

What has the Calleguas service area done to reduce its need for imported water?



We have become much less dependent on imported water supplies

In 1990, the population of Calleguas' service area was 450,000 and the annual demand for imported water was 110,000 acre-feet. In 2015, the population was 630,000 and the demand was 87,000 acre feet. This dramatic reduction in the per capita consumption of imported water is the result of significant local investments in groundwater treatment projects, recycling of wastewater, and water use efficiency measures. Now each person uses 56% of the imported water they did 25 years ago.



Daily per capita imported water use in Calleguas' service area

Development of Local Water Supplies

In the past 25 years, Calleguas and its retail agencies have invested well over \$300 million in infrastructure to produce, treat, store, and deliver local water supplies.

Treatment of Poor Quality Groundwater

Ventura County has abundant sources of groundwater, but much of it is too high in salts for municipal and agricultural use.

Calleguas is halfway through construction of the 35 mile long, \$200 million Salinity Management Pipeline (SMP) that facilitates construction of groundwater desalters to make use of salty groundwater. The SMP collects salty water (brine) generated by groundwater desalting facilities and conveys that water for safe discharge to the ocean, where natural salt levels are higher.

As shown on the map below, two desalters currently discharge to the SMP, one in Port Hueneme and another near Cal State Channel Islands. Additional desalters are planned in Camarillo, Somis, Moorpark, Thousand Oaks, and Simi Valley. In the future, the SMP will facilitate the development of potable reuse projects to maximize the use of available water supplies.



Recycled Water

A large percentage of the recycled water produced within the Calleguas service area is used to replenish downstream groundwater basins. However, Calleguas and water agencies in Camarillo, Moorpark, Oxnard, Simi Valley, Thousand Oaks, and the unincorporated areas of Oak Park and the Santa Rosa Valley have also built treatment facilities, pipes, pump stations, and reservoirs to deliver high quality recycled water to urban and agricultural customers. Collectively, these projects generate 6,000 acre feet of highly treated recycled water each year. By the year 2040, recycled water deliveries are projected to increase to nearly 13,000 acre feet per year.



Water Use Efficiency Measures & Public Outreach

Calleguas works closely with its retail purveyors and the Metropolitan Water District of Southern California to offer a variety of water conservation programs for residential, commercial, and industrial water users.

In fiscal year 2015, Calleguas budgeted \$2.625 million for residential turf removal rebates within its service area. These funds, in addition to funding provided by Metropolitan, resulted in the removal of over 10 million square feet of thirsty turf within the Calleguas service area. By the time all turf removal applications are fulfilled, nearly 15 million square feet of turf will be removed. This is equivalent to roughly 30 percent of the total amount of turf Governor Jerry Brown targeted for removal statewide in his April 1, 2015 executive order that, for the first time in state history, directed statewide mandatory water use reduction targets.

Other rebate programs that are typically supplemented by Calleguas include:

- High-efficiency washing machine rebates
- Premium high-efficiency toilets
- Weather-based evapotranspiration irrigation controllers
- Low-flow rotating sprinkler nozzles

Through a variety of activities, Calleguas promotes public

awareness of water resource issues and encourages a greater measure of water use efficiency within the community. District staff routinely provides presentations on state and regional water issues to local political bodies and community and service organizations, maintains a robust social media presence as part of its communications strategy, conducts facility tours, and frequently publishes large, full-color display advertisements in local newspapers promoting the availability of consumer rebates for water saving devices.

In addition, the district has hosted semiannual native plant sales and information fairs to promote the use of California-Friendly landscaping and turf alternatives, graywater and rainwater capture workshops in conjunction with the County of Ventura, and financed development of the *California True Colors Garden and Learning Center* in the City of Thousand Oaks.

Investment through Metropolitan Water District

The Calleguas service area invests in local resource development and water use efficiency through its payment of a water stewardship fee to Metropolitan Water District of Southern California. For Calleguas, this fee totaled \$3.6 million in 2015. With revenues collected from this fee, Metropolitan funds a variety of programs that benefit their entire service area.

Metropolitan has sponsored hardware rebate and retrofit programs. Its web site, www.bewaterwise.com, provides access to these programs also offers detailed information on a variety of other water use efficiency programs.

Through Metropolitan's local resources grant funding program, it provides money for local resources projects which would not otherwise be cost effective. Examples include water recycling, groundwater treatment, and desalination.

Since 1990, Metropolitan has invested \$1 billion in these programs.

