WEST BASIN

Municipal Water District

Water for Tomorrow

Director Scott Houston

April 16, 2025

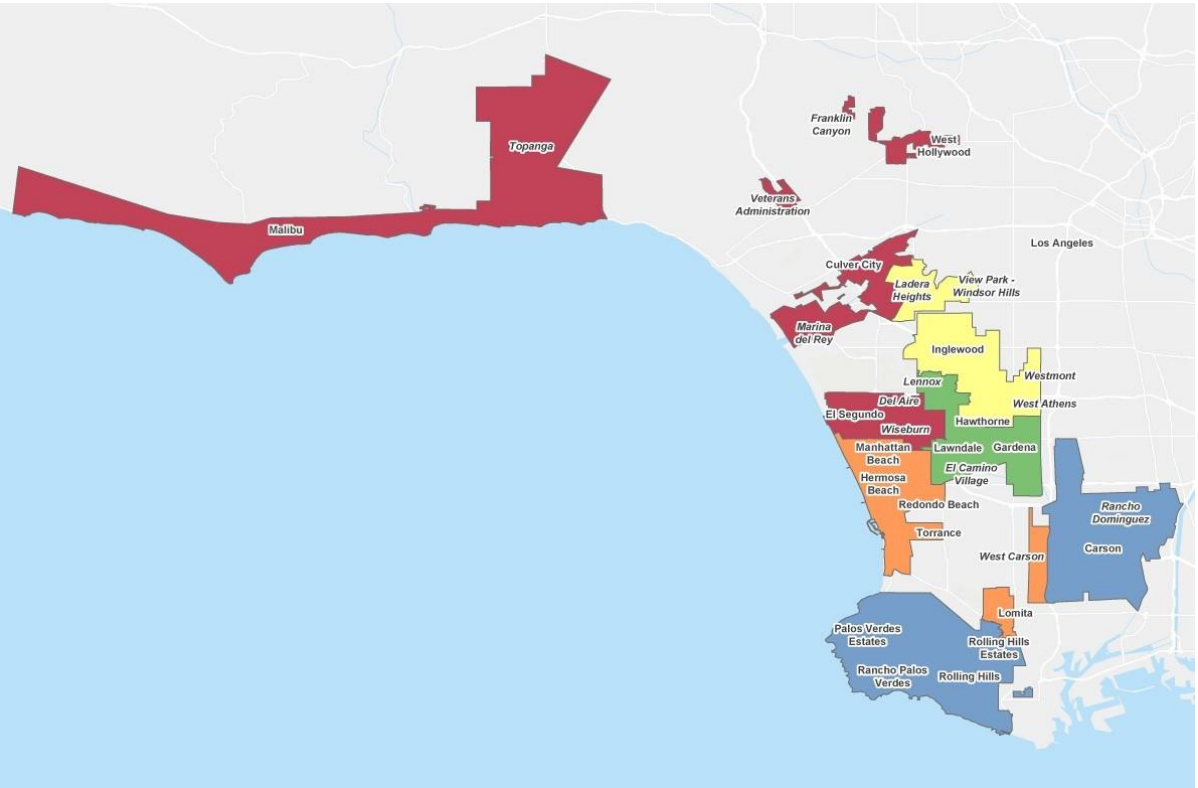
www.westbasin.org



Mission

Provide a **safe** and **reliable** supply of **high-quality water** to the communities we serve.

Service Area



Division I
Carson, Palos Verdes Estates, Rancho Palos Verdes, Rolling Hills, Rolling Hills Estates, and the unincorporated LA County areas of Rancho Dominguez

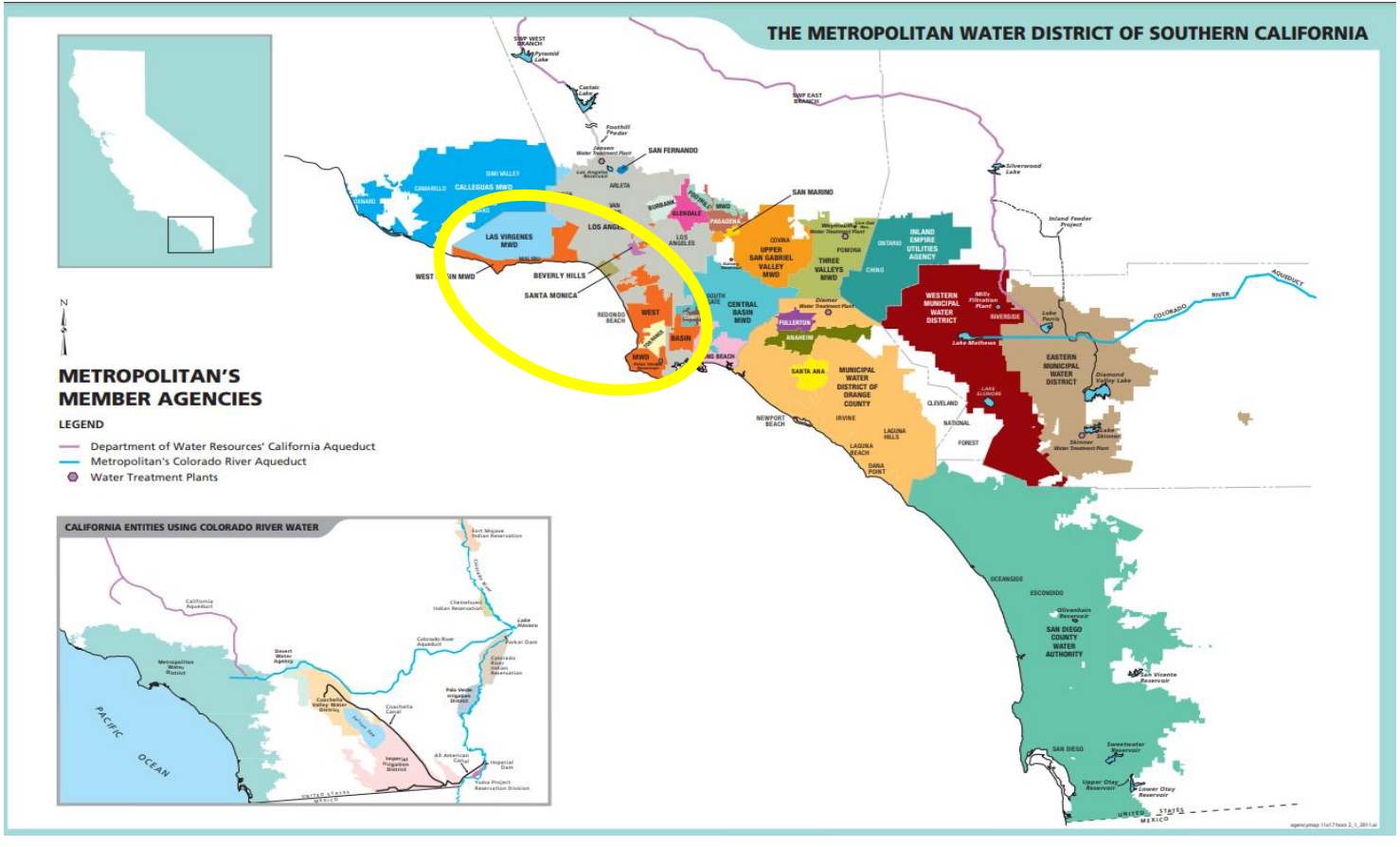
Division II
Inglewood, portions of the cities of Gardena and Hawthorne, and the unincorporated LA County areas of Ladera Heights, View Park-Windsor Hills, West Athens, and Westmont

Division III
Hermosa Beach, Lomita, Manhattan Beach, Redondo Beach, a portion of the city of Torrance, and the unincorporated LA County area of West Carson

Division IV
Culver City, El Segundo, Malibu, West Hollywood, a portion of the city of Hawthorne, and the unincorporated LA County areas of Del Aire, Marina del Rey, Topanga, and Wiseburn

Division V
Lawndale, portions of the cities of Gardena and Hawthorne, and the unincorporated LA County area of El Camino Village and Lennox

Metropolitan Member Agencies



West Basin Drinking Water Purveyors/Retailers















Golden State
Water Company
A Subsidiary of American States Water Company

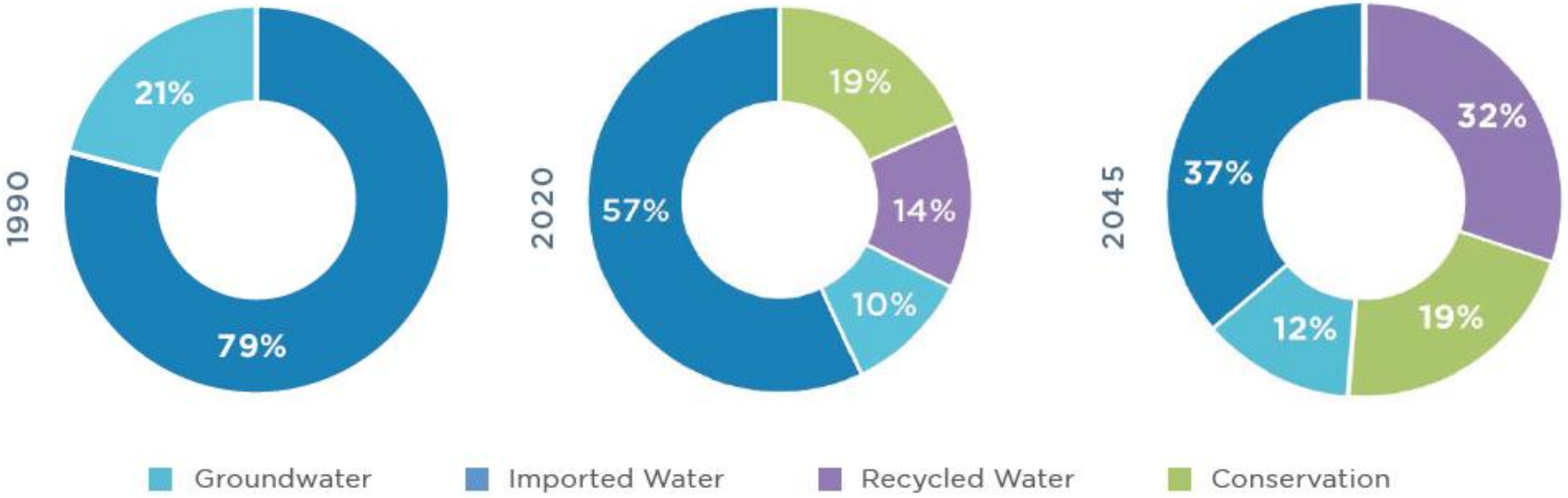




Our Supply



Water in the West Basin Service Area



Where Does Our Imported Water Come From?



- Sierra Nevada Mountains
- Sacramento-San Joaquin Bay/Delta

- State Water Project (Calif. Aqueduct, ~700 mi.)
- Colorado River Aqueduct (~240 mi.)
- Los Angeles Aqueduct (for City of L.A.)

- Local Groundwater/Recycled Water
- Metropolitan Water District Service Area

State Water Project - Rebound



The California Aqueduct. Photo source: Maven's Notebook



Colorado River Challenges

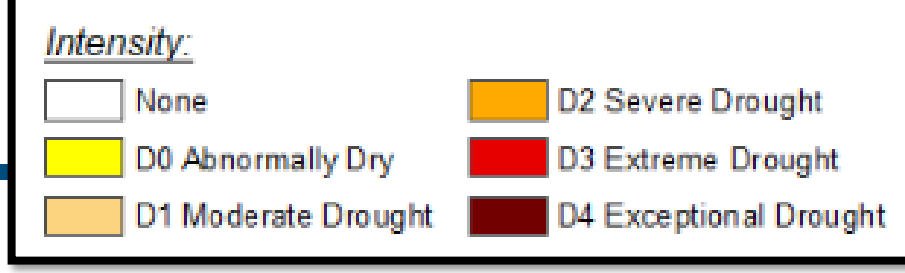




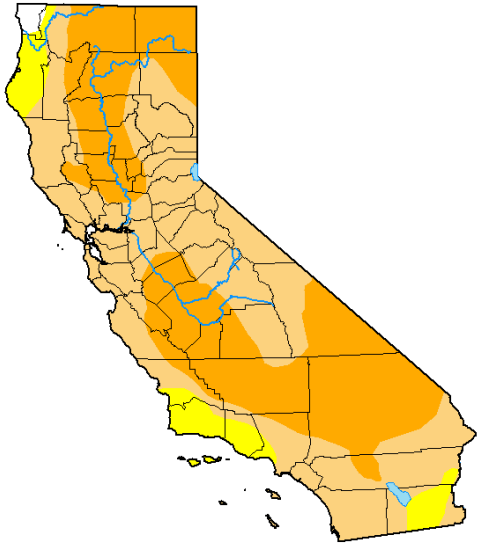


Lake Mead

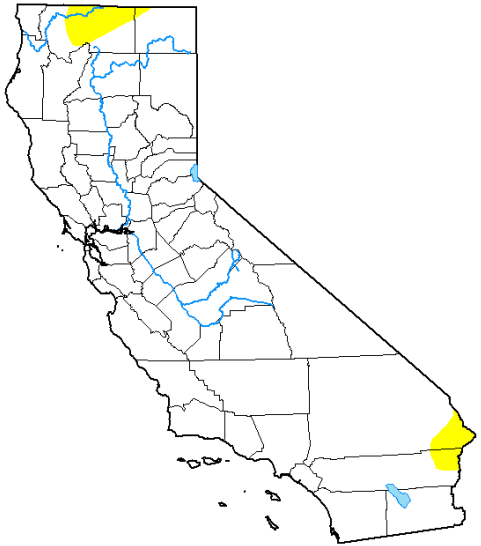
Drought Monitor



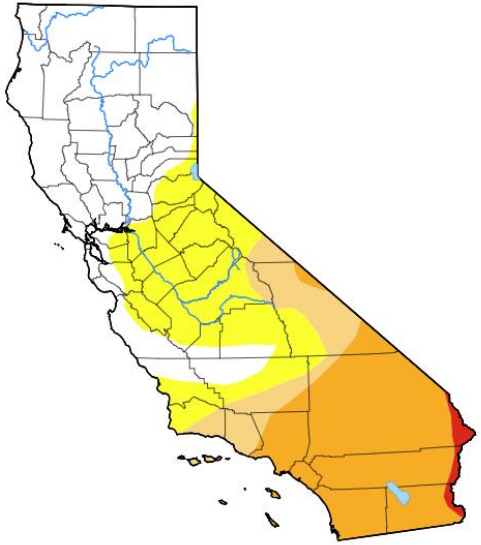
January 2023



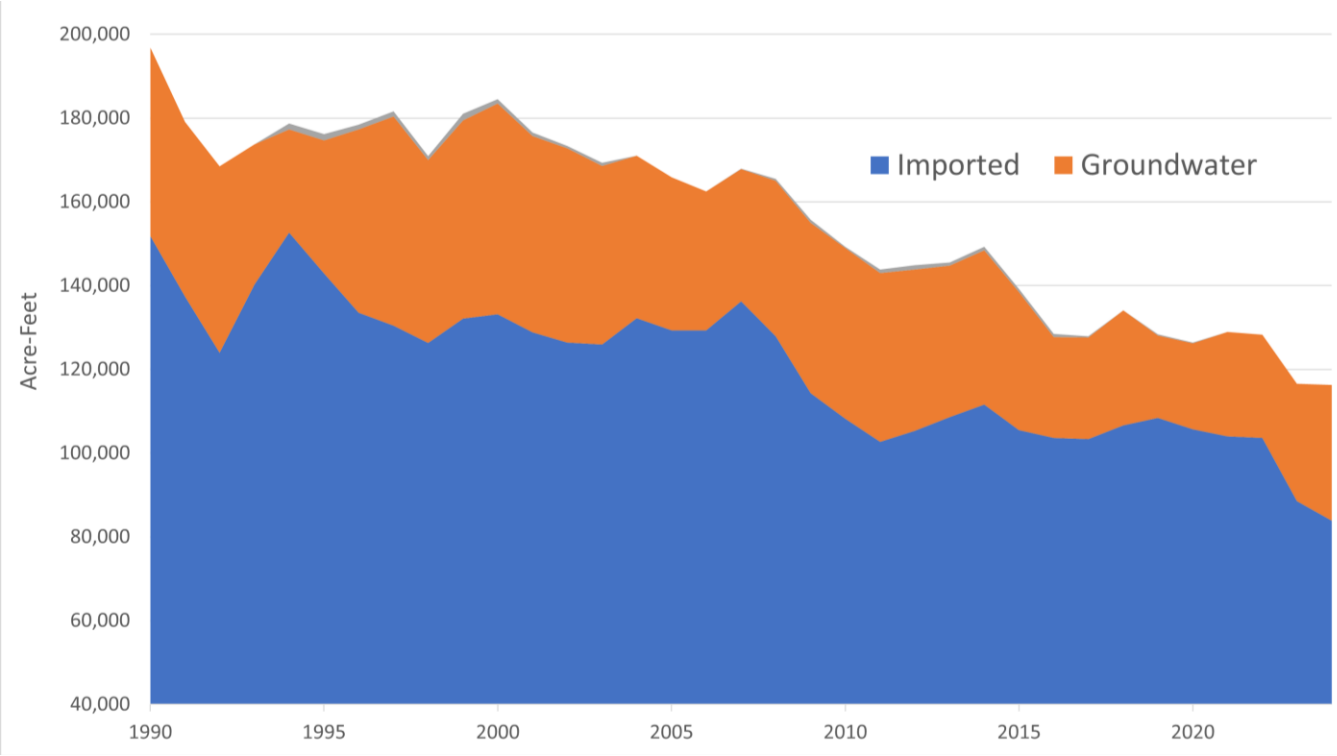
January 2024



January 2025

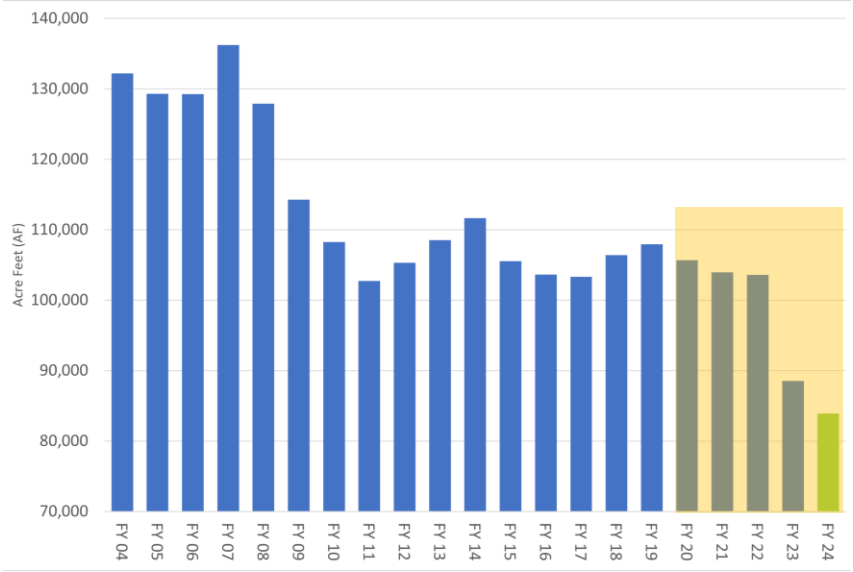


Service Area Drinking Water Demand Since 1990

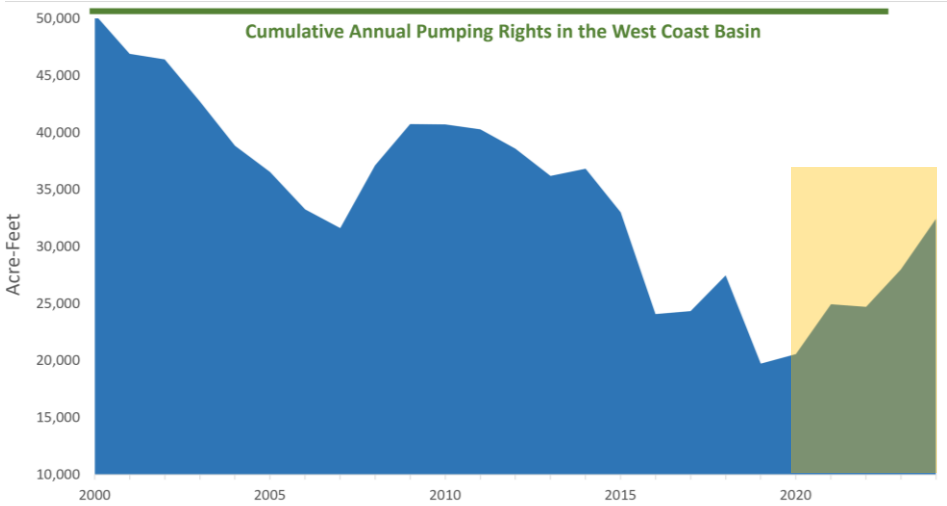


Relationship Between Imported Demand and Groundwater Use

Imported Water Demand

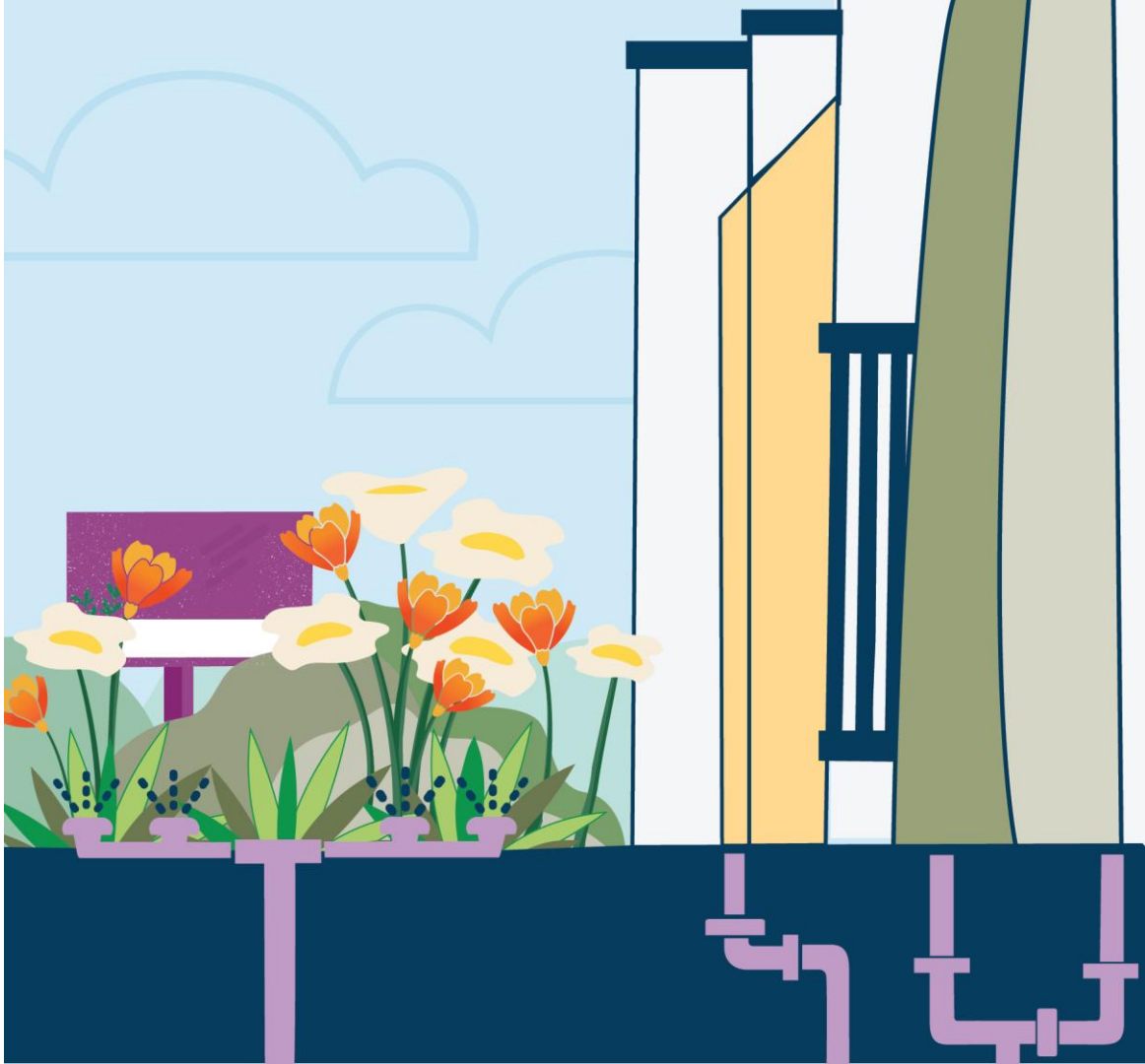


Groundwater Production Trends



Water Recycling

Diversifying the Water Supply Portfolio



Water Recycling



Edward C. Little Water Recycling Facility
El Segundo, Calif.

- **30-40 million gallons per day** produced and prevented from entering the ocean
- **Five** types of recycled water
- Over **13,000 visitors** annually

Recycling Saves Water for Drinking

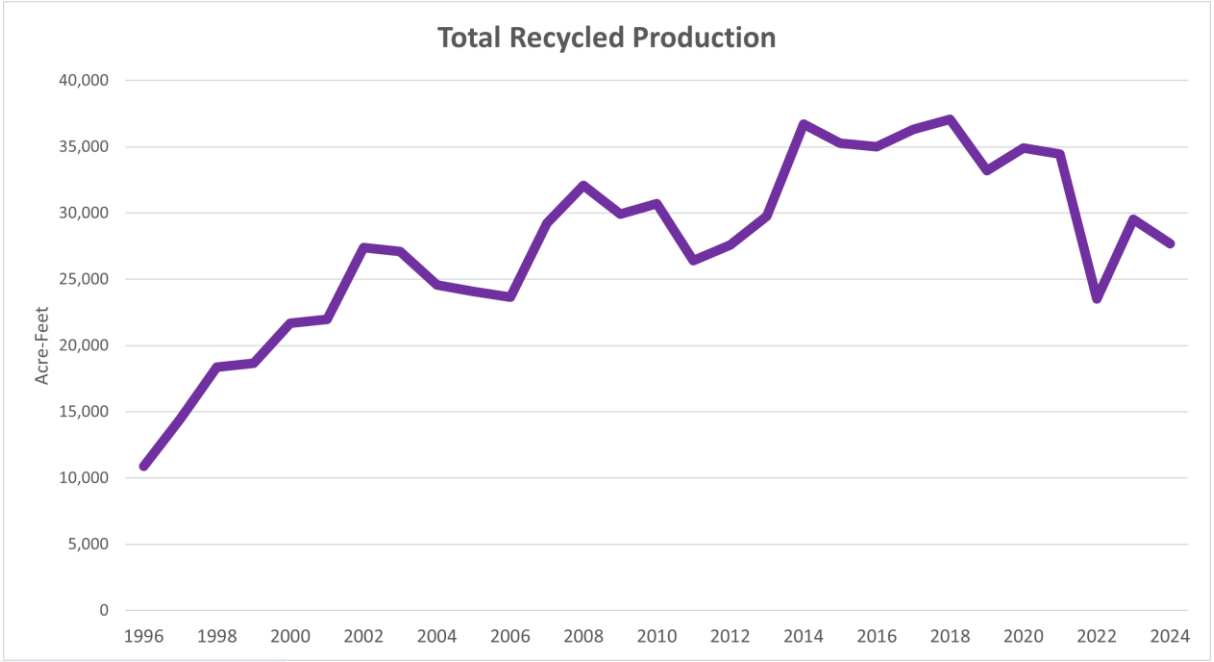


Edward C. Little Water Recycling Facility
El Segundo, Calif.

BENEFITS OF RECYCLED WATER

- **Local, reliable, drought-resilient**
- Supports important **regional industries**
- **Conserves drinking water** for residential use
- Uses significantly **less energy** than imported water
- **Improves ocean water quality** by reducing local sewer water discharges
- Contributes to the **protection** of our groundwater basin **from seawater intrusion**

Water Recycling



Celebrating a Milestone

250 BILLION

Gallons of Recycled Water Produced

West Basin has saved enough drinking water for **8.3 million** people for one year!

5 Types of Recycled Water



Irrigation Water
Filtered and disinfected for industrial and irrigation use.



Cooling Tower Water
Processed to remove ammonia for industrial cooling tower use.



Low-Pressure Boiler Feed Water
Membrane filtration and reverse osmosis membranes



High-Pressure Boiler Feed Water
Membrane filtration and passed through reverse osmosis membranes twice



Groundwater Replenishment Water
Membrane filtration, reverse osmosis, and disinfection for use in a barrier against seawater intrusion, augmenting local well water supplies.

Recycled Water Customers











































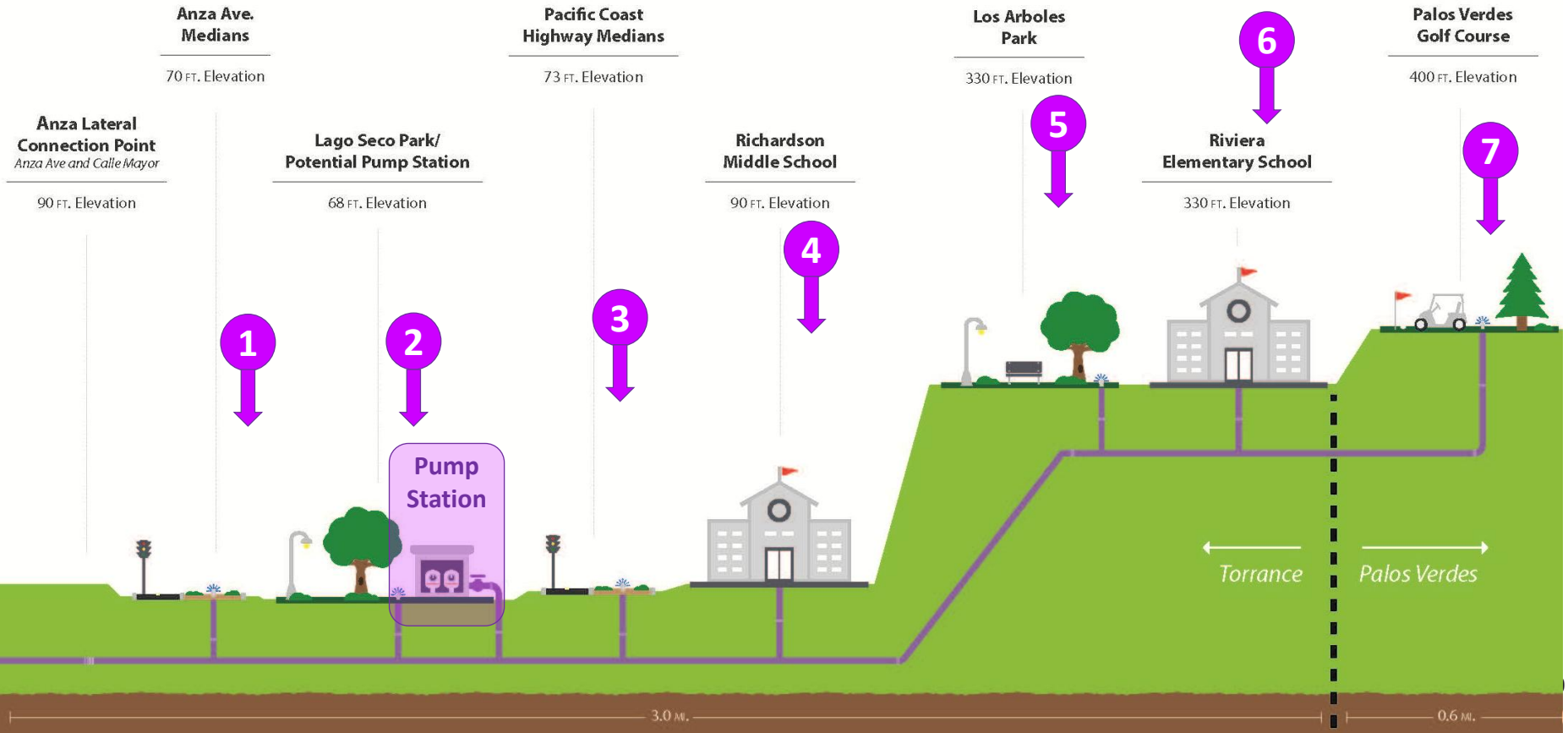






The Palos Verdes Recycled Water Pipeline Project

www.westbasin.org/pvlateral



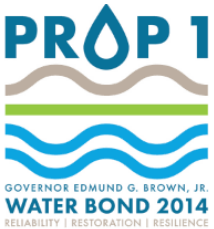
Project Funding Partners



















Water Use Efficiency

Be SUPER-CALI-FRUGALISTIC!



Get Paid $3 per Square Foot of Grass Replaced



Commercial Grass Replacement Program



Get Paid $3
per Square Foot of Grass Replaced

- Up to *50,000 square feet*
- Up to a *$150,000 rebate*

West Basin Municipal Water District

Public Agency Grass Replacement Rebate Program

Rebates start at $4

Landscape design assistance

Projects up to 200,000 square feet

Eligible public agencies include any federal, state, regional, local governmental entity:

- city-owned landscapes, parks, schools
- special districts
- joint power authorities
- agencies or departments



Before

After

Water Bottle Filling Station Grant Program

West Basin Municipal Water District

Water Bottle Filling Station Grant Program



West Basin provides grant funding to use toward the purchase of eco-friendly water bottle filling stations at public facilities. This program provides the community with access to safe, reliable tap water to fill personal, reusable water bottles.



Wall-mounted stations
Indoor or outdoor
Eligible for funding up to $1,000

To be eligible, applicants must:

- Own or operate a public facility (e.g., city, school, community center, park, recreation area, etc.).
- Be located in the West Basin service area.
- Meet all specified criteria and fulfill application requirements.



Pedestal stations
Outdoor only
Eligible for funding up to $2,000

Apply Now!
For program guidelines and application, visit:
westbasin.org/fillingstations

Program funding is available on a first-come, first-served basis for eligible entities.

Board of Directors

Harold C. Williams	Gloria D. Gray	Desi Alvarez	Scott Houston	Donald L. Dear
Division I	Division II	Division III	Division IV	Division V

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West Basin offers public agency grants of up to $2,000 for the purchase of indoor or outdoor water bottle filling stations





Additional Resources

West Basin Municipal Water District
www.westbasin.org/conservation

Metropolitan Water District
www.bewaterwise.com

SoCal Water Smart
www.socalwatersmart.com

Community Programs



West Basin Water Lab – A Learning Experience

WATER LAB

www.westbasin.org/water-lab



Know Your H_2O Class Series



Water Recycling Facility Tours



Field Trips & Student Resources



Community Update Program (Speakers Bureau)



Garden Design Workshops (MWD)

Rain Barrel Program

Free Giveaway Events

- Register for one of our five annual events
- 1,500 total rain barrels distributed every year
- Valued at about $80 each
- Save water and money!



Final Event of 2025

- Palos Verdes Peninsula High School/Rolling Hills Estates
- January 25, 2025
- 8–11 AM

Before a Fire/Emergency – Planning & Preparation



Identify high-risk landscapes

Recommended plants and building materials to help minimize damage

Tips for reducing fire risk

Make homes firefighter-accessible

www.westbasin.org/firescaping





Planning/Preparation Resources

Firescaping Workshops

Landscape Design Classes

Plant and Tree Databases

Irrigation Best Practices

Turf Replacement & Device Rebates



The Future of the West Basin Recycled Water Program





LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources



LA DWP
Los Angeles
Department of
Water & Power

environment
LA SANITATION
CITY OF LOS ANGELES



WRD



Scott Houston,
West Basin Board of Directors

info@scotthouston.org

Connect with us

www.westbasin.org

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West Basin Municipal Water District