

pipelines



Building on our Water Recycling Legacy

Recycled water accounts for one-fifth of IRWD's total water supply. Every gallon of recycled water used to irrigate landscapes, golf courses and street medians means one gallon of imported drinking water is being conserved.

In 1963, back when IRWD's service area was mostly comprised of agricultural customers, our forward-thinking Board of Directors recognized the importance of recycled water for future water supply reliability. As a result, IRWD's water services were expanded to include wastewater collection and treatment for the purpose of producing recycled water. By 1967, the IRWD Michelson Water Recycling Plant began delivering approximately two million gallons of recycled water per day to agricultural users.

Since then, IRWD has remained a national leader in recycled water. In fact, the purple pipe used nationwide for the distribution of recycled water originated at IRWD. (See page 2 sidebar.) By finding alternative sources of water, our dependence on costly imported water is reduced, which helps us maintain some of Orange County's lowest water rates.

IRWD's water recycling program has grown to include almost 5,000 recycled water connections. More than 400 miles of recycled water pipeline supplies recycled water to approximately 45 commercial buildings. A state-of-the-art expansion of the Michelson Plant will increase recycled water production from 18 million gallons per day to 28 millions gallons per day, a 55 percent gain. Construction is expected to be completed at the end of summer 2012.

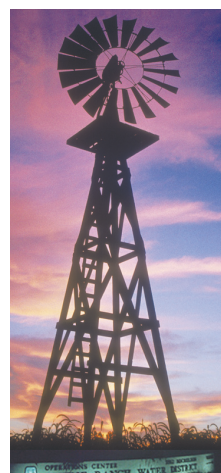
"IRWD seeks opportunities to increase the use of recycled water to the greatest extent practicable," said Mark Tetterer, IRWD's recycled water development manager. "While irrigation represents the majority of the use of recycled water, IRWD is pursuing projects to diversify the types of uses consistent with State regulations. This includes other approved uses such as toilet and urinal flushing, cooling tower make-up water and other industrial applications." *Continued on page 2...*

Introducing IRWD Interim General Manager Paul Cook

The IRWD Board of Directors has announced the appointment of Paul A. Cook as Interim IRWD General Manager, effective July 16, 2011. Paul Cook joined IRWD in 2004 as the Assistant General Manager and is a former Orange County Water District board member. Prior to IRWD he served as the Manager of Engineering for the Central and West Basin Municipal Water Districts in Los Angeles County where he was responsible for the design and construction of major water recycling, advanced treatment and regional distribution systems. Cook is a Registered Professional Civil Engineer.



In 1991, IRWD participated in what was then hailed as a first in the nation – facilitating use of recycled water in high-rise buildings for toilet flushing. The 20-story office tower at 3 Park Plaza was the first of many office towers throughout Irvine to put recycled water to this use. It was estimated that using recycled water for toilet flushing in the building would save approximately 280,000 to 320,000 gallons of potable water every month, or enough water to serve 35 average Irvine families.



Join Us Sept. 17 to Celebrate IRWD's 50th Anniversary

Save the date. Join us Saturday, September 17, from 10 a.m. to 2 p.m. at the IRWD Operations Center to celebrate the "50 Years of Value" that IRWD has shared with the residents, businesses, institutions and rate payers of our service area.

This 50th Anniversary free event will feature interactive information booths, activities and water-related presentations suitable for all age groups, so be sure to bring the whole family. Light refreshments will also be served. For more information, please visit www.irwd.com and click on About Us and 50th Anniversary.

The IRWD Operations Center is located at 3512 Michelson Drive in Irvine.

From the southbound 405 freeway exit Jamboree Road, turn right and proceed to Michelson Drive. Turn left on Michelson and go three signals to Riparian View. Make a right turn onto Riparian View, the entrance road to the IRWD Operations Center facility.

From the northbound 405 freeway exit Culver Drive, turn left and proceed to Michelson Drive. Turn right on Michelson and proceed past Harvard Avenue to the next signal, Riparian View. Make a left turn onto Riparian View, the entrance road to the IRWD facility.



Save Water, Save Cash with FreeSprinklerNozzles.com

From September 1 to November 11, 2011, IRWD residential and business customers can receive free water-efficient sprinklers! Through a special limited-time program, residential customers will be eligible to receive up to 25 free Toro Precision Series Spray Nozzles. Business customers served with potable water can receive up to 100 free nozzles, while supplies last. To sign up for the program, visit www.FreeSprinklerNozzles.com on Sept. 1.



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.

IRWD Board of Directors

- Steven E. LaMar, Pres.
- Mary Aileen Matheis, V.P.
- Douglas J. Reinhart
- Peer A. Swan
- John B. Withers

Interim General Manager

Paul Cook

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Water Recycling Legacy

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All recycled water produced at IRWD facilities meets, or exceeds, the stringent water quality requirements established by the California Department of Public Health. The high quality of IRWD's recycled water earned the District the first unrestricted use permit in California, allowing IRWD to become the first agency in California to use recycled water for toilet flushing inside commercial buildings.

Did you know the water you use to shower in the morning can be used to irrigate a golf course by evening? It takes about 16 to 18 hours to produce recycled water at IRWD's Michelson Water Recycling Plant. Recycled water is primarily used for landscape and agricultural irrigation, such as parks, school grounds, golf courses, and freeway landscaping.

IRWD continues to be a leader in recycled water innovation. Engineers estimate that when IRWD's service area reaches "final build out" in approximately 2025, a recycled water capacity of 33 million gallons per day will be required to meet demand. IRWD has already crafted a master plan to meet that demand. Just one more way to build on its legacy of ensuring complete customer satisfaction.

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

facebook

IRWD is now on Facebook.com

Join our fan pages:
Irvine Ranch Water District
 Aqua Duck

Follow IRWD's Twitter channels:

-  @IRWDemergency
- @IRWDnews
- @AlwaysH2OSmart

YouTube

IRWD's YouTube channel is:
IrvineRanchWD

About That Irvine Purple

Recycled water use in Southern California was gaining momentum in the early 1980s and IRWD engineers were researching ways to differentiate between the pipes that carry recycled water and those serving drinking water.

The head of the Planning Department asked one of the engineers to come up with a color palette, thinking that using a different color pipe for recycled water would be effective. A challenge came with this request - the department head was severely color blind and only saw shades of gray.

"But he pointed to purple on the chart, because even though he only saw gray, this stood out from the rest," said IRWD Principal Engineer Steve Malloy. "So he chose that, saying if it looked different to him, others could see it."

IRWD worked with the American Water Works Association to set purple pipe for recycled water as an industry standard. Wherever recycled water is used, purple pipe is used, which is known as "Irvine Purple."

Water Smart Landscapes Open House

Saturday, October 1 ~ 9 a.m. to 2 p.m.
7601 Irvine Blvd., Irvine CA 92618

Join us at the South Coast Research & Extension Center
to discover gardening practices that
protect our water and reduce your water bills.

SAVE
THE DATE
FOR THIS
FREE EVENT!

