

# Robert A. Skinner

Water Treatment Plant Expansion

## Overview



During the next several years, Metropolitan Water District of Southern California will be involved in a major expansion project at its Robert A. Skinner Water Treatment Plant near Temecula. Besides increasing the capacity of the plant to treat drinking water, Metropolitan will be adding new treatment technologies to improve water quality. For residents in southwest Riverside County and San Diego County, these upgrades go a long way toward ensuring long-term supply reliability and higher water quality.

...at a glance

## Robert A. Skinner Water Treatment Plant

The Robert A. Skinner Water Treatment Plant is the primary source of drinking water for 4 million residents in Riverside and San Diego counties, one of California's fastest growing regions. Named after Robert A. Skinner, Metropolitan's fourth general manager, the plant was dedicated in 1976.

Adjacent to the plant is MWD's Lake Skinner, an important drinking water storage reservoir which also boasts a 6,000-acre regional recreational area that provides fishing, sailing, as well as horseback riding and hiking trails. The park has 270 camp

and recreational vehicle sites. The lake also hosts the annual Temecula Valley Balloon and Wine Festival and Metropolitan's Solar Cup competition, the district's education effort to increase student understanding of science and awareness of water quality issues.

The Southwestern Riverside County Multi-Species Reserve connects Diamond Valley Lake with Lake Skinner. The reserve totals 13,000-acres and protects at least eight types of habitat and 16 sensitive bird, animal and plant species. The reserve offers additional hiking and equestrian trails.

# Preparing

# for the Future

To meet the growing residential and business water needs in southern Riverside and San Diego counties, the following upgrades to the Skinner plant and Metropolitan's distribution system are under way:



- Increasing the plant's capacity to treat drinking water. This \$95 million project will boost the plant's capacity from 520 million gallons a day to 630 mgd. Besides increasing the amount of drinking water treated, the expansion provides operational flexibility, increases the amount of water available for groundwater recharge and improves system reliability. Contractor: Filanc; online mid-2007.
- Implementing ozone treatment, the latest technology to improve water quality, as the primary disinfectant at the Skinner plant. Ozone, which destroys a wider range of organisms while producing fewer disinfection byproducts, will help ensure Metropolitan's compliance with stringent drinking water standards. The \$230 million project also expands the plant's water reclamation capabilities. Contractors: Shimmick/Obayashi; online mid-2009.
- Expanding the plant's chemical facilities. Included in the \$113 million project is a variety of new chemical feed systems, chlorine containment facilities and tank farms. Contractor: Kiewit Pacific; online mid-2007.
- Building the North Reach of the San Diego Pipeline No. 6. The \$90 million seven-mile-long 10-foot diameter pipeline will provide groundwater recharge to the Temecula area and eventually provide additional supply capacity to San Diego County. Contractor: J.F. Shea; online late 2006

The Metropolitan Water District of Southern California is a cooperative of 26 cities and water agencies serving 18 million people in six counties from Ventura to the Mexican border. The district imports water from the Colorado River and Northern California to supplement local supplies, and helps its members to develop increased water conservation, recycling, storage and other water management programs.

## About Metropolitan

The Metropolitan Water District of Southern California is a state-chartered cooperative of 26 member agencies—cities and public water agencies—that serve about 18 million people in six counties. Metropolitan imports water from the Colorado River and Northern California to supplement local supplies, and helps its members to develop increased water conservation, recycling, storage and other resource-management programs.



## MISSION STATEMENT

The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high quality water to meet present and future needs in an environmentally and economically responsible way.

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