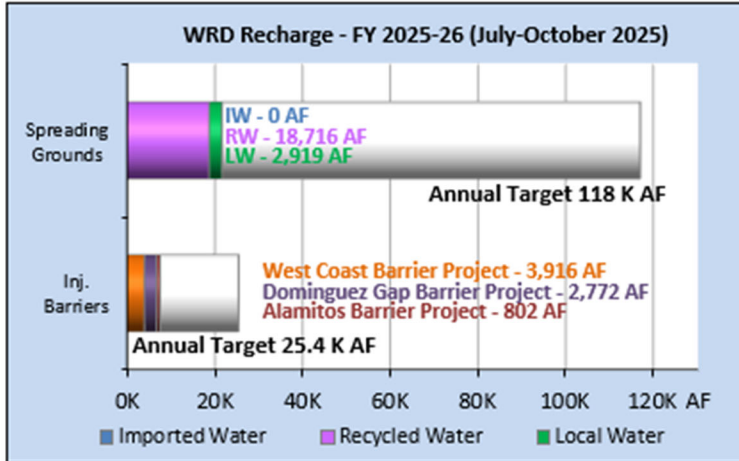


# GROUNDWATER BASIN UPDATE FOR DECEMBER 2025

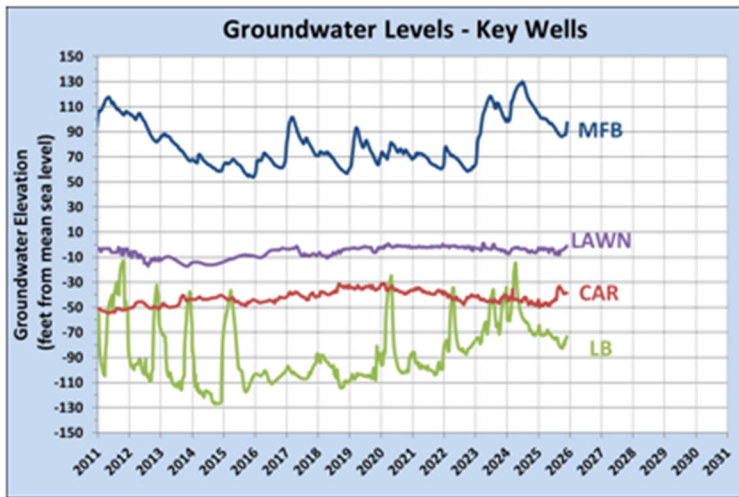
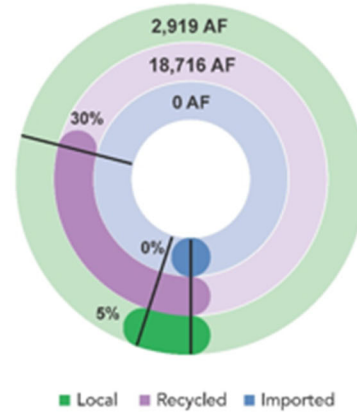
## GROUNDWATER BASINS AT A GLANCE\*



Precipitation % of Normal to Date  
Oct 1, 2025 - Nov 26, 2025



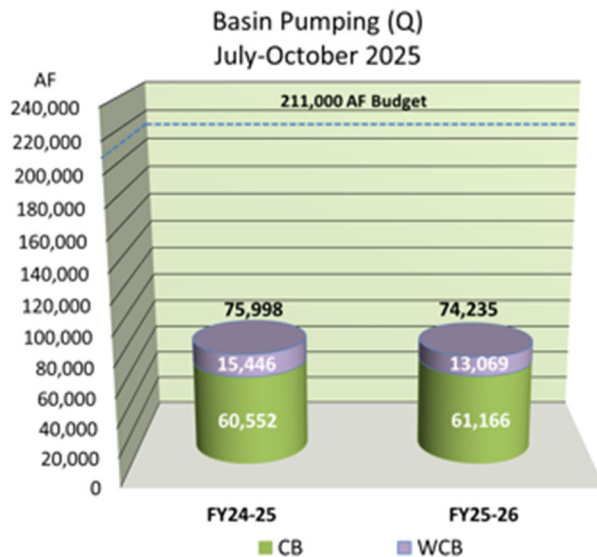
Spreading Grounds Recharge  
Jul-Oct 2025



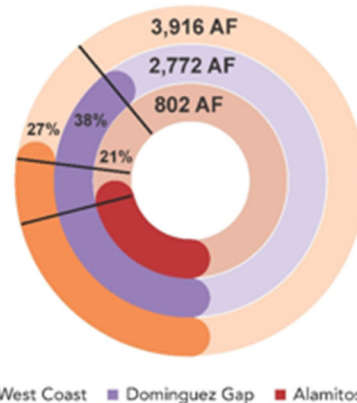
GW Basin Operating Range  
November 28, 2025



Minimum Quantity (0 AF)      Optimum Quantity (288K AF)



Seawater Barrier Recharge  
Jul-Oct 2025



\* - Preliminary numbers, subject to change.

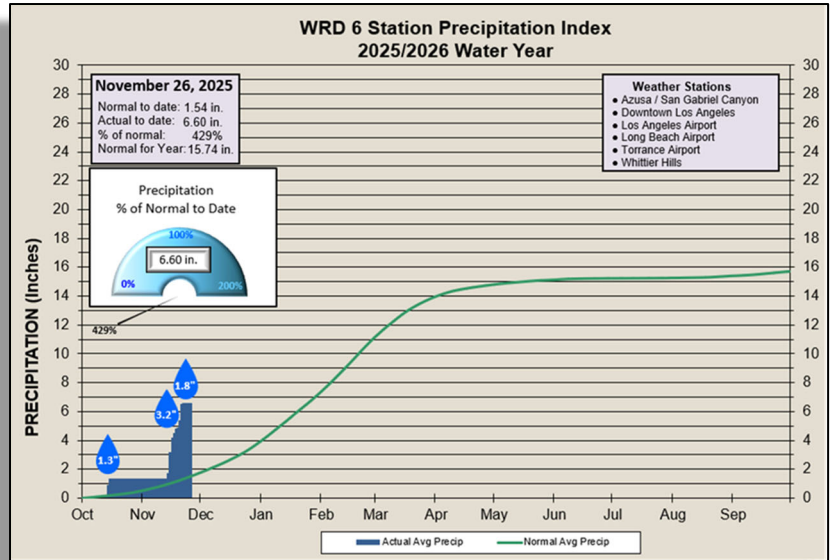
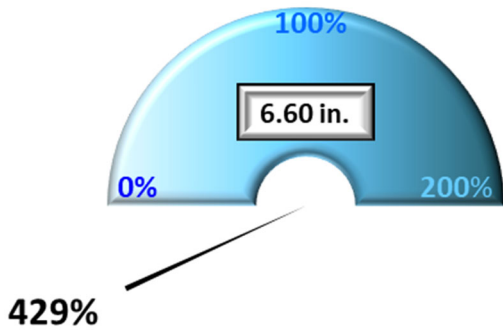
**SUMMARY**

Staff monitors groundwater conditions in the District’s service area throughout the year. A summary of the latest information is presented below.

**Precipitation (October 1, 2024 – November 26, 2025)**

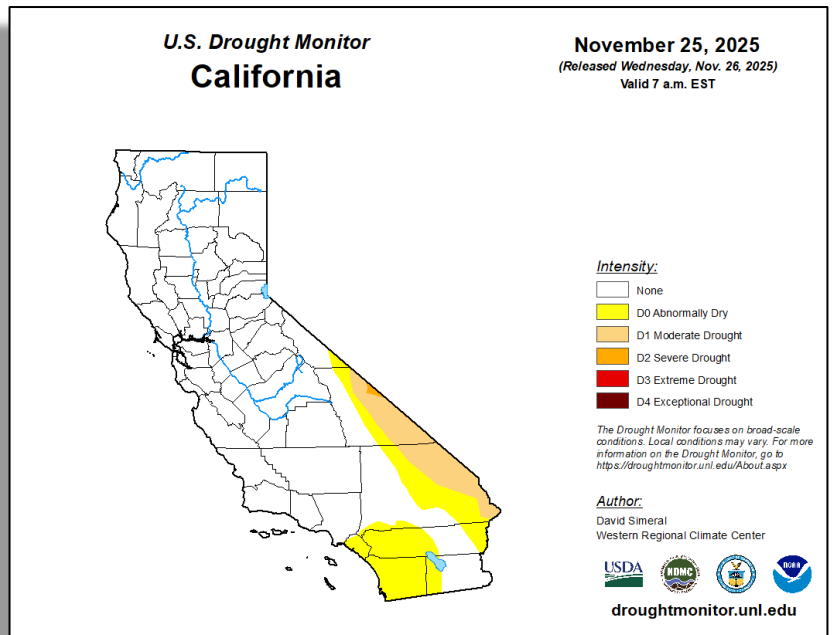
The WRD 6 Station Precipitation Index reports that for the 2024-25 Water Year, there has been above average rainfall (6.60 inches) through November 26, 2025. The normal rainfall for this time period is 1.54 inches, so the District is 429% of normal.

**Precipitation % of Normal to Date**  
**Oct 1, 2025 - Nov 26, 2025**



**Drought Monitor (November 25, 2025)**

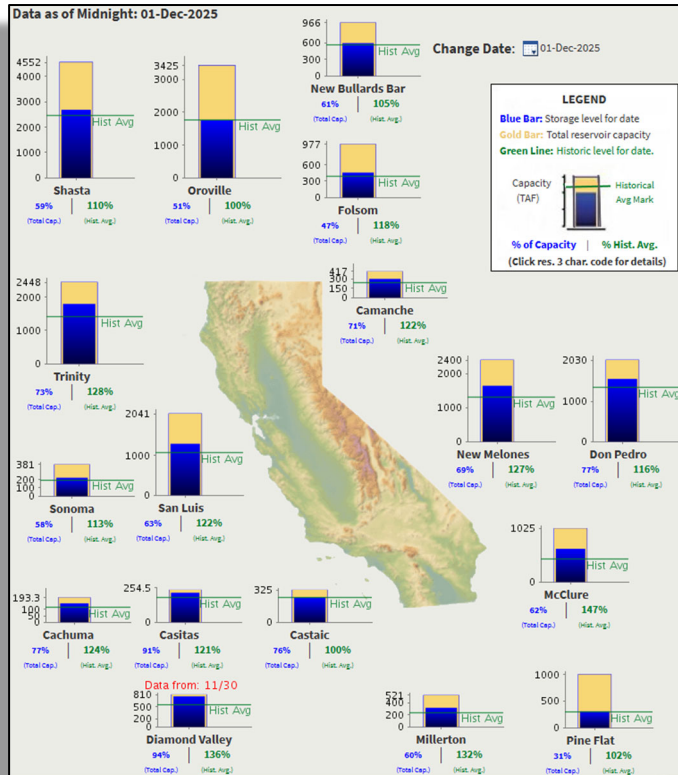
As of November 25, 2025, the U.S. Drought Monitor is reporting 19% of the State is abnormally dry (down 34 %), 7% under moderate (down 25%), >1% under severe (down 9%), 0% under extreme (down 1%), and 0% exceptional (same) drought conditions. According to the U.S. Drought Monitor, Los Angeles County is currently not under any drought condition.



## Select California Reservoirs (December 1, 2025)

For the 21 reservoirs reported monthly to the committee, water levels have increased in 12 of 21 reservoirs. The largest increase occurred at San Luis Reservoir (0.22 million acre feet, MAF) and smallest increase occurred at Lakes Cachuma and Perris (<0.01 MAF). The largest decrease (-0.14 MAF) occurred at Lake Powell. The smallest decrease (<-0.01 MAF) occurred at Lakes Sonoma, Casitas, and Diamond Valley.

### DWR Managed Reservoirs (SWP) Storage in Million Acre Feet



Reservoir	Capacity	Storage	% Full	Change
Trinity Lake (CLE)	2.45	1.80	73%	0.06
Lake Shasta (SHA)	4.55	2.68	59%	0.14
Lake Oroville (ORO)	3.54	1.76	51%	-0.07
New Bullards Bar (BUL)	0.97	0.59	61%	-0.01
Folsom Lake (FOL)	0.98	0.46	47%	0.04
Camanche Lake (CMN)	0.42	0.30	71%	-0.01
New Melones L. (NML)	2.40	1.65	69%	0.03
Don Pedro Res (DNP)	2.03	1.56	77%	0.05
Lake McClure (EXC)	1.02	0.63	62%	0.03
Lake Sonoma (WRS)	0.38	0.22	58%	0.00
San Luis Res (SNL)	2.04	1.29	63%	0.22
Millerton Lake (MIL)	0.52	0.31	60%	0.06
Pine Flat Res. (PNF)	1.00	0.31	31%	0.04
Cachuma Lake (CCH)	0.19	0.15	77%	0.00
Castaic Lake (CAS)	0.33	0.25	76%	-0.02
Casitas Lake (CSI)	0.25	0.22	91%	0.00
Perris Lake (PRR)	0.13	0.13	97%	0.00
L. Silverwood (SLW)	0.08	0.05	70%	-0.02

### USBR and MWD Reservoirs (CRA) Storage in Million Acre Feet

Reservoir	Capacity	Storage	% Full	Change
Lake Powell	23.31	6.66	29%	-0.14
Lake Mead	26.12	8.34	32%	0.10
Diamond Valley L (DVL)	0.81	0.76	94%	0.00

Black Text - Decrease or no change in storage since the last report.  
Green Text - Increase in storage since the last report.

These 21 reservoirs are at 41% capacity (30.11 MAF) which is up 0.50 MAF (+0.7%) from the prior month (+0.54 MAF State Water Project [SWP] and -0.04 MAF Colorado River Aqueduct [CRA]).

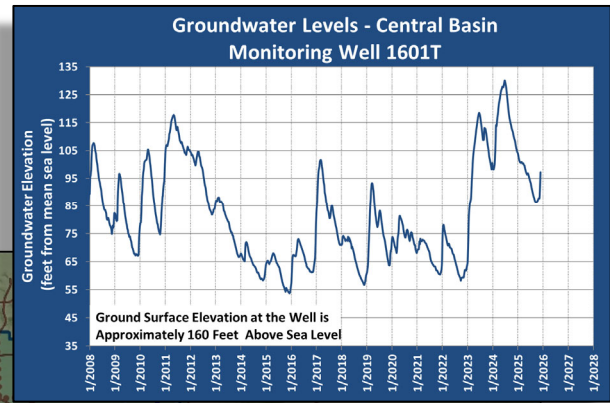
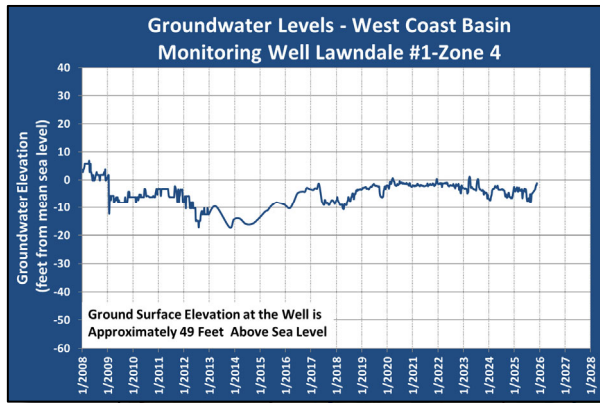


Did you know?

About 25% of all rainfall in the U.S. becomes groundwater with about 10% first being captured in lakes and reservoirs.

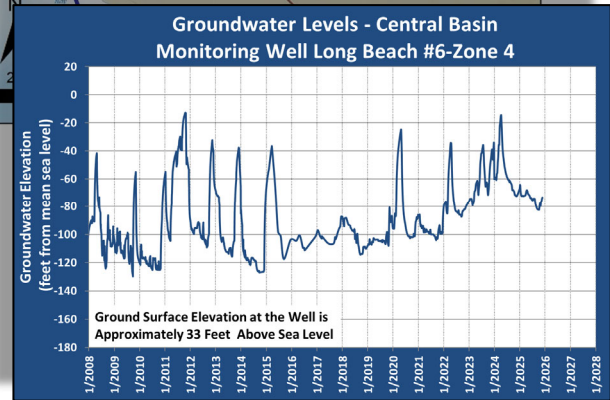
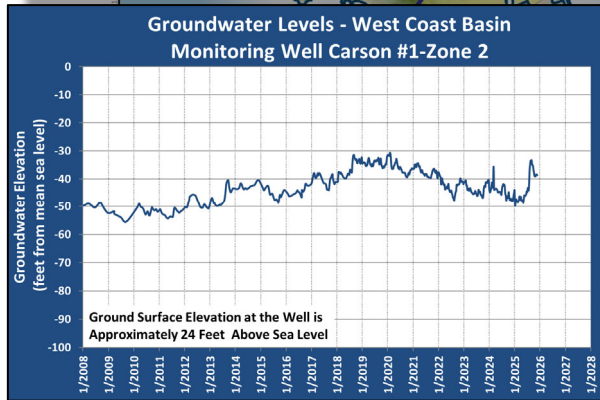
## Groundwater Levels (November 28, 2025)

Groundwater levels in key monitoring wells are shown in the hydrographs below.



Central Basin Key Well Long Beach #6 and West Coast Basin Key Wells Lawndale #1 & Carson #1 are in a confined aquifer and do not respond readily to rainfall but instead to changes in pumping patterns and barrier recharge.

Central Basin Key Well 1601T is between the two spreading grounds and rises rapidly with rainfall and replenishment but falls sharply during dry spells and lack of replenishment.



### Groundwater Level Changes in Key Wells

Well Name	Since Last Report	Since Same Time the Previous Year
Central Basin Key Well 1601T	Increased 9.5 feet	Decreased 10.5 feet
Central Basin Key Well Long Beach #6 4	Increased 6.5 feet	Decreased 1.6 feet
West Coast Basin Key Well Lawndale #1 4	Increased 2.2 feet	Increased 5.0 feet
West Coast Basin Key Well Carson #1 2	<b>Increased 0.4 foot</b>	Increased 9.6 feet

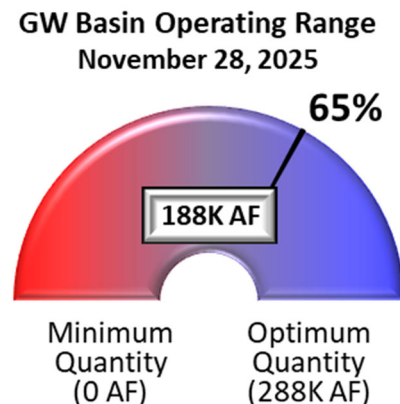
**Bold** indicates a change in direction (decreasing or increasing) since the last report.

## Optimum and Minimum Groundwater Quantity (November 28, 2025)

The Board of Directors adopted an Optimum and Minimum Quantity for groundwater in the District to define an appropriate operating range that would sustain adjudicated pumping rights, leave room for future storage projects, and identify a lower limit. The amounts are based on the accumulated overdraft concept, which the District tracks year by year based on changes in groundwater storage.

After an extensive review of over 70 years of water level fluctuations and discussions with the Board and pumping community, Water Year 1999/2000 was recognized as a representative year for the Optimum Quantity, which equated to an accumulated overdraft of approximately 612,000 acre feet. The Minimum Quantity was defined as an accumulated overdraft of 900,000 acre feet, which allowed an operating range from 0 acre feet (minimum) to 288,000 acre feet (optimum). The Board also adopted a policy to make up the groundwater deficit should the accumulated overdraft fall too far below the Optimum Quantity.

The Accumulated Overdraft as of November 28, 2025, has been estimated at 711,528 acre feet (subject to change), which is 188,472 acre feet above the Minimum Quantity and 99,528 acre feet below Optimum Quantity. The Basin is at 65% of Optimum Quantity which is 3% higher than what was reported last month (~9K AF higher).



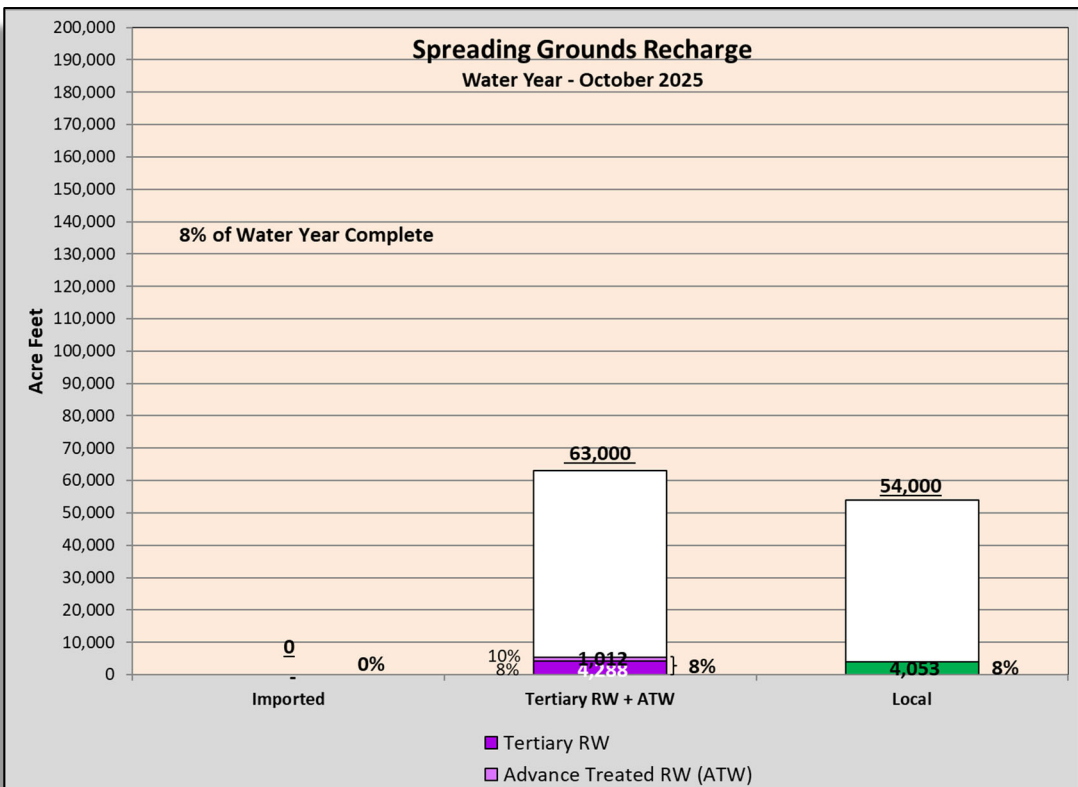
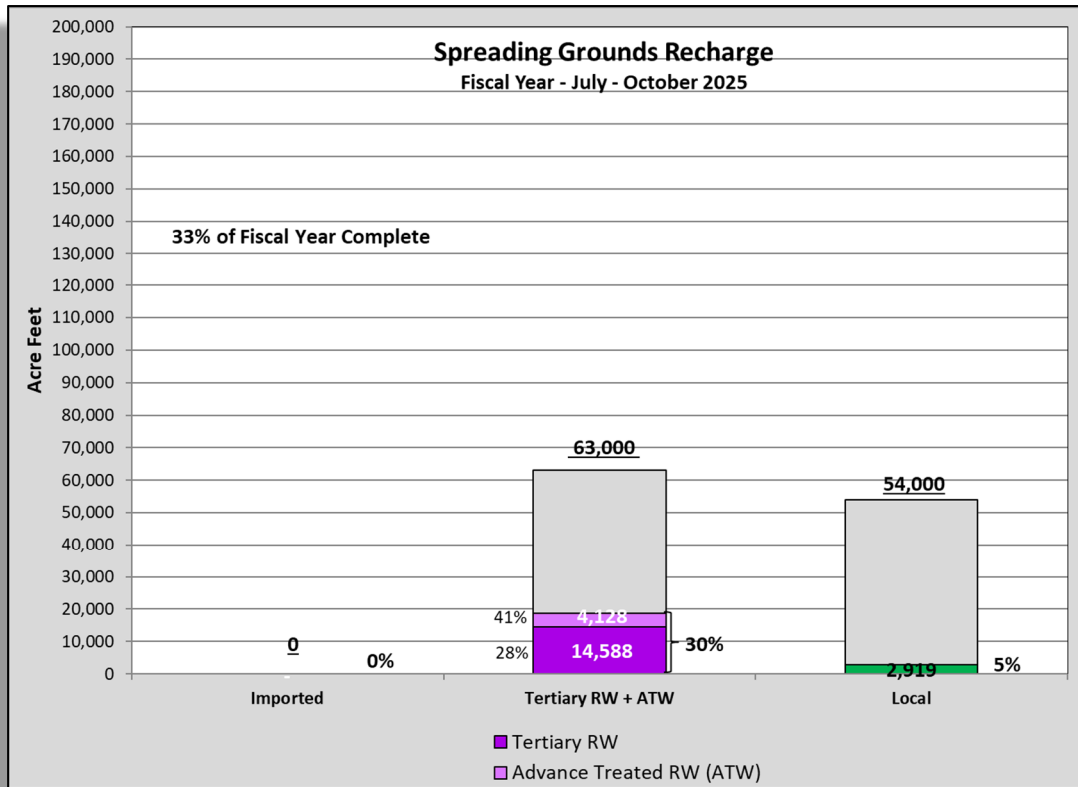
### **FACT:**

*Groundwater's age (or time since recharge) in shallow, local systems can vary from less than a day to a few hundred years. In deep, regional systems with long flow paths (tens of miles), the age of groundwater may reach thousands or tens of thousands of years.*



Montebello Forebay Spreading Grounds (July-October 2025)

The following Charts show the preliminary spreading grounds replenishment water for the current Fiscal Year (2025-26; 4 months) and Water Year (2025-26; 1 month):

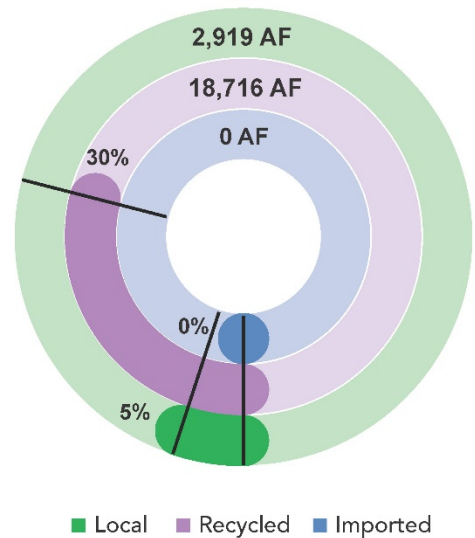


No imported water purchases were planned for Fiscal Year 2025-26.

Local water (stormwater plus dry weather urban runoff) is captured by the Los Angeles County Department of Public Works (LACPW) at the spreading grounds for recharge. Local water amounts are determined as the sum of the total water conserved at the spreading grounds less the imported and recycled water deliveries. For the 2025-26 Fiscal Year, 2,919 acre feet of local water capture have been reported by the LACPW.

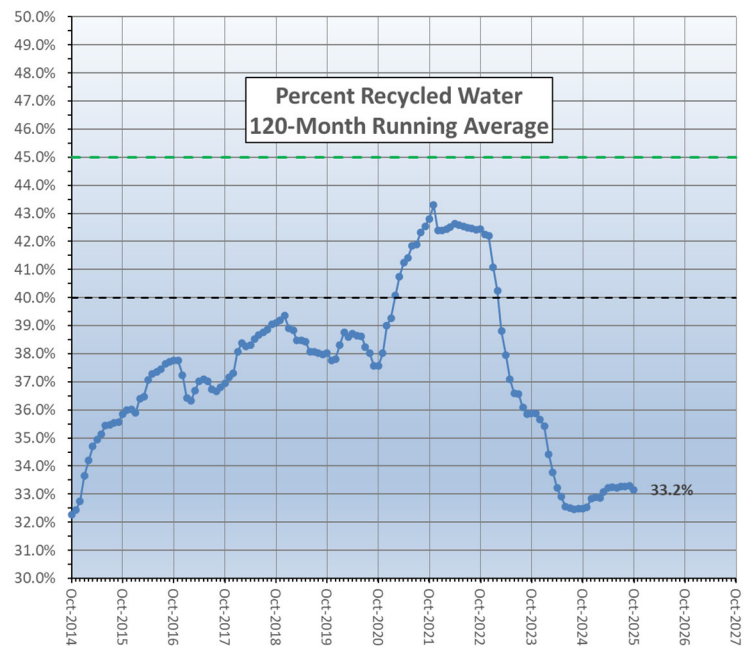
Preliminary numbers for the 2025-26 Fiscal Year show that approximately 18,716 acre feet of recycled water has been recharged with 4,128 acre feet consisting of advanced treated water from the ARC AWTF and 14,588 acre feet of tertiary recycled water. Presuming the advanced treated water as “Null Water”, the 120-month running average of the recycled water contribution in the Montebello Forebay is 33.2% and the regulatory maximum is 45%, with additional monitoring being required once 40% is reached.

**Spreading Grounds Recharge**  
Jul-Oct 2025



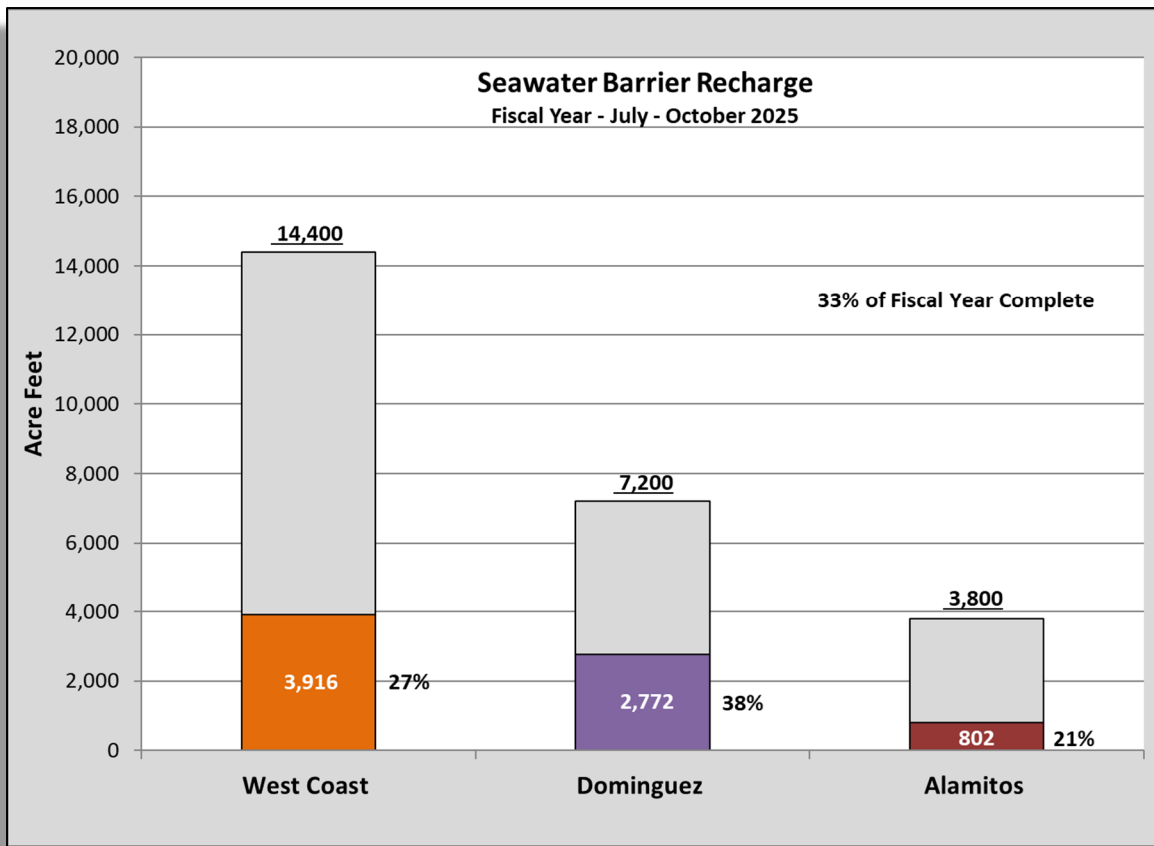
Tertiary Recycle Water Permit Update

The permit is continuing to progress with LACSD and WRD staff working to update pertinent sections of the new Title 22 Engineering Report. Due to the persistent drought conditions over the past few decades and associated emergency drought proclamation by Governor Newsom, LACSD and WRD submitted a request to modify the recycled water contribution percentage to 50% and the advanced treated water classification to diluent in a letter to the LARWQCB and CA-DDW dated July 8, 2022. LACSD and WRD staff are targeting 2025 to have the new Title 22 Engineering Report submitted, including the requests to increase the recycled water contribution percentage to 50% and reclassify the advanced treated water as diluent.

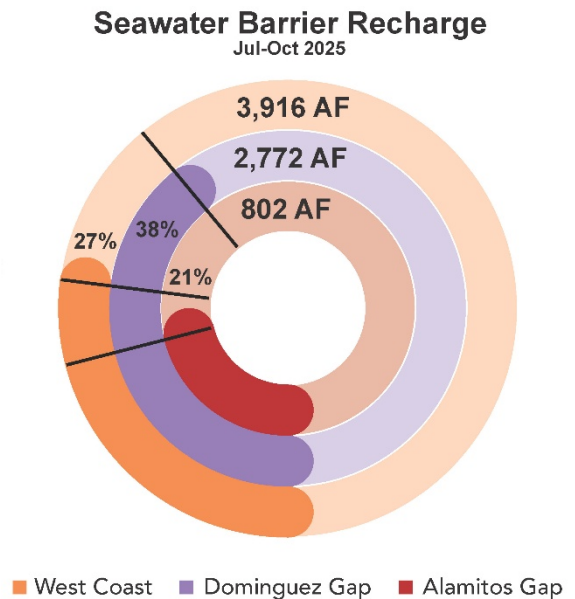


Seawater Barrier Well Injection and Replenishment (July-October 2025)

The following Chart shows the barrier water injection:

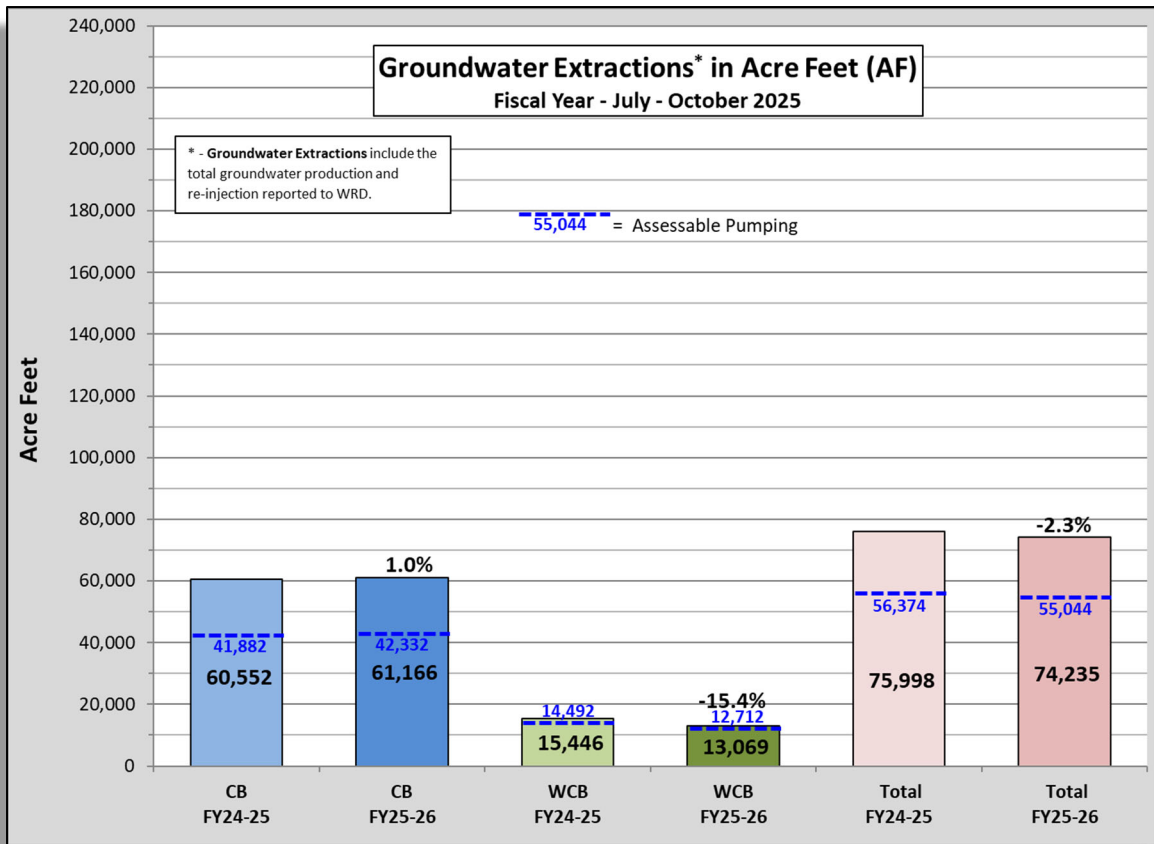


Preliminary numbers for the 2025-26 Fiscal Year show that the West Coast Barrier has used 3,916 acre feet of the total 14,400 acre feet planned for injection, 27% of total for the Fiscal Year. The Dominguez Gap Barrier used 2,772 acre feet of the total 7,200 acre feet planned for injection, 38% of the total for the Fiscal Year. The Alamitos Gap Barrier, on the WRD side, used 802 acre feet of the total 3,800 acre feet planned for injection, 21% of the total for the Fiscal Year. Advanced Treated Recycled Water (ATW) usage at the three barriers for the Fiscal Year to date is 81% at the West Coast Barrier (+6%), 67% at the Dominguez Gap Barrier (+3%), and 29% Alamitos Gap Barrier (+12%). The combined ATW usage at all three barriers is 70% (+5%).



Total Pumping (Fiscal Year 2025-26, July-October 2025)

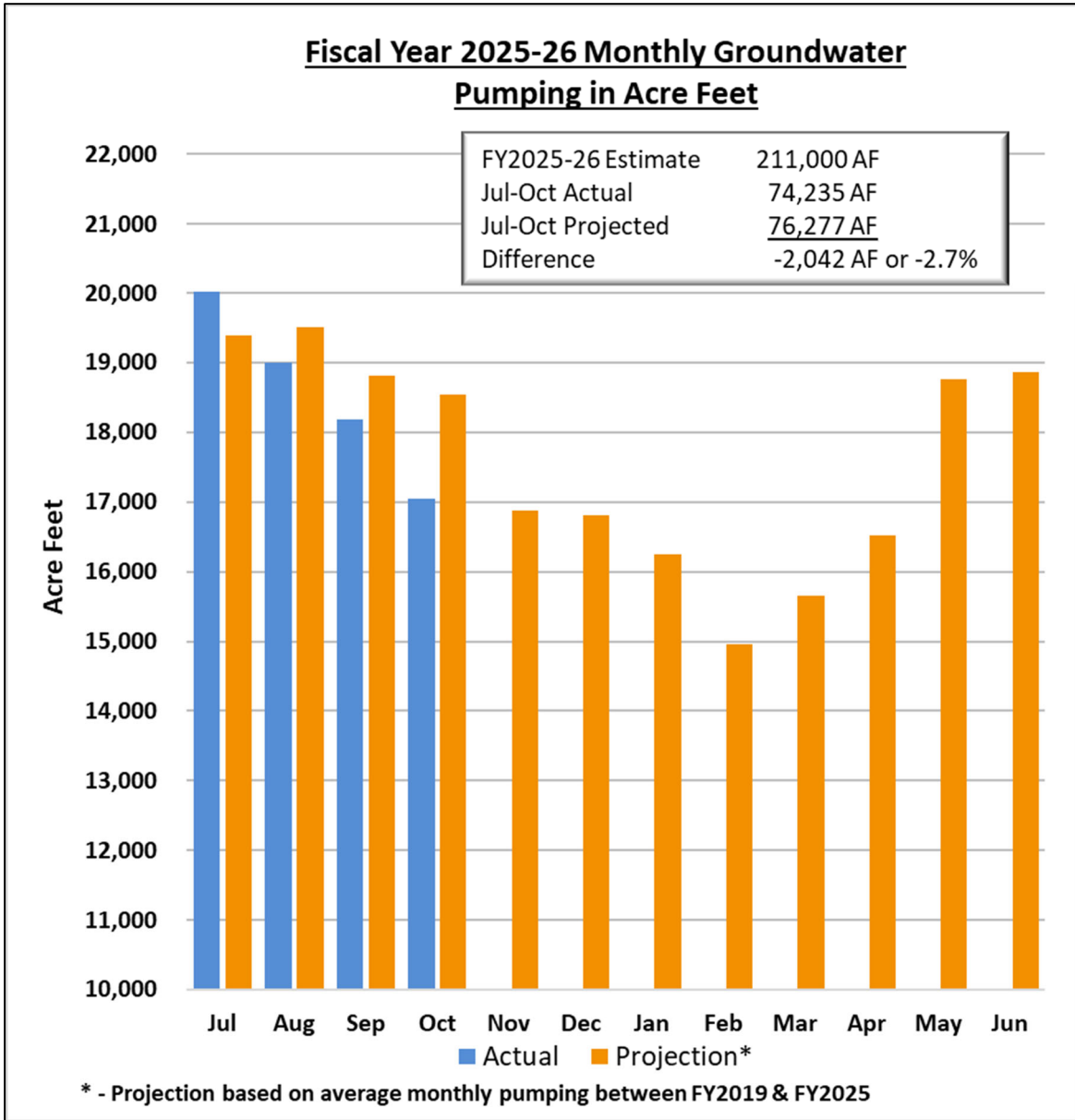
Preliminary numbers for groundwater production in the District for the Fiscal Year 2025-26 (July-October) indicate total pumping in the Central Basin was up 614 acre feet from the same time of the previous fiscal year (+1.0%) and the West Coast Basin total pumping was 2,377 acre feet lower than the previous fiscal year (-15.4%). The total pumping is 74,235 acre feet compared to 75,998 acre feet during the same time the previous year for an decrease of 1,763 acre feet, or -2.3%. The current pumping data does not include three (3) Central Basin pumpers and two (2) West Coast Basin pumpers, who have not yet reported, for an estimated 100 additional acre feet.



Interesting...

The U.S. uses about 349 billion gallons of water every day, and over one-fourth of that is groundwater. Do the math: 349 billion gallons is about 1.1 million AF. So...over 275,000 AF of groundwater per day.

Preliminary numbers indicate 74,235 acre feet of groundwater have been pumped this fiscal year and is 2.7% below the projected fiscal year to date goal of 76,277 acre feet (or -2,042 acre feet). Monthly actual production versus the 7-year average monthly production projections (FY 2019 through 2025) are included in the chart below.



"Nothing is softer or more flexible than water, yet nothing can resist it." - Lao Tzu



For the Fiscal Year 2025-26 (July-October 2025), staff has tracked the production trends of the top five (5) producing pumpers and the bottom five (5) producing pumpers in each basin. These pumpers are identified in the following tables and are based on the change in volume (in acre feet) compared to the same time period for the previous Fiscal Year. Production data for all the pumpers can be found in the attached Exhibit A (Central Basin) and Exhibit B (West Coast Basin).

<b>Production Trends - Central Basin</b>				
<b>Top 5 Producing <u>by Volume</u> (AF)</b>	Jul 2024 – Oct 2024	Jul 2025 – Oct 2025	Difference	% Change
Liberty Utilities - CB	1,480.50	2,515.29	1034.79	69.89
Lynwood, City	1,274.08	1,830.73	556.65	43.69
Whittier, City	1,903.73	2,279.70	375.97	19.75
Cerritos, City	2,823.36	3,020.79	197.43	6.99
Paramount, City	941.46	1,102.90	161.44	17.15
<b>Bottom 5 Producing <u>by Volume</u> (AF)</b>	Jul 2024 – Oct 2024	Jul 2025 – Oct 2025	Difference	% Change
Golden State Water Co. - CB	6,307.23	5,272.30	-1034.93	-16.41
Santa Fe Springs, City	711.27	394.12	-317.15	-44.59
Maywood Mutual No. 1	226.05	0.41	-225.64	-99.82
Suburban Water Systems	969.69	768.66	-201.03	-20.73
Commerce, City	584.70	485.16	-99.54	-17.02

<b>Production Trends – West Coast Basin</b>				
<b>Top 5 Producing <u>by Volume</u> (AF)</b>	Jul 2024 – Oct 2024	Jul 2025 – Oct 2025	Difference	% Change
Cal. Water Service Co./Hawthorne Lease	72.78	459.41	386.63	531.23
Torrance, City	1,464.24	1,720.98	256.74	17.53
Cal. Water Service Co. Alpha 7050	356.22	522.43	166.21	46.66
Manhattan Beach, City	38.69	159.53	120.84	312.33
Inglewood, City	533.17	625.10	91.93	17.24
<b>Bottom 5 Producing <u>by Volume</u> (AF)</b>	Jul 2024 – Oct 2024	Jul 2025 – Oct 2025	Difference	% Change
Golden State Water Co. - WB	4,066.69	2,964.35	-1102.34	-27.11
Tesoro Refining	3,011.21	2,065.99	-945.22	-31.39
Cal. Water Service Co. Dominguez - WB	1,929.89	1,464.61	-465.28	-24.11
Phillips 66 Co. - Alpha 7093	2,026.72	1,702.01	-324.71	-16.02
Rolling Hills Country Club	207.00	156.00	-51.00	-24.64

Water Replenishment District (WRD) publishes the Groundwater Basin Update (GWBU) monthly. All information contained herein is preliminary and is meant to be a snapshot of the status of the basins at the time of publication and should not constitute an official WRD report. All the information presented in the GWBU utilizes the best available data at the time of publication. Data provided herein is a compilation of WRD data and publicly available information from several of our partners including, but not limited to, the Los Angeles County Department of Public Works - Stormwater Engineering Division, Metropolitan Water District of Southern California, California Department of Water Resources, US Bureau of Reclamation, University of Nebraska - Lincoln, and the US Department of Agriculture - Natural Resources Conservation Service. The GWBU is prepared by Senior Hydrogeologist, Everett Ferguson, who can be contacted directly with questions at [eferguson@wrd.org](mailto:eferguson@wrd.org).

**Central Basin Production Trends**

Central Basin	July 2024 - October 2024	July 2025 - October 2025	Difference	%Change
ABC USD	3.90	9.30	5.40	138.46
American Text. M.	23.69	29.49	5.80	24.48
Artesia, City	0.97	1.00	.03	3.09
Atlas Iron and Metal Co.	0.10	0.00	-.10	-100.00
Bell Gardens, City	0.00	0.00	.00	0.00
Bellflower Home Garden	0.00	0.00	.00	0.00
Bellflower-Somerset MWC	1,785.72	1,774.57	-11.15	-0.62
Boeing Co.	21.26	20.44	-.82	-3.86
Boeing, Compton Site	13.40	19.60	6.20	46.27
Cal. American Water Co. Alpha 0679	634.92	667.91	32.99	5.20
Cal. Water Service Co. (East LA)	3,623.17	3,735.06	111.89	3.09
Cal. Water Service Co. Dominguez - CB	447.86	447.19	-.67	-0.15
Caltrans	1.86	48.43	46.57	2,503.76
Cerritos, City	2,823.36	3,020.79	197.43	6.99
Coast Packing Co.	48.65	43.94	-4.71	-9.68
Commerce, City	584.70	485.16	-99.54	-17.02
Compton, City	2,468.02	2,534.63	66.61	2.70
Darling-Delaware Co.	0.00	0.00	.00	0.00
Defense Logistic Agency	0.61	0.15	-.46	-75.41
Demunno Kerdoon	0.61	0.98	.37	60.66
Downey, City	5,133.12	5,072.82	-60.30	-1.17
El Rancho Unified School District	0.00	0.00	.00	0.00
Golden State Water Co. - CB	6,307.23	5,272.30	-1034.93	-16.41
HMB Bandini, LLC	0.09	0.04	-.05	-55.56
Huntington Park, City - Alpha 2378	971.79	981.40	9.61	0.99

Central Basin	July 2024 - October 2024	July 2025 - October 2025	Difference	%Change
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	93.99	88.75	-5.24	-5.58
La Habra Heights County WD	1,066.12	1,033.39	-32.73	-3.07
Lakewood - City	2,494.83	2,471.38	-23.45	-0.94
Liberty Utilities - CB	1,480.50	2,515.29	1034.79	69.89
Little Lake Cemetery District	0.00	0.00	.00	0.00
Long Beach, City - CB	11,243.22	11,315.81	72.59	0.65
Los Angeles, City - CB	6.09	4.39	-1.70	-27.91
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	12.91	12.07	-.84	-6.51
Lynwood, City	1,274.08	1,830.73	556.65	43.69
Maywood Mutual No. 1	226.05	0.41	-225.64	-99.82
Maywood Mutual No. 2	321.42	344.75	23.33	7.26
Maywood Mutual No. 3	501.66	501.47	-.19	-0.04
Montebello Land and Water Co.	1,081.09	1,202.62	121.53	11.24
Newark Group, Inc.	47.36	4.59	-42.77	-90.31
Norwalk, City	141.77	120.29	-21.48	-15.15
Omega OU1/OU3 LLC	1.82	2.00	.18	9.89
Orchard Dale Water District	722.55	761.10	38.55	5.34
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	4.39	9.20	4.81	109.57
Paramount USD	0.16	5.52	5.36	3,350.00
Paramount, City	941.46	1,102.90	161.44	17.15
Pico Rivera, City	1,479.86	1,531.95	52.09	3.52
Pico Water District	961.83	987.91	26.08	2.71
Rockview Dairies	57.80	55.34	-2.46	-4.26
Roman Catholic Archbishop - CB	151.60	99.40	-52.20	-34.43
Rowland Water District	0.00	0.00	.00	0.00

Central Basin	July 2024 - October 2024	July 2025 - October 2025	Difference	%Change
San Gabriel Valley Water Co.	1,136.83	1,185.25	48.42	4.26
Santa Fe Springs, City	711.27	394.12	-317.15	-44.59
Scantlebury, Robert P.	0.12	0.13	.01	8.33
Signal Hill, City	258.59	179.73	-78.86	-30.50
South Gate, City	2,926.46	2,882.37	-44.09	-1.51
South Montebello Irrigation Dist	612.35	549.27	-63.08	-10.30
Southern California Edison Co. - CB	0.00	0.00	.00	0.00
St. John Bosco School	4.10	0.00	-4.10	-100.00
Suburban Water Systems	969.69	768.66	-201.03	-20.73
Tract 180 Water Co.	433.96	431.01	-2.95	-0.68
Tract 349 Mutual Water Co.	226.91	220.64	-6.27	-2.76
Vernon, City	1,607.25	1,556.38	-50.87	-3.17
Virginia Country Club	139.07	148.73	9.66	6.95
Walnut Park Mutual	379.00	366.93	-12.07	-3.18
Whittier Union HSD	10.63	13.92	3.29	30.95
Whittier, City	1,903.73	2,279.70	375.97	19.75
WRD	24.59	22.39	-2.20	-8.95
Yamamoto, Alice	0.00	0.00	.00	0.00

**West Coast Basin Production Trends**

West Basin	July 2024 - October 2024	July 2025 - October 2025	Difference	%Change
ABC Nursery	5.36	2.00	-3.36	-62.69
Boeing-WB	0.00	23.83	23.83	0.00
Cal. Water Service Co. Alpha 7050	356.22	522.43	166.21	46.66
Cal. Water Service Co. Dominguez - WB	1,929.89	1,464.61	-465.28	-24.11
Cal. Water Service Co./Hawthorne Lease	72.78	459.41	386.63	531.23
CEMEX, Inc.	0.00	0.00	.00	0.00
Eco Services Operations	47.24	61.39	14.15	29.95
Golden State Water Co. - WB	4,066.69	2,964.35	-1102.34	-27.11
Hillside Memorial Park	59.40	55.16	-4.24	-7.14
Honeywell International	0.00	0.00	.00	0.00
Honeywell International (NCWUP)	0.00	0.00	.00	0.00
Inglewood, City	533.17	625.10	91.93	17.24
Kinder Morgan Liquids Terminals	10.37	18.83	8.46	81.58
L.A. County Department of Parks	157.61	172.10	14.49	9.19
L.A. County Sanitation Districts (WWRF)	0.00	0.00	.00	0.00
Lockheed Martin Corp. NCWUP	0.00	0.00	.00	0.00
Lomita, City	0.00	5.64	5.64	0.00
Long Beach, City - WB	0.00	0.00	.00	0.00
Manhattan Beach, City	38.69	159.53	120.84	312.33
Montrose Chemical Corp.	0.05	-1.09	-1.14	-2,280.00
Myron Z. Chalavin	0.00	0.00	.00	0.00
Phillips 66 Co. - Alpha 7093	2,026.72	1,702.01	-324.71	-16.02
Rolling Hills Country Club	207.00	156.00	-51.00	-24.64
Roman Catholic Archbishop - WB	122.40	134.05	11.65	9.52
SCI Funeral Services	20.45	27.05	6.60	32.27

West Basin	July 2024 - October 2024	July 2025 - October 2025	Difference	%Change
Shell Oil (Wilmington)	4.97	4.35	-.62	-12.47
Shell Oil Co NCWUP	19.86	39.72	19.86	100.00
Southern California Edison Co. - WB	7.07	7.49	.42	5.94
Tesoro Refining	3,011.21	2,065.99	-945.22	-31.39
Torrance Refining	362.02	325.12	-36.90	-10.19
Torrance, City	1,464.24	1,720.98	256.74	17.53
West Basin Brewer Desalter	0.00	0.00	.00	0.00