

Operations & Facilities

The San Gabriel Valley Municipal Water District was formed in 1959 after winning approval from the voters of Alhambra, Azusa, Monterey Park, and Sierra Madre. In anticipation of its long-term water needs, the Water District contracted with the State of California Department of Water Resources. The Water District is currently supplied 28,800 acre-feet of water through the State Water Project.



State Water Project

Water for the Main San Gabriel Basin is sourced from the State Water Project canal, also known as the California Aqueduct. Pumps and gravity help move the water from the higher mountains to our Basin.



Devil Canyon-Azusa Pipeline

Water coming from the State Water Project/California Aqueduct powers turbines in the Devil Canyon Power Plant near Lake Silverwood, and then enters the pipeline through the slidegate in the foreground.



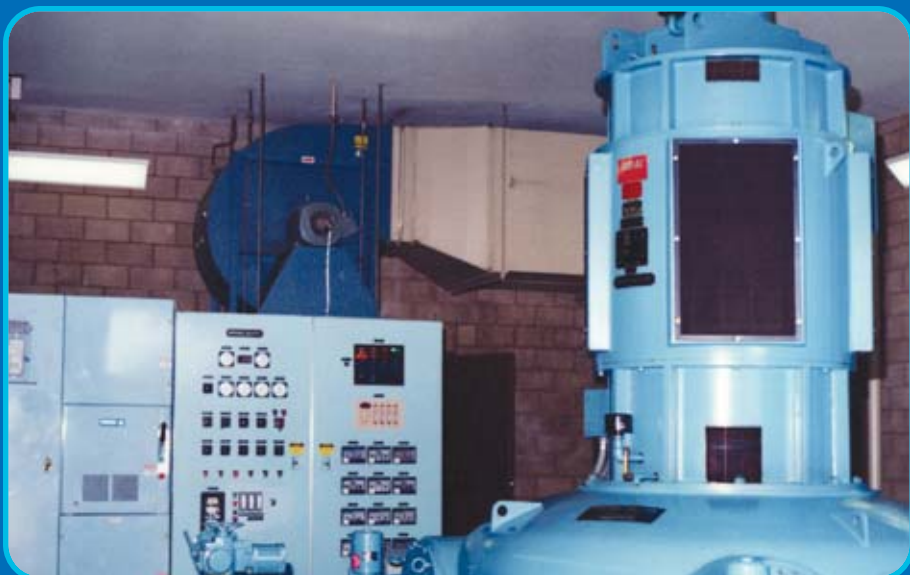
Turnouts Release Replacement Water

As replacement water flows from the State Water Project to our spreading grounds, the water is managed or controlled at several "turnouts," or pressure-reducing stations, along our pipeline.



Spreading Grounds

Spreading grounds are operated and maintained by the Los Angeles County Department of Public Works. Water percolates from the spreading grounds to re-charge underground aquifers.



Generating Electricity

A turbine engine, powered by water flowing in the pipeline, creates electricity. Built in 1985, this 1-megawatt generator produces enough electricity for over 500 homes each year. The revenue we receive through energy sales helps to offset our operating costs.



Water Treatment Facilities

We help our member cities by providing financial grants and loans for infrastructure projects that clean and purify their water supplies, and help them meet state and federal standards.

Water Saving Tips for Your H₂O ME

What One Person Can Do to Save Water
(and Money) at Home

Saves 0-25 Gallons/Day

Install faucet flow restrictors, low volume toilets and water-efficient appliances



Repair leaks in inside plumbing and external sprinkler systems promptly



Turn off the faucet when washing dishes, brushing teeth or shaving



Use a broom instead of a hose to clean driveways and sidewalks



Saves 25-50 Gallons/Day

Use a shut-off nozzle & water bucket to wash your car



Water lawn & plants in cooler morning or evening hours



Take shorter showers



Cover pools and spas



Saves 50+ Gallons/Day

Install drip irrigation systems, rotating sprinkler nozzles and "smart" sprinkler controllers



Landscape with drought-tolerant plants



Support efforts to expand water conservation and use of recycled water



Run only full loads in the dishwasher and washing machine



Water Saving Tips for Businesses

Whatever the size of your company, whatever your job, one person can make a big difference. These tips save 25-50 gallons of water a day, but can save hundreds or thousands of gallons (and dollars) per day if all employees work together.

Install faucet flow restrictors, low volume toilets and water-efficient appliances



Purchase water-efficient plant equipment and vehicle washing systems



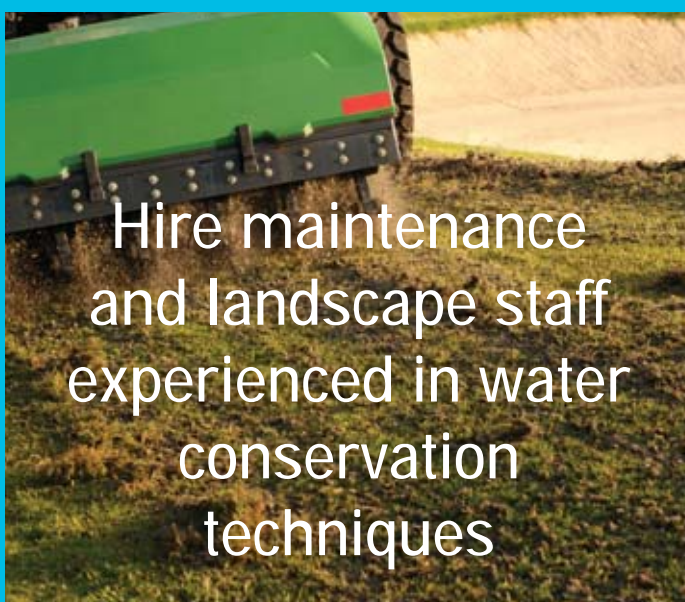
Repair leaks in inside plumbing and external sprinkler systems promptly



Run only full loads in office dishwashers and washing machines



Hire maintenance and landscape staff experienced in water conservation techniques



Water lawn & plants in cooler morning or evening hours



Install drip irrigation systems, rotating sprinkler nozzles and "smart" sprinkler controllers



Use a broom instead of a hose to clean driveways, sidewalks and parking lots



Landscape with drought-tolerant plants



Support efforts to expand water conservation and use of recycled water



Research equipment rebate programs



Increase employee awareness with signs, monitoring and awards



Investments in Technology, Infrastructure and Public Education

Alhambra

The Water District supports the City of Alhambra and its

Department of Utilities by providing a financial grant and zero interest loan to assist with construction of a water treatment facility.



Azusa

The Water District supports the City of Azusa by providing financial grants to

assist in water-saving projects. One innovative project is the development of an innovative and efficient splash park for children that uses a water recycling system that captures water and purifies it for re-use.



Monterey Park

The Water District supports the City of Monterey Park by providing a financial

grant and zero interest loan to assist with the design and construction of a water treatment facility. Contaminants in the area are believed to result from prior land uses which included agriculture and defense programs.



Sierra Madre

The Water District supports the City of Sierra Madre by providing

grants to enlarge and seismically retrofit their local reservoir. The Water District also provides the City with an emergency connection to the District's water supply.



Water Conservation and Public Education

We'd like you to meet H₂Owl, the conservation guru for our four member cities. With the help of partnering youth organizations, he'll be visiting schools, parks, shopping centers and more to promote water awareness and

conservation. If you would like him to visit your school or group, please call the District at 626-969-7911.



Annual Ultra-Low Flush Toilet Giveaways

Each year, residents of our member cities are able to receive a free water-efficient toilet donated by the District (units retail for more than \$200). Since the program began in 2001, the District has donated more than \$125,000 to service organizations in our member cities who help us operate the give-away program.



FLUSH FACT: If you replace a post-1980 model that uses 3.5 gallons per flush, you'll save 1.9 gallons per flush or 54%

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