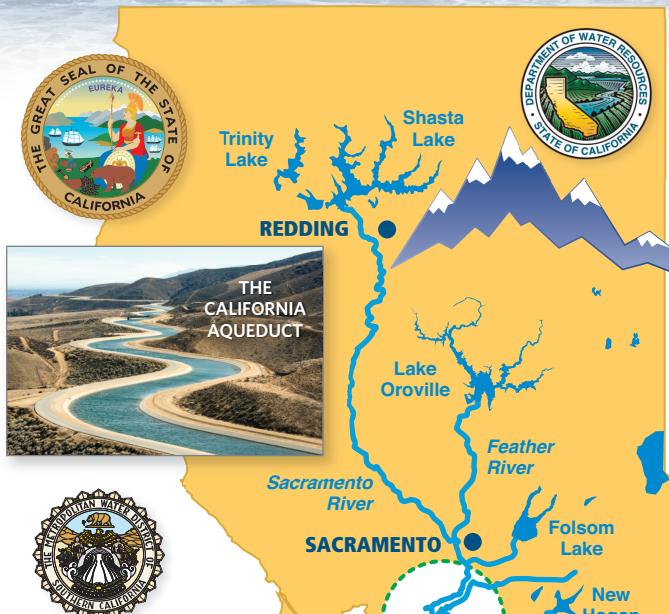


The City of Huntington Beach

PUBLIC WORKS UTILITIES DIVISION



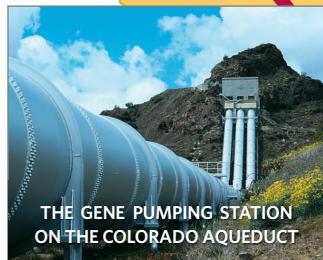
Where Does Our Water Come From? ...and How Does It Get to Us?



Managed by the Metropolitan Water District of Southern California, the Colorado River Aqueduct begins near Parker Dam on the Colorado River. There, the Gene Pumping Station lifts the water over 300 feet, and it begins its 242 mile journey to Lake Mathews, just outside the City of Corona. Along the way, the water passes through two reservoirs, five pumping stations, 62 miles of canals, and 176 miles of tunnels, buried conduit and siphons. All told, the water is lifted four times, a total of more than 1,300 feet.

After its journey across the Mojave Desert, the water descends into the Coachella Valley and through the San Gorgonio Pass.

Near Cabazon, the aqueduct flows underground, passing beneath the San Jacinto Mountains and continuing until it reaches its terminus at Lake Mathews. From there, 156 miles of distribution lines, along with eight more tunnels, delivers the water throughout Southern California.



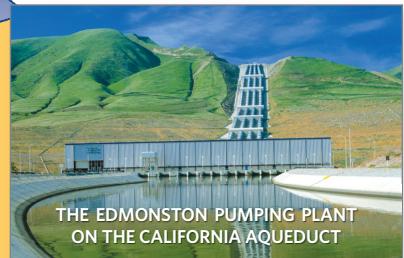
Have you ever wondered where your water comes from? Here in Huntington Beach, about three-quarters of our water is drawn from local groundwater supplies, while the rest is imported from both Northern California and the Colorado River.

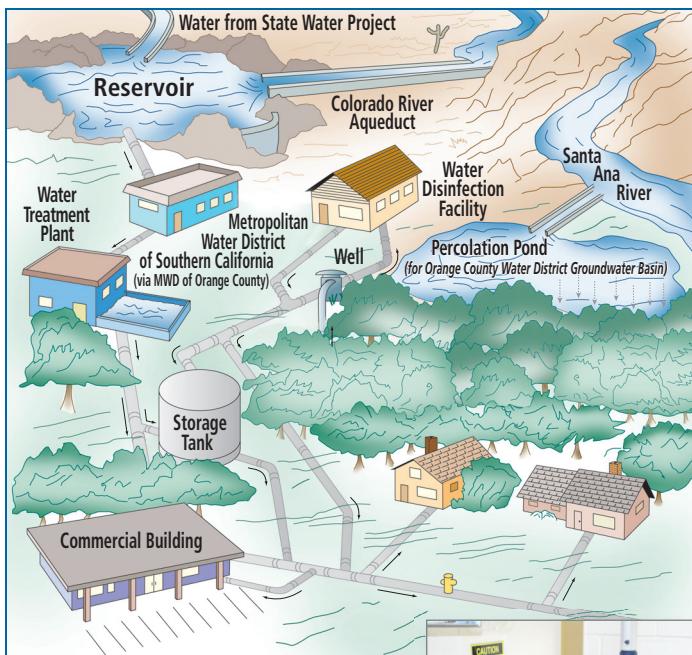
Water from Northern California travels to us through a complex delivery system known as the California State Water Project. Designed and built in the 1960s, the State Water Project is one of the largest public water and power utilities in the world, providing drinking water for more than 25 million people statewide.

Managed by the California Department of Water Resources, the project stretches over 700 miles, from Lake Oroville in the north to Lake Perris in the south. Water stored in Lake Oroville, Folsom Lake, and other tributaries, and fed by snow melt from the Sierra Mountains, flows into the Sacramento and San Joaquin rivers, and from there into reservoirs in the Bay-Delta region.

From the Bay-Delta, giant pumps lift the water into the 444-mile-long California Aqueduct, there to flow southward to cities and farms in central and Southern California. Composed mainly of concrete-lined canals, the Aqueduct also includes over 20 miles of tunnels, more than 130 miles of pipelines, and 27 miles of siphons. Along the way, the water is pumped 2,882 feet over the Tehachapi Mountains. The Edmonston Pumping Plant alone lifts millions of gallons a day up 1,926 feet, the highest single water lift in the world.

Is it any wonder the State Water Project is the largest single consumer of power in the State of California?





The City of Huntington Beach Utilities Division vigorously works to ensure the safety of your drinking water, and in conjunction with Metropolitan Water and OCWD, continuously monitors the water to verify adherence with drinking water regulations. Pictured at right is a member of City of Huntington Beach water quality staff performing one of many daily tests for fluoride.



Are There Permanent Water Requirements in Place for Huntington Beach?

This winter's wet weather, while welcome, has not alleviated the State's water situation. One good season can't overcome the effects of five dry years. Southern California has an arid climate and the need for wise water use must remain a part of everyone's daily lives. The following Permanent Water Requirements were updated by the City Council in August, 2015.

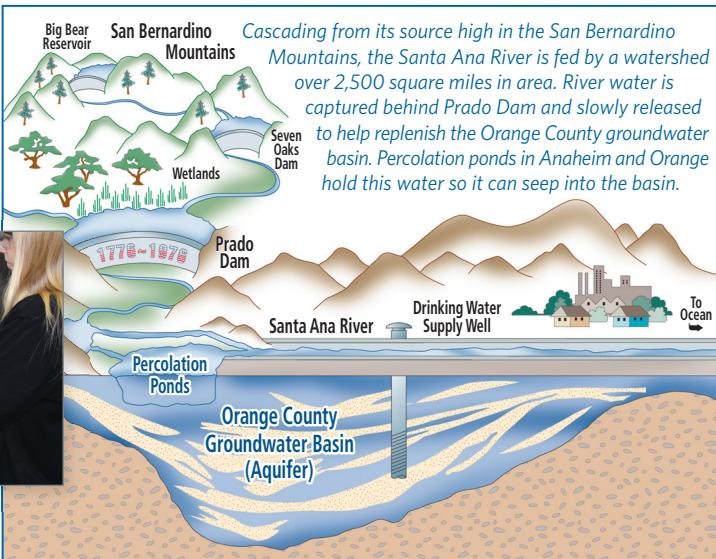
- No automatic irrigation** should be used **between the hours of 9 a.m. and 5 p.m.**
- Watering over 10 minutes per station** for automated irrigation systems **is prohibited.**
- Irrigating** lawn, shrubs, or ornamental landscape **during and after 48 hours of a rainfall is prohibited.**
- Washing down hard surfaces** including sidewalks & driveways **is prohibited.**
- Watering outdoor landscapes in a manner that causes runoff** onto adjoining sidewalk, driveway, alley, or gutter **is prohibited.**
- Washing a vehicle** (including cars, trucks, boats, trailers, and recreational vehicles) **with a hose, unless the hose is fitted with a shut-off nozzle, is prohibited.**
- Operating a fountain or decorative water feature that does not use re-circulated water is prohibited.**



Thank you for making
water conservation
a Way of Life.

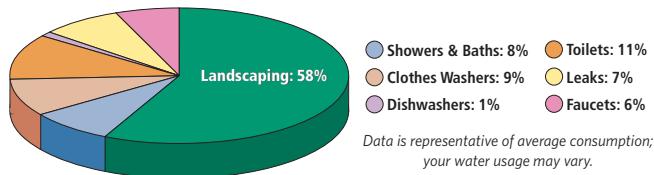
How Does Our Water Get to Us?

Importing water from hundreds of miles away is only the start to providing you clean, fresh water. Once the water is in the southland, the Municipal Water District of Orange County, in partnership with the Metropolitan Water District of Southern California, pumps the water to individual cities throughout Orange County. The Orange County Water District, which manages the groundwater basin beneath the county, ensures the quality and supply of groundwater throughout its service area. Huntington Beach sits atop the county aquifer and draws about three-fourths of its water from this local source.



Where Do We Use Water the Most?

Outdoor watering of lawns and gardens makes up approximately 60% of home water use. By reducing your outdoor water use — by either cutting back on irrigation or planting more drought tolerant landscaping — you can dramatically reduce your overall water use. Save the most where you use the most: Make your outdoor use efficient.



Where Can We Learn More?

There's a wealth of information on the internet about Drinking Water Quality and water issues in general. Some good sites to begin your own research are:

Metropolitan Water District of So. California: www.mwdh2o.com

California Department of Water Resources: www.water.ca.gov

The Water Education Foundation: www.watereducation.org

To learn more about **Water Conservation & Rebate Information:** www.bewaterwise.com • www.ocwatersmart.com

And to see the Aqueducts in action, checkout these two videos:

Wings Over the State Water Project: youtu.be/8A1v1Rr2neU

Wings Over the Colorado Aqueduct: youtu.be/KipMQh5t0f4



City of Huntington Beach Public Works Utilities Division

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