



Recycled Water Expansion

Project

PROJECT INFORMATION

Benefits of the Project

- Expand the production and delivery of recycled water for irrigation
- Reduce dependence on imported water by using drinking water (potable) for household consumption, sanitary uses and recycled water for irrigation
- Enhance local supplies and reliability by using water more than once
- Create a more self-reliant water system, particularly important in times of unplanned service interruptions such as drought and emergencies
- Reduce treated wastewater discharge to the ocean
- Produce a higher quality of recycled water that is more turf-friendly
- Infuse approximately \$37 million into the local economy and create an estimated 600 jobs*

*According to the National Organization of Water Companies



Questions?

Please call the Dedicated Project Helpline at 949.837.0880 or send an email to district@etwd.com and we'll respond to your inquiry.

Project Description

El Toro Water District (ETWD) is undertaking a comprehensive, multi-phase Recycled Water Expansion Project that will increase the amount of recycled water produced for local irrigation. By producing more recycled water, the District will save precious imported drinking water (potable) for household consumption and sanitary uses.

The Recycled Water Expansion Project includes two components.

- The District will expand its existing Water Recycling Plant to increase the treatment and delivery of recycled water for irrigation to approximately 1,400 acre feet per year. That's the equivalent of covering the entire footprint of Laguna Woods Village with five inches of water or filling Angel Stadium nineteen times.
- Simultaneously, the District will build a new recycled water distribution system for irrigation. Approximately 100,000 feet or 19 miles of recycled water pipeline will be constructed beneath the roadways in Laguna Woods and the northwest portion of Laguna Hills. This new distribution system will be completely separate from the drinking water distribution system and used for irrigation only.

Why the Project is so Important

Like most water districts in south Orange County, ETWD relies on imported water from the Sacramento-San Joaquin Bay Delta and the Colorado River to meet 95% of its customer demand.

To meet the current need to irrigate golf courses, parks and greenbelts, ETWD uses both recycled water produced by the current Water Recycling Plant and imported drinking water (potable).

By expanding the capacity of the Water Recycling Plant, ETWD will increase recycled water usage, significantly reduce dependence on imported potable water for irrigation and therefore, enhance overall supply reliability.

In addition, the expanded Water Recycling Plant will produce a higher quality of recycled water for irrigation purposes and significantly reduce the amount of treated wastewater discharged into the ocean.

Safety of Recycled Water

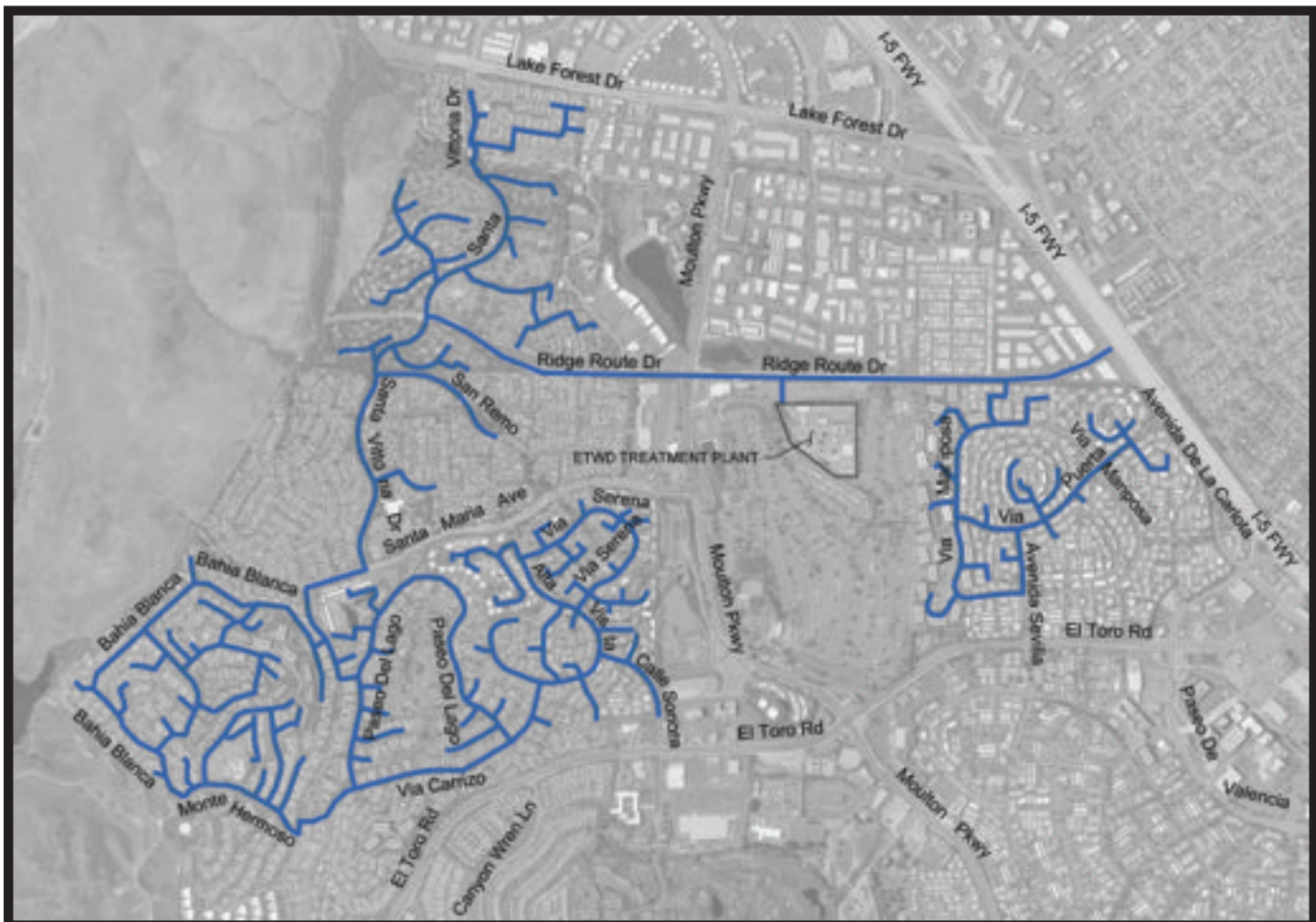
All recycled water produced by ETWD for irrigation meets, or exceeds, the stringent water quality requirements for California as established by the Regional Water Quality Control Board and California Department of Public Health.

ETWD will conduct extensive monitoring to ensure the reliability of the disinfection and tertiary treatment processes. This highly treated recycled water is virtually free from all pathogens, including viruses. Several long-term microbiological studies involving thousands of samples have confirmed that pathogens are reduced to non-detectable or insignificant levels in tertiary-treated recycled water.

Keeping You Informed During the Project

The District is implementing a comprehensive community outreach plan to share information about the project and to keep customers and community leaders informed about construction schedules throughout the project. Construction on the upgraded recycled water treatment facilities and the recycled water pipeline system will begin in February 2013 and continue through the end of 2014. ETWD is committed to keeping the community informed regarding construction schedules and other project details.

The map below highlights the project area and the streets where construction will occur.



Proposed Recycled Water Distribution System



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