

pipelines



When volunteer families turned out at UC Irvine in 2000 to plant 100 Coast Live Oak and Eldarica Pine trees, ShadeTree celebrated the milestone planting of its 10,000th tree with a welcome cookie break.

A Look Back: Shadetree Partnership Celebrates 10,000 Tree Plantings

Shadetree Partnership, was created in 1990 to promote more livable communities through the planting and stewardship of shade trees. Shadetree's commitment to environmental awareness and community involvement is realized through hands-on participation of volunteer community groups and partnerships with organizations such as the Boy Scouts, Girl Scouts, Key Clubs, National Arbor Day Foundation, California Re-LEAF, Volunteer Center Orange County, Soroptimist International and National Charity League.

In February 2000, Shadetree Partnership reached its goal of planting 10,000 trees by the millennium. This milestone was commemorated with a tree planting event co-sponsored by IRWD at the University of California, Irvine. Throughout the years Shadetree Partnership and IRWD have continued to teamed up to beautify parks and schools around Orange County.

Environmental Sustainability Remains a Key IRWD Priority

The District is committed to protecting the environment through effective water and resource management

Protecting, sustaining and revitalizing the environment matters to IRWD. We demonstrate this longstanding commitment to environmental sustainability through a variety of innovative water management programs including urban runoff reduction and treatment, public education and environmental partnerships, recycled water and water banking, and energy sustainability.

Urban Runoff Reduction and Natural Treatment Programs: The IRWD San Joaquin Marsh encompasses more than 300 acres of coastal freshwater wetlands. In addition to providing a valuable open space oasis and wildlife habitat for the community, the working wetlands help naturally clean the urban runoff from San Diego Creek, removing up to 70 percent of the nitrogen carried in the water, helping to protect the environmentally sensitive Upper Newport Bay.

Modeled after the San Joaquin Marsh, the IRWD Natural Treatment System is a series of smaller, man-made wetlands located throughout the IRWD service area. These wetlands naturally remove contaminants from urban runoff in a cost-effective and environmentally sound manner. Both the Natural Treatment System and the San Joaquin Marsh help IRWD protect the environment through the treatment of natural dry-weather runoff.

Education Programs and Environmental Partnerships: The IRWD education program and partnerships with environmental organizations further exemplify our commitment to environmental sustainability. IRWD recognizes the significant impact lifelong learning can have on a community

and as such, provides extensive student and community education programs in our service area. Examples include student assemblies and workshops, tours of our facilities for both students and community members, and community events aimed at educating the public on conservation, California-friendly gardening and general water management. Additionally, IRWD participates in key environmental partnerships with Sea & Sage Audubon and Discovery Science Center to provide education about our water resources and environmental sustainability throughout the community.



Reducing Reliance on Imported Water: IRWD boasts a highly diverse water supply, using local groundwater, recycled water and water banking to reduce our dependence on costly imported water. In 1990, imported water made up approximately 64 percent of IRWD's water supply; today, it accounts for only 28 percent. Reducing the District's reliance on imported supplies protects IRWD customers from statewide supply fluctuations, keeps costs low, and reduces our carbon footprint by [Continued on page 2...](#)

Summer Day Camp is Happening at the Marsh

It's spring and school will be out before you know it. Summer day camp opportunities are available at the IRWD San Joaquin Marsh for all ages through both the Sea and Sage Audubon and Discovery Science Center.

The Sea and Sage Fledgling Camp is for seven and eight-year-olds and will observe birds on daily nature walks, keep a birding journal, learn nature song and do crafts. Camp takes place from June 27 through July 1 from 9 a.m. to 3 p.m.

Marsh Bird Camp is for nine-12-year-olds and features exploration of all aspects of marsh bird life. Campers will also enjoy [Continued on page 2...](#)



Enter Aqua Duck Makeover Contest and Win Prizes

Through May 31, participants of all ages are invited to submit entries for the Aqua Duck Makeover Contest. Winners from five different age categories will receive a four-pack of passes to the Discovery Science Center and a chance to win several other prizes! The grand prize winner's design will be adapted for use as the future official mascot of IRWD. All winners will also be honored at an IRWD Board meeting and receive an IRWD fun kit. Please visit www.alwayswatersmart.com and click on "Aqua Duck" for full contest details, contest rules and a submission form.

Fix a Leak 2011 Promotion Winners Selected

More than 226 customers participated in the IRWD Fix a Leak 2011 promotion, which offered a chance to win up to \$50 in exchange for fixing leaks. The contest ran from Feb. 15 through March 31, and more than 100 winners were selected to receive \$50 checks.

Barbara Corlett, a Lake Forest IRWD customer, was the third winner selected.



Barbara also conserves water on a regular basis by running appliances efficiently. "I never run my dishwasher unless its absolutely full of dishes", says Barbara, "and when I wash clothes, I always wash full loads."



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

General Manager

Paul D. Jones II

Pipelines is published by Irvine Ranch Water District
15600 Sand Canyon Ave.
Irvine, California 92618
(949) 453-5300

E-mail: customerservice@irwd.com

Questions about this publication?
E-mail: info@irwd.com



Summer Day Camp

...Continued from page 1

nature walks, see live hawks and owls from a birds of prey center, make a birdbath, keep a nature journal, do crafts and much more. Camp runs from July 11 through July 15, 9 a.m. to 3 p.m.

Discovery Science Center's Summer Smiles camp is for five and six-year-olds and takes place the weeks of Aug. 8 and 15 from 9 a.m. to 12:30 p.m. Campers will investigate the world of frogs, leaves and butterflies and learn about the marsh's natural treatment ponds during daily nature hikes.

For information about Sea and Sage camps, please call (714) 969-9617 or (714) 505-9980. For Discovery Science Center camp information, please call (714) 913-5030.

Reminder: No Pipelines next June

Look for the *IRWD 2011 Water Quality Report* with your next bill.

Environmental Sustainability ...Continued from page 1

decreasing the amount of imported water moved across the state to meet IRWD demands. Further, by reducing our imported demands, we help reduce demand on the environmentally sensitive Sacramento-San Joaquin Delta, underscoring the District's belief that ecological protection and restoration of the Delta is vital to ensuring the health and reliability of California's future water supply and economy.

Energy Sustainability: The IRWD recycled water and conservation programs have significant energy efficiency benefits. Water imported to Southern California requires large amounts of power to move it across the state, particularly over the Tehachapi Mountains. By reducing our imported water use, IRWD has cut greenhouse gas emissions by approximately 20,000 tons annually.

IRWD also has implemented an effective solar energy program designed to further reduce our carbon footprint. Nearly 700 solar panels on the roof of the IRWD Sand Canyon office building provide more than 20 percent of the total energy needed for the building. 800 panels installed on the roof of the IRWD Zone 3 drinking water reservoir produce more than half of the energy needed to run that facility. Solar energy also helps power the mixers at the IRWD Los Alisos Water Recycling Plant.

To read more about IRWD environment programs, please visit www.irwd.com and click on the "Environment" tab.

Cut along dashed line and post this schedule near your irrigation controller.

Suggested Weekly Spring Irrigation Schedule

Month	Turfgrass	Trees, Shrubs & Ground Cover	% Option**
May	3 days, 3 cycles* of 3 minutes each	2 days, 3 cycles of 3 minutes each	80%
June	3 days, 2 cycles of 5 minutes each	3 days, 2 cycles of 3 minutes each	100%

The above chart suggests a weekly schedule for spray-head irrigation, assuming heavy clay soils common to most local coastal and foothill areas. Generally, these are the MAXIMUM times you will need for full sun areas. Your landscape's particular watering times may vary. Start with this schedule and increase the times only if your plants show signs of stress. If stress occurs only in isolated areas, check your irrigation system before increasing the watering time.

*By "cycling" the irrigation controller to turn on for the recommended number of minutes an hour apart, deeper watering and healthier root growth are gained, while runoff is reduced.

**The % option, either a button or a dial, permits the watering run times for all electric valves managed by a controller to be increased or decreased with just one adjustment by percentage.

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

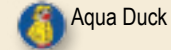
Visit our website: www.irwd.com



IRWD is now on Facebook.com

Join our fan pages:

Irvine Ranch Water District



Follow IRWD's Twitter channels:

 @IRWDemergency
 @IRWDnews
 @AlwaysH2OSmart



IRWD's YouTube channel is: IrvineRanchWD