

pipelines



IRWD Capital Projects Support Five Decades of Regional Growth



IRWD converted the San Joaquin Reservoir from drinking water storage to a one billion gallon recycled water storage facility in 2004. Here, crews regrade the reservoir to prepare for the installation of a new lining.

Over the past 50 years Irvine Ranch Water District has planned, constructed, operated and maintained an expanding and evolving water and sewage system. Located in central Orange County in California, IRWD provides water, wastewater and urban runoff management services to a population of 340,000 in Irvine, Tustin Ranch, Portola Hills, Foothill Ranch, Santa Ana Heights, Orange Park Acres and portions of Lake Forest, Newport Beach, Costa Mesa, Orange and unincorporated Orange County.

The list of key IRWD projects built over the years includes: the Deep Aquifer Treatment System, the San Joaquin Reservoir Conversion and the Michelson Water Recycling Plant Expansion.

The Deep Aquifer Treatment System came on-line in 2002. This facility purifies drinking water from deep within the Orange County Groundwater Basin. The process removes impurities [Continued on page 2...](#)

Current IRWD Well-Drilling Activity

If you have noticed IRWD construction activity near your home or business recently, it may be due to the installation of six new water wells taking place throughout the District. Currently, two wells in the City of Tustin, three wells in the City of Irvine and one in the City of Lake Forest are in various stages of construction.

- Two IRWD drinking water wells located on Mitchell Avenue in Tustin were originally drilled in the 1990s but they are not producing water at this time. The District is currently rehabilitating and connecting these two wells to the IRWD drinking water system.
- Three IRWD wells under construction in Irvine include a non-potable water well on Warner/Culver, and two new drinking water wells, one on Dureya near the 55 freeway, and the other near the Culver/I-5 freeway on-ramp. The well on Warner/Culver was re-drilled in August and IRWD plans to install the well's pump and motor over the next few months. This well is expected to be on-line and pumping water for non-potable use by spring 2012. The drilling of the new drinking water wells in Irvine will continue through mid-2012.
- The latest IRWD well site under construction in Lake Forest is near Regency Park. This existing well was re-drilled in May 2011. The installation of its pumps and motor is expected to be completed over the next few months.

When these well projects are complete, water from these wells will be added to both the drinking and recycled water systems, providing more locally-supplied water for IRWD customers.

Install a Beautiful Garden and Save!



IRWD is offering customers incentives to replace water-thirsty turfgrass with a beautiful water-saving garden.

- Rebate of \$1.50 per square foot of turfgrass removed
- Required minimum of 250 up to maximum of 10,000 square feet of turfgrass removed

Save Water, Money and Time
Increase Your Property Value
Protect the Environment
Reduce Your Carbon Footprint



Before



After

Program details and rebate information available at

www.alwayswatersmart.com

or call (949) 453-5581



24-Hour Service (949) 453-5300

If you discover a disruption in your water service or other problem call the IRWD 24-hour emergency line and a representative will assist you.

24-Hour Online or Mobile Access

Visit our website: www.irwd.com



IRWD is now on [Facebook.com](https://www.facebook.com)

Join our fan page:

[Irvine Ranch Water District](#)

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IRWD's YouTube channel is:

[IrvineRanchWD](#)



Check out all you can find out from the convenience of your own computer

Construction Projects

IRWD has many active construction projects occurring throughout our service area. To keep informed about high profile projects, visit the Construction Projects section on our website, www.irwd.com. This section provides detailed project descriptions, timelines, project updates and construction notices.

Water Quality

Do we have hard water? Is my drinking water safe? Do I need to filter tap water for safety? Find the answers to these questions and more in the Water Quality section, under the Your Water tab on the home page.

Irrigation Schedule

Figure out the most efficient and water-conscious way to water your yard with our seasonal irrigation schedule, located under the Conservation tab of our website.

Understand Your Bill

Have questions about your bill or want to know how we calculate it? Click on Understanding Your Bill on the left hand side of our home page.

Community Calendar

This calendar, located in the Community Programs section of www.irwd.com, is offered as a community service to highlight daily listings of non-profit events taking place throughout the IRWD service area.

Irvine Ranch Water District



The mission of Irvine Ranch Water District, a public agency, is to provide reliable, high quality water and sewer service in an efficient, cost effective manner and environmentally sensitive way that provides a high level of customer satisfaction.

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and discoloration, left from ancient vegetation in the aquifer, and produces over seven million gallons of drinking water each day.

The San Joaquin Reservoir, located in Newport Coast, was built in 1966 to store drinking water. In response to new laws prohibiting the storage of drinking water in open reservoirs, IRWD converted the San Joaquin Reservoir to store recycled water in 2004. The reservoir now stores nearly one billion gallons of recycled water for future irrigation use, reducing the need for importing more expensive drinking water for irrigation.

The Michelson Water Recycling Plant was built in 1966 and is IRWD's primary source of recycled water. The plant converts an average of 18 million gallons of wastewater each day to recycled water. Currently the plant is undergoing an expansion. When completed in 2012, the plant will produce nearly 28 million gallons of recycled water per day. Recycled water comprises about 21 percent of IRWD's current supply, enough to provide landscape irrigation for 80 percent of IRWD's business and community customers, including parks, school grounds and golf courses. Every gallon of recycled water used for irrigation saves a gallon of drinking water, an equation that helps keep IRWD's water rates among the lowest in Orange County.

In addition to these large-scale capital projects, IRWD is addressing the needs of customers through the installation of several drinking and non-potable water wells throughout our service area. Likewise, ongoing construction projects like the Orange Park Acres Water System Improvements, and future projects such as the Newport Boulevard Water Line Relocation, the Baker Water Treatment Plant Project and the Main Street Gillette Sewer Replacement will improve existing infrastructure to meet the District's future water and sewer system needs.

To learn more details about IRWD's current and upcoming capital projects, visit www.irwd.com and click on the Construction Projects quick link. Or visit the Irvine Ranch Water District fan page on [Facebook.com](https://www.facebook.com), where, throughout November, you'll find highlights of major projects that IRWD has completed over the years.