



WEST BASIN

Municipal Water District

West Basin Drought & Programs Update

Culver City Council Meeting
September 19, 2022

www.westbasin.org



LET'S
MAKE
CULVER CITY
SUPER-
CALI-
FRUGALISTIC

Save Water. Save California.

Mission



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

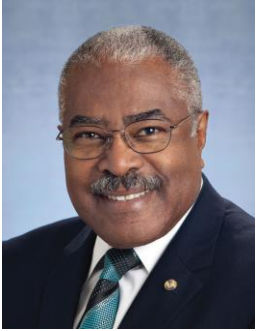
75th Anniversary (1947-2022)



West Basin was **formed in 1947 to make local water supplies more reliable** through the identification of new water sources and protection of local groundwater sources.

Today, the District remains committed to its mission of water reliability.

Board of Directors



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Immediate Past
President



Division II

Gloria D. Gray
Secretary



Division III

Desi Alvarez
Treasurer



Division IV

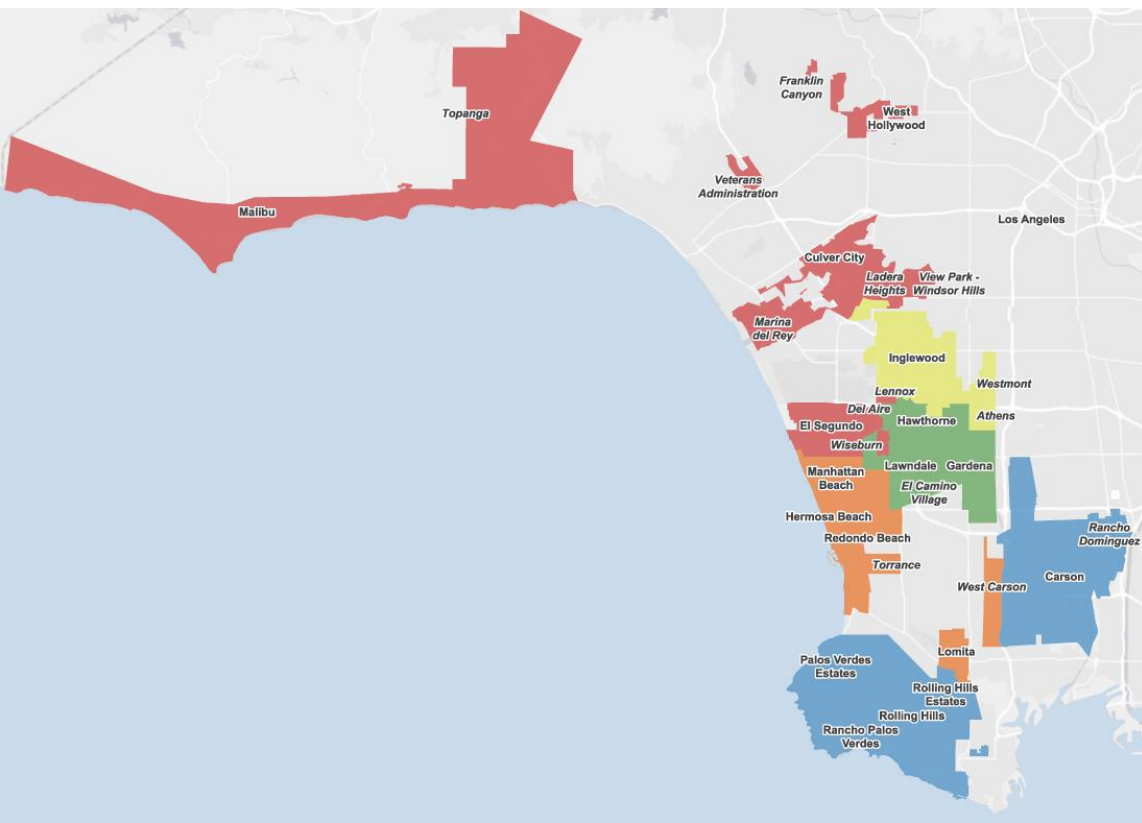
Scott Houston
Vice President



Division V

Donald L. Dear
President

Service Area



Division I

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

Division II

Inglewood, and unincorporated LA County areas of Lennox, South Ladera Heights, West Athens, and Westmont

Division III

Hermosa Beach, Lomita, Manhattan Beach, Redondo Beach, portion of Torrance and West Carson

Division IV

Culver City, El Segundo, Malibu, West Hollywood, and unincorporated LA County areas of Del Aire, Lennox, Marina del Rey, North Ladera Heights, Topanga, View Park - Windsor Hills and Wiseburn




Division V

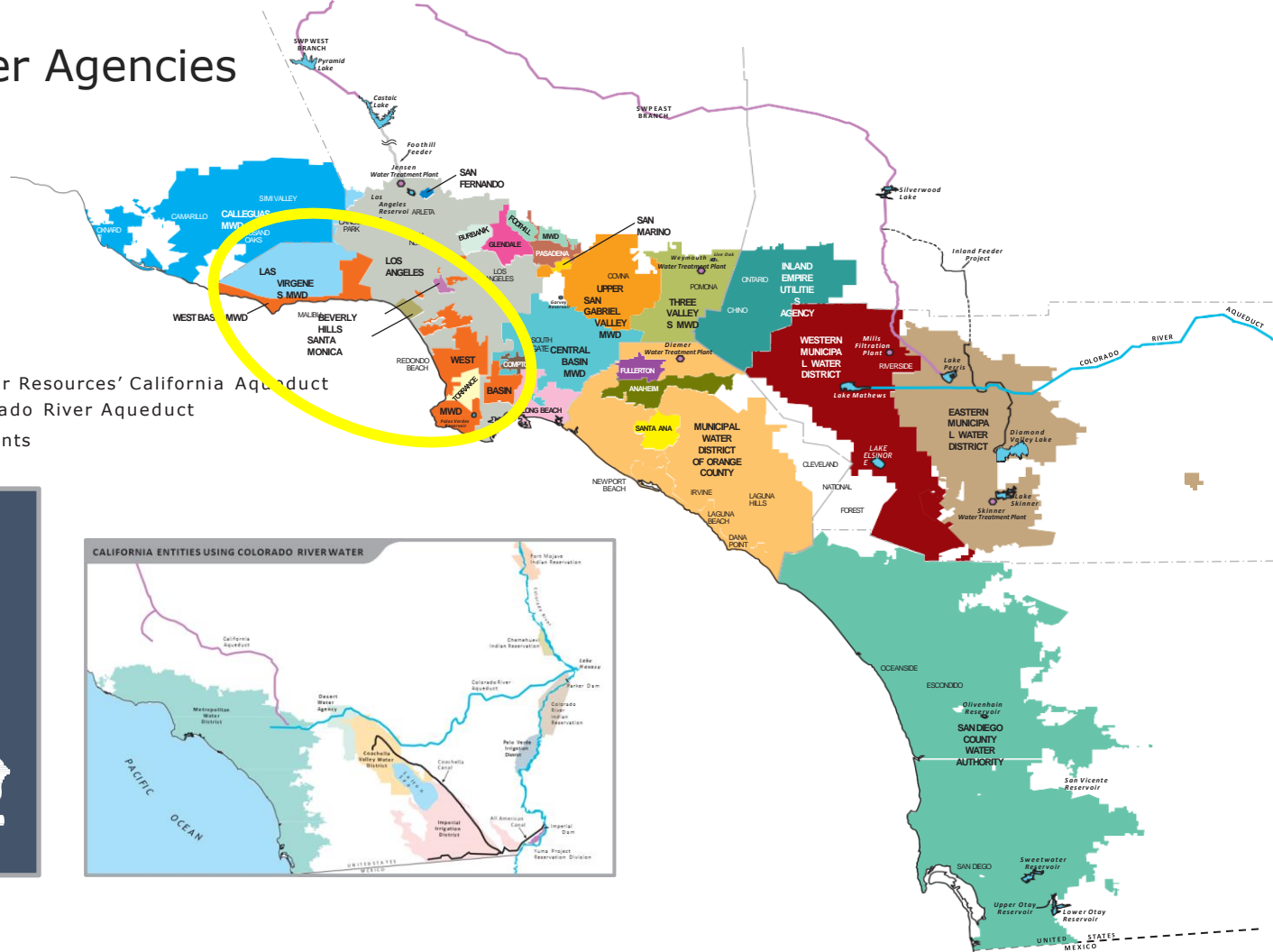
Gardena, Hawthorne, Lawndale, and unincorporated LA County area of El Camino Village

MWD Member Agencies

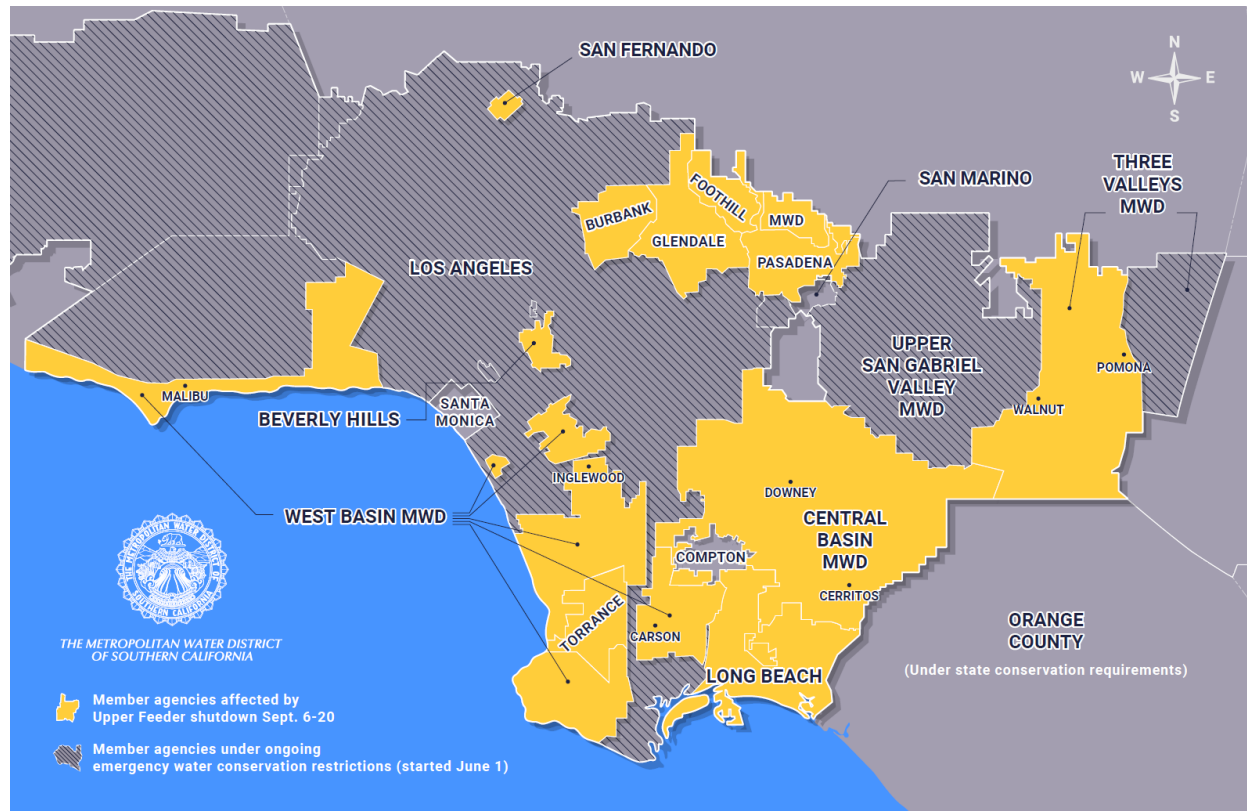


LEGEND

-  Department of Water Resources' California Aqueduct
-  Metropolitan's Colorado River Aqueduct
-  Water Treatment Plants



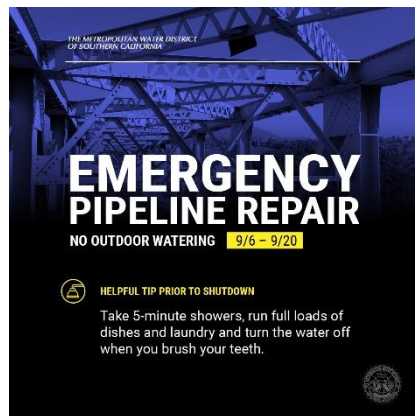
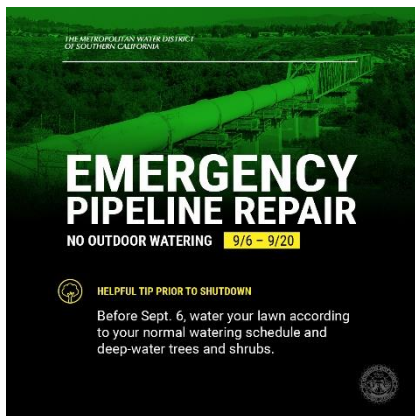
Upper Feeder Pipeline Repair Project



West Basin calling for
No Outdoor Watering
Sept. 6-20

Communities in yellow are
impacted by shutdown

Community Awareness: Social Media and Paid Advertising Campaign





Emergency Repair To Major Metropolitan Water Pipeline

**URGENT CALL FOR NO OUTDOOR WATERING
September 6-20, 2022**

Understanding the Shutdown

A large pipeline delivering Colorado River water to a central part of the Metropolitan Water District service area – including parts of your district – will be undergoing an urgent repair starting Sept. 6. The repair requires Metropolitan to take the pipeline out of service through Sept. 20.

The Impact on Communities

All affected communities are being called on to suspend outdoor watering for 15 days. Metropolitan is working closely with its member agencies, local retailers, residents, businesses and local elected offices to communicate this message and provide important resources to the public.


Who is Affected?

The following cities and agencies are under the water-saving request. Check with the local water provider for specific outdoor watering restrictions.


- Beverly Hills
- Burbank
- Glendale
- Long Beach
- Pasadena
- San Fernando
- Torrance
- Central Basin MWD
- Foothill MWD
- Three Valleys MWD
- West Basin MWD

For a list of cities within each municipal water district, [click here](#)


For questions, please contact communityrelations@mwdd2o.com or visit mwdd2o.com/shutdown



Emergency: Water Pipeline Repair



URGENT CALL FOR NO OUTDOOR WATERING DURING PIPELINE REPAIR Sept. 6 - 20



Starting Tuesday, Sept. 6, a critical pipeline delivering water to large portions of Los Angeles County will be temporarily shut off until Sept. 20 for emergency repairs. To stretch limited water supplies, residents and businesses in the area served by this pipeline will be called to suspend all outdoor watering for 15 days until the pipeline is repaired and back in service.

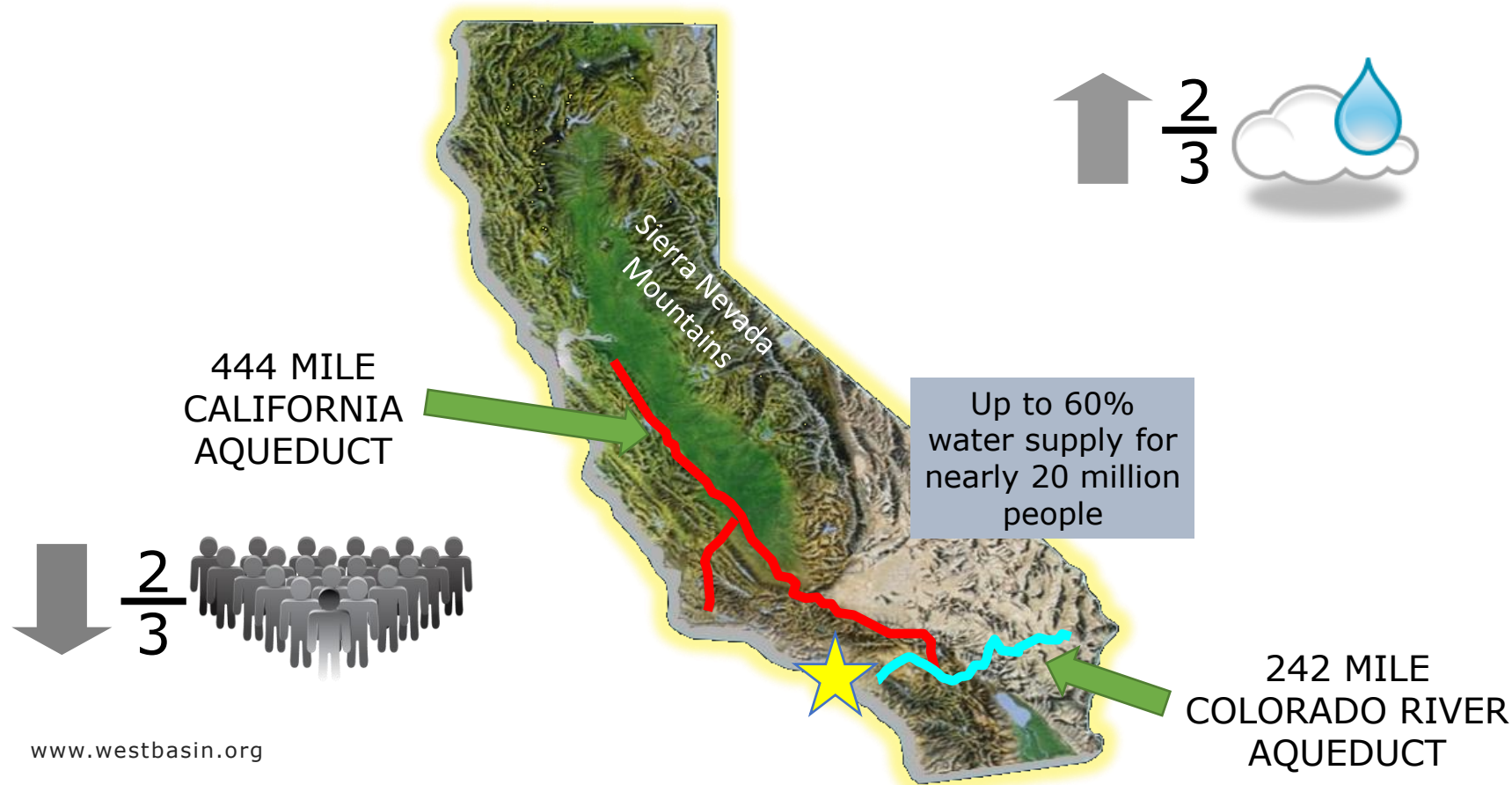
Tips for the Shutdown:

- Set sprinkler timer to "OFF" position on Sept. 5
- Do not mow your lawn. Longer blades keep in moisture.
- Delay new plantings until after Sept. 20
- Use shower or sink water to hand water sensitive outdoor plants

For the latest information on the pipeline repair visit:

www.mwdh2o.com/shutdown

Where Does Our Imported Water Come From?

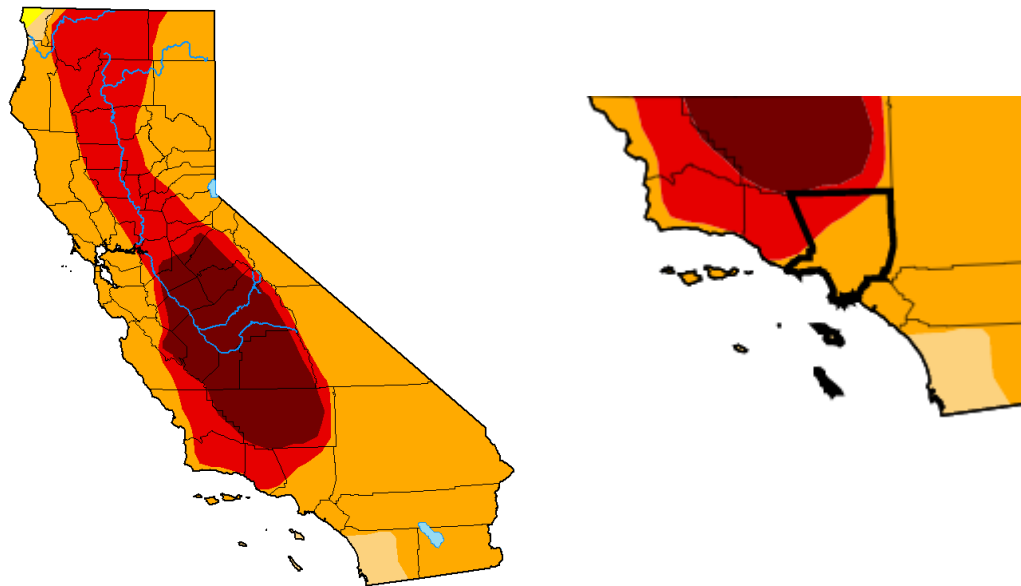


Drought Update – How Bad Is It?

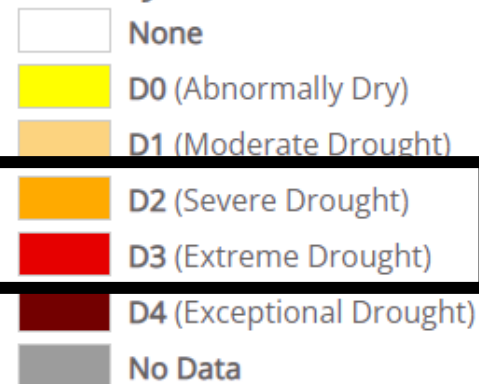


- California is in third consecutive year of drought
- According to U.S. Drought Monitor, nearly 98% of CA is in severe drought
- All 58 Counties under state-mandated drought emergencies since last year
- January-June 2022 were the **driest first six months of the year** in CA history

U.S. Drought Monitor – Sept. 8, 2022



Intensity



Megadrought

The New York Times

*How Bad Is the Western Drought?
Worst in 12 Centuries, Study Finds.*

Fueled by climate change, the drought that started in 2000 is now the driest two decades since 800 A.D.

The Washington Post

Southwest drought is the most extreme in 1,200 years, study finds

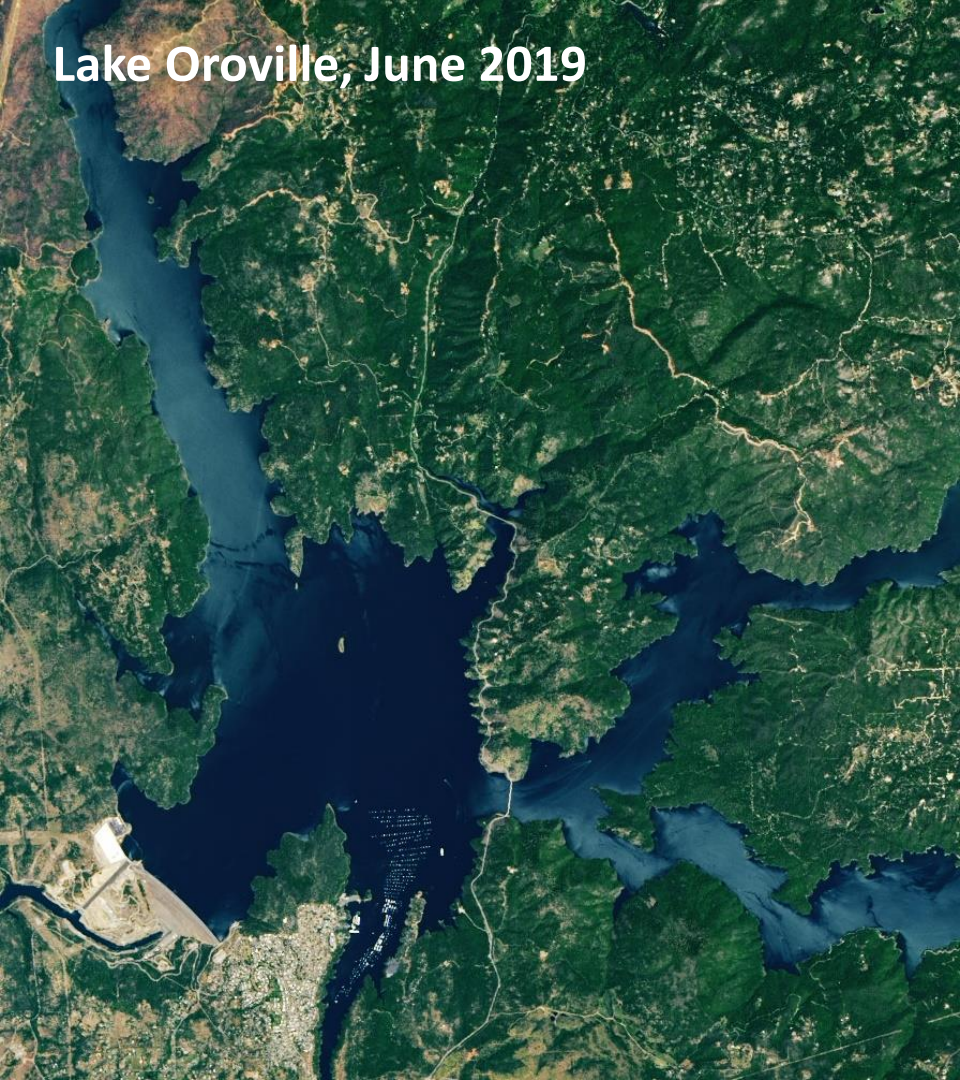
Los Angeles Times



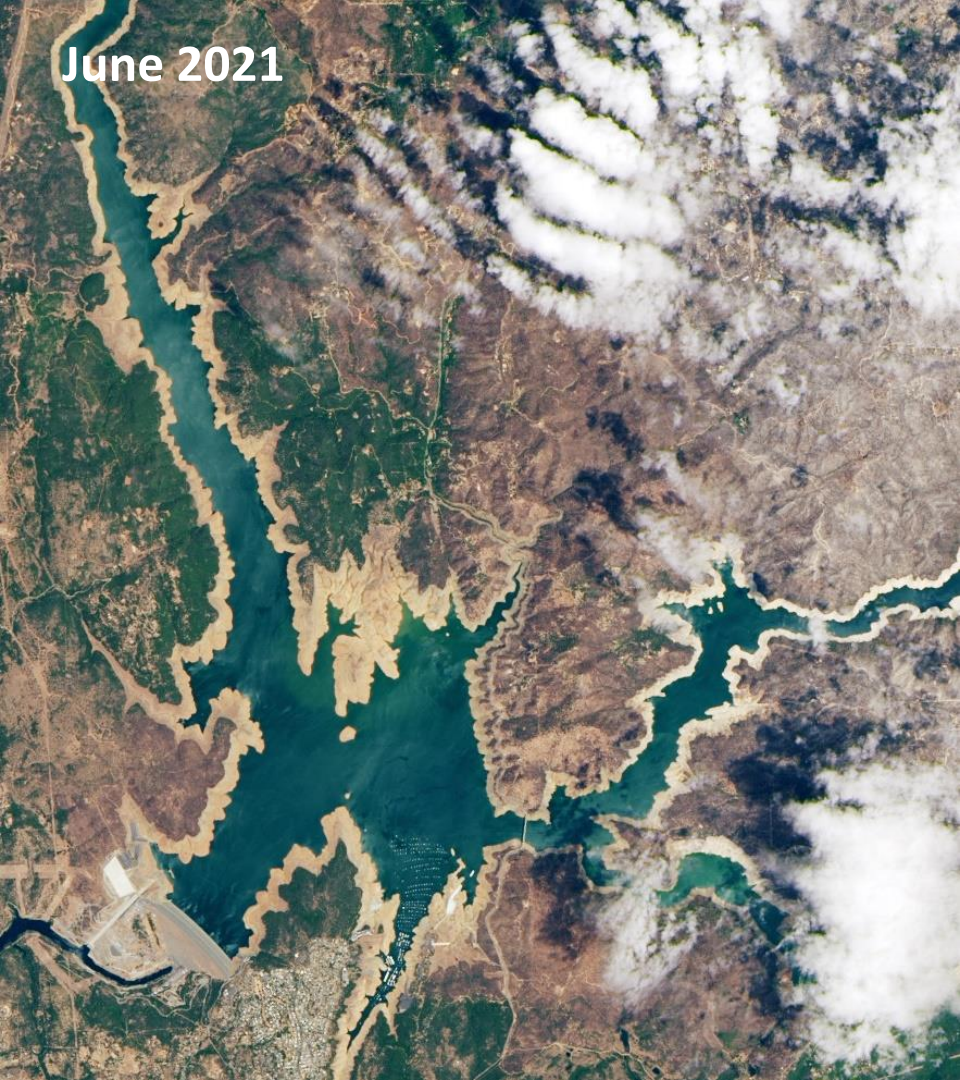
TREE STUMPS in the ghost town of St. Thomas, Nev., which resurfaced as Lake Mead's water receded. LUIS SINCO Los Angeles Times

This Western megadrought
is the worst in a millennium

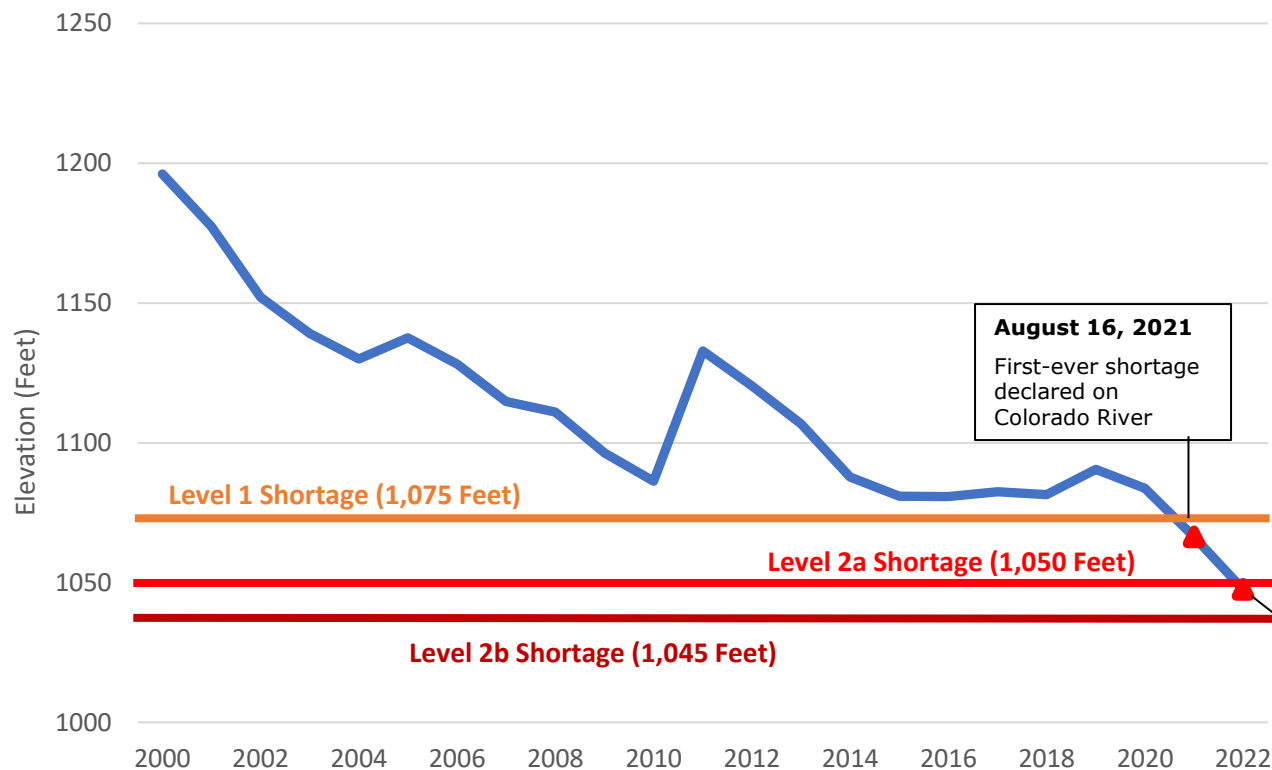
Lake Oroville, June 2019



June 2021



Lake Mead Storage Levels



- Arizona and Nevada received supply cuts in 2022, 2023
- If elevation drops to below 1,045 feet (Level 2b shortage), CA would have deliveries reduced
- Colorado River states must present plan to reduce dependence on CRA by 2-4 MAF over next couple of years

Water Shortage Contingency Plan – Shortage Level Three



Board Action:

Declared Shortage Level Three on Nov. 22, 2021

Based On:

- Continued drought
- Voluntary conservation targets
- Initial SWP allocation of 0%
- MWD regional drought emerg.
- Statewide drought emerg.
- Colorado River shortage
- Need for proactive measures

SHORTAGE LEVEL	PERCENT SHORTAGE RANGE	SHORTAGE RESPONSE ACTIONS
1	Up to 10%	At this shortage level, West Basin will implement one or more of the following shortage response actions: <ul style="list-style-type: none">- Call for voluntary retailer water-use reductions- Call for voluntary retailer use of non-imported potable sources- Implement additional conservation/water-efficiency programs- Deploy public outreach and communications measures- Implement mandatory retailer water-use reductions (in West Basin's DRP)
2	10-20%	At this shortage level, West Basin will implement and expand one or more of the shortage response actions listed for Level 1 to achieve a demand reduction target of up to 20%
3	21-30%	At this shortage level, West Basin will implement and expand one or more of the shortage response actions listed for Stage 1 to achieve demand reduction target of 30%.

Statewide Prohibitions on Wasteful Water Uses

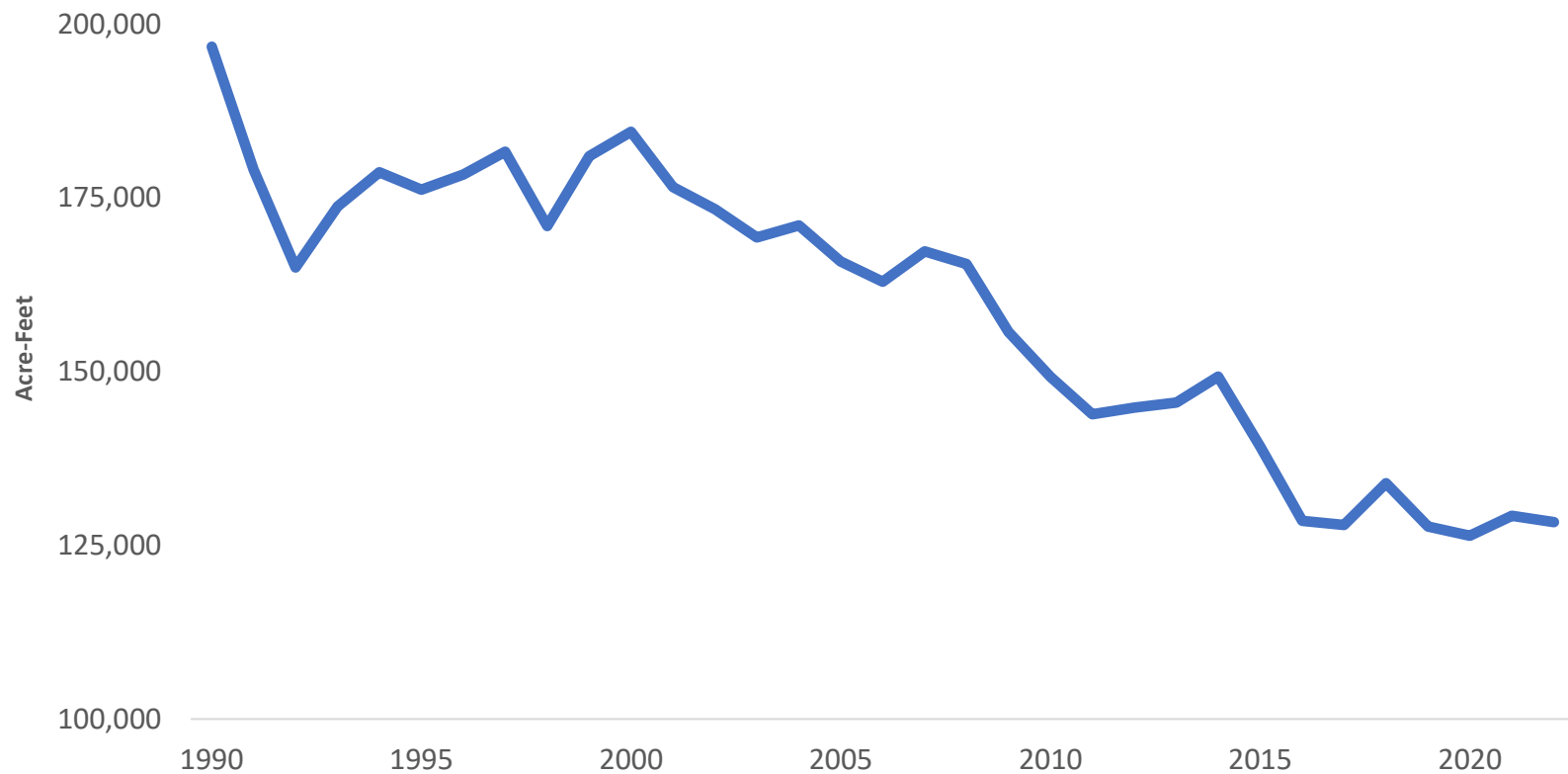
- Outdoor watering that allows water to run onto sidewalks and other areas
- Washing vehicles without an automatic shutoff nozzle
- Washing hard surfaces like driveways or sidewalks that don't absorb water
- Street cleaning or construction site preparation
- Filling decorative fountains, lakes, or ponds
- Outdoor watering within 48 hours after it rains at least $\frac{1}{4}$ inch of rainfall
- Watering ornamental turf on public medians



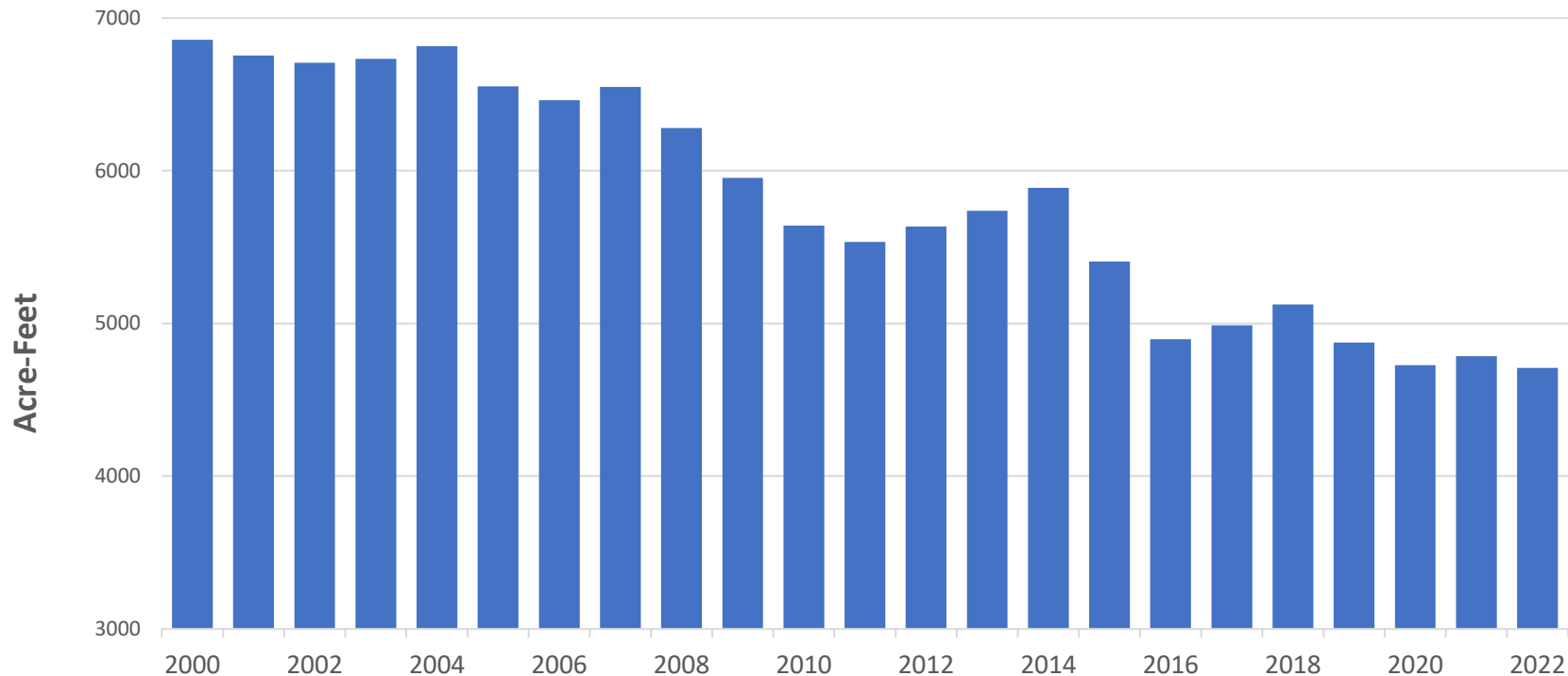
West Basin Actions for Service Area

1. Water use reduction target of 30% (Level 3 shortage)
2. Uniform **Two Days Per Week** outdoor watering
3. Removal of municipal ornamental turf to set example
4. Continued focus on local supplies where possible (groundwater and recycling)

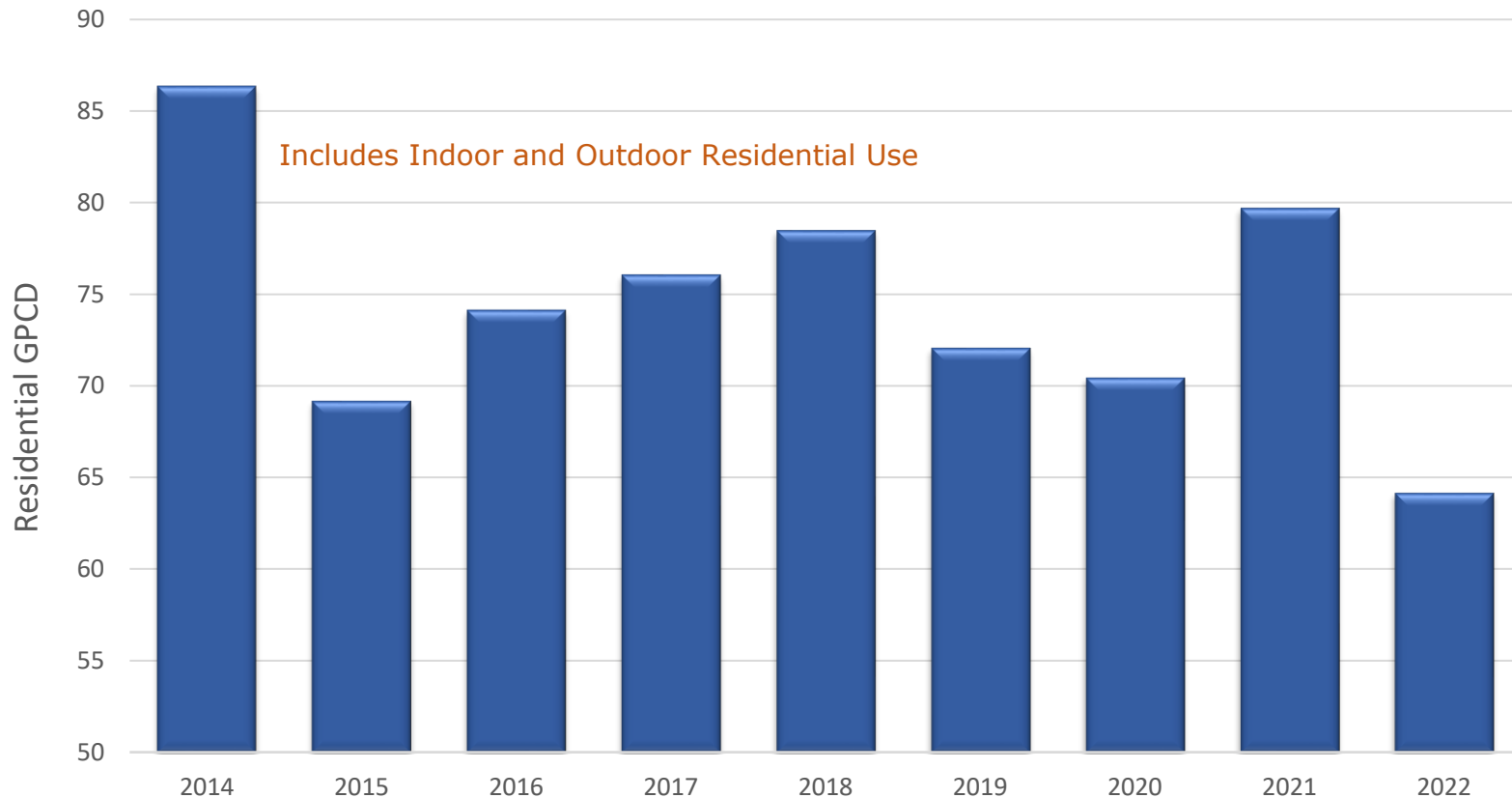
Historical Water Use in West Basin Service Area



Golden State Water Company – Culver City Water Use



Residential Per Capita Water Use (Month of July)



Conservation Progress To Date

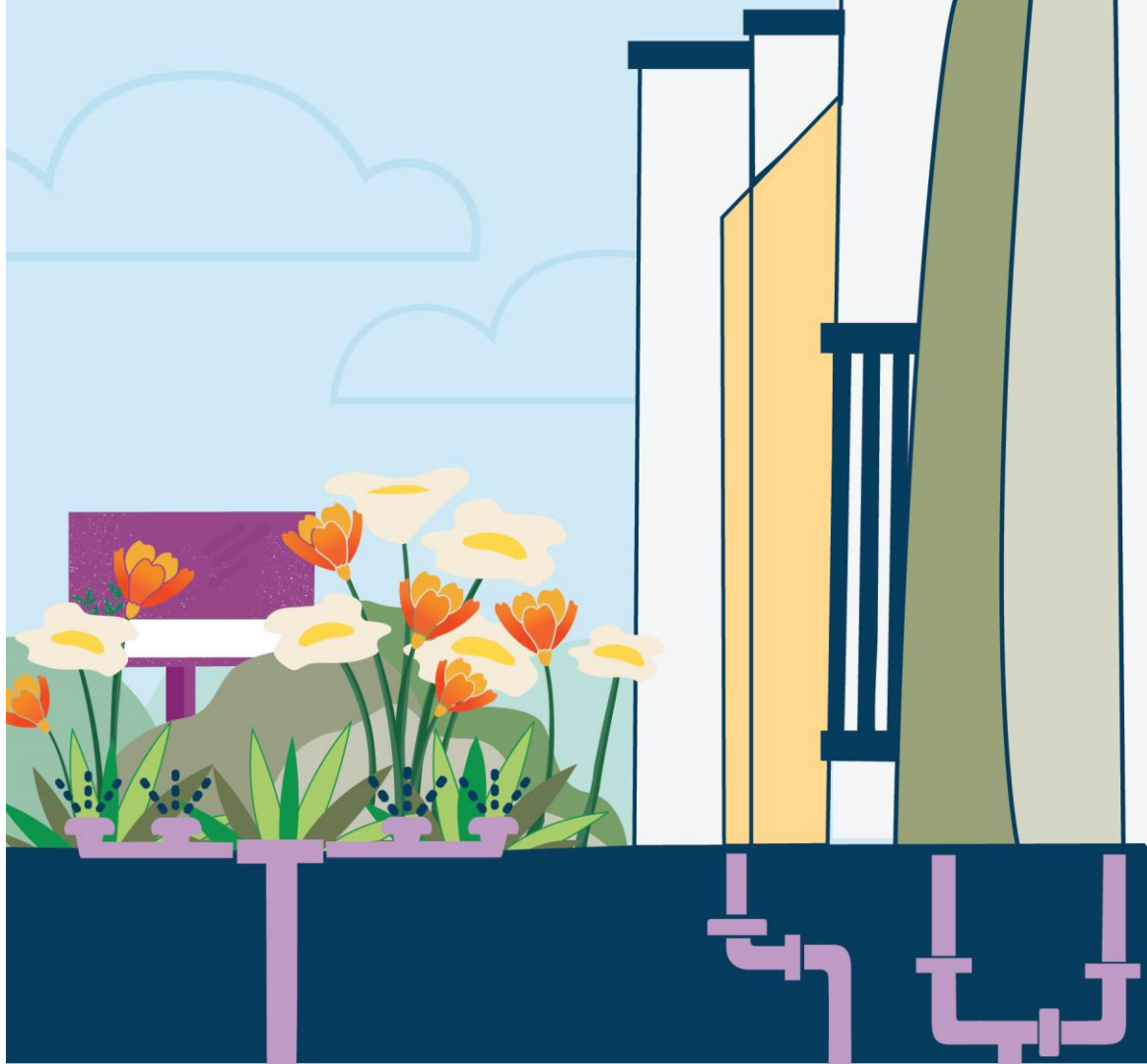
***Compared to 2020**

Supplier Name	Percent Change Cumulative	Percent Change July	Percent Change June	Percent Change May	Percent Change April	Percent Change March	Percent Change February	Percent Change January
Cal Water Dominguez	-10.4%	-6.1%	-14.0%	-9.4%	-6.3%	-2.9%	-15.0%	-14.4%
Cal Am Water	-6.8%	-15.3%	-15.2%	-11.5%	16.2%	18.9%	-8.8%	-4.6%
Inglewood	-6.5%	-16.1%	-13.7%	-8.4%	1.1%	2.3%	-7.3%	-2.8%
Cal Water Palos Verdes	-6.2%	-18.0%	-11.8%	-11.6%	23.8%	38.7%	2.4%	-4.8%
Lomita	-4.6%	-11.2%	-9.5%	-4.8%	9.7%	10.8%	1.5%	-4.1%
Hawthorne	-3.8%	-2.5%	-8.9%	-0.9%	-0.8%	0.1%	-5.0%	-3.5%
Manhattan Beach	-3.7%	-11.8%	-10.4%	-3.0%	9.9%	9.6%	-5.7%	-1.6%
Cal Water Hermosa Redondo	-2.4%	-13.3%	-8.5%	-0.1%	5.2%	11.8%	-4.9%	1.5%
GSWC Southwest	-2.2%	-7.0%	-4.8%	-2.5%	9.1%	13.2%	-2.6%	-2.4%
LACWWD 29	-2.0%	-13.9%	-25.8%	0.0%	14.4%	53.9%	6.5%	0.3%
GSWC Culver City	-0.8%	-8.3%	-5.9%	3.9%	22.0%	14.2%	-5.6%	-9.1%
El Segundo	41.5%	13.8%	58.4%	41.9%	35.1%	31.2%	-4.9%	18.6%



Water Recycling

Diversifying the Water Supply
Portfolio



Water Recycling: Edward C. Little Water Recycling Facility



*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
- **3 Satellite Facilities** and **more than 100 miles of recycled water pipeline**

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.

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**



Conservation & Water Use Efficiency

A California Way of Life





SUPER-CALI-FRUGALISTIC

Save Water. Save California.

- Reduce water use and waste (conserve)
- Do more with less (water use efficiency)
- Help preserve our environment and contribute to a thriving community & state

Get Paid **\$3+** per Square Foot of Grass Replaced

Grass Replacement Rebate Program



Go Drought-Friendly and Get Big Savings!

Learn More

FREE Rain Barrel Distribution Program



Help Conserve Water with a **FREE RAIN BARREL**

The West Basin Rain Barrel Program offers up to two free, 50-gallon rain barrels, valued at \$80 each, as a way to save water and reduce stormwater runoff. Visit the website for requirements and restrictions.

UPCOMING EVENTS

- **Sept. 24:** Palos Verdes High School
- **Oct. 8:** Lawndale High School
- **Oct. 29:** Redondo Beach Union High School
- **Nov. 5:** Morningside High School (Inglewood)
- **Nov. 19:** Edward C. Little Water Recycling Facility

REGISTER TODAY
westbasin.org/rainbarrels
(310) 371-4633



Recent Conservation Accomplishments Since 2016

Rain Barrel Program

RAIN BARREL PROGRAM



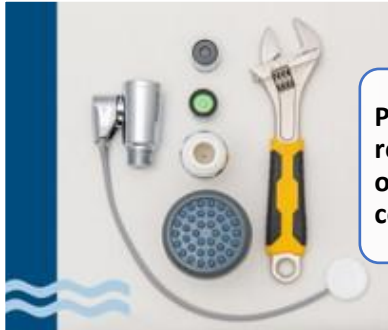
Provided residents with over 12,000 free rain barrels

Grass Replacement Rebate



Residents have removed over 3 million square feet of water-wasting grass utilizing the MWD and West Basin Rebates

Water Saving Kits



Provided residents with over 1,500 free conservation kits

Commercial Kitchen Devices



Provided 243 restaurants and food facilities with free water-use surveys and provided free devices

Get your Grass Replacement questions answered!

Wednesday, Sept. 21 West Basin Chat (Online)



**Chat
with Us!**

**Ask a staff
member your
water saving
questions.**

Register here: www.westbasin.org/chat

Conservation Resources



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



Metropolitan Water District
www.bewaterwise.com



SoCal Water Smart
www.socalwatersmart.com



WATER EDUCATION ★ TOURS ★ PRIZES ★ GAMES ★ KIDS COSTUME CONTEST



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DESI ALVAREZ
SCOTT HOUSTON
DONALD L. DEAR

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Free Family Event

westbasin.org/waterharvest



Director Scott Houston

info@scotthouston.org

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West Basin



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West Basin Municipal
Water District