

EBMUD: Spotlight on the Drought

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EBMUD Water Supply



EBMUD WATER SUPPLY



FREEPORT REGIONAL WATER FACILITY
SUPPLEMENTAL WATER SUPPLY FOR DRY YEARS

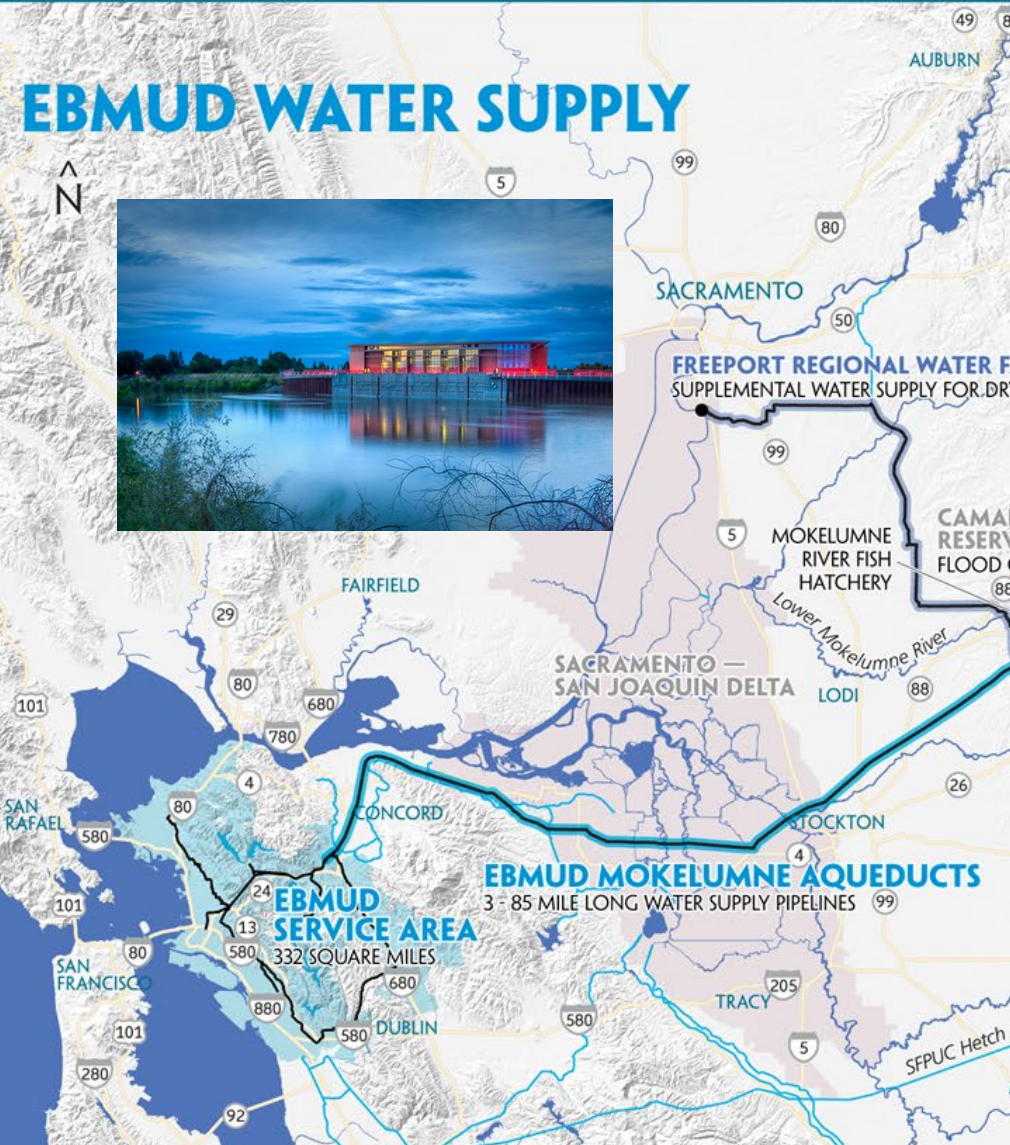
PARDEE RESERVOIR
MUNICIPAL WATER SUPPLY

MOKELUMNE RIVER WATERSHED
575 SQUARE MILES

CAMANCHE RESERVOIR
FLOOD CONTROL

MOKELUMNE RIVER FISH HATCHERY

EBMUD MOKELUMNE AQUEDUCTS
3 - 85 MILE LONG WATER SUPPLY PIPELINES



Current Drought Stats

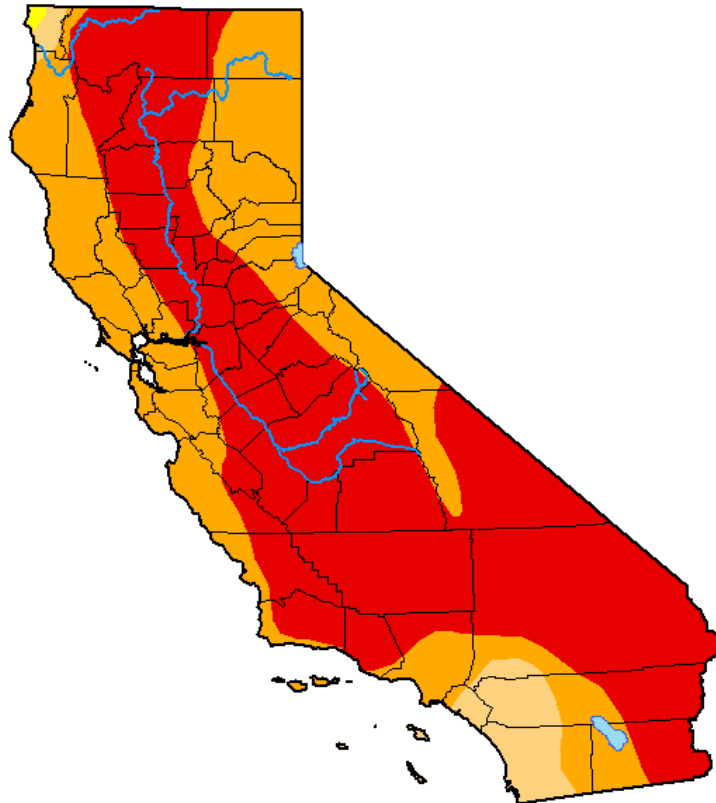


U.S. Drought Monitor California







May 10, 2022

(Released Thursday, May. 12, 2022)

Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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Western Regional Climate Center

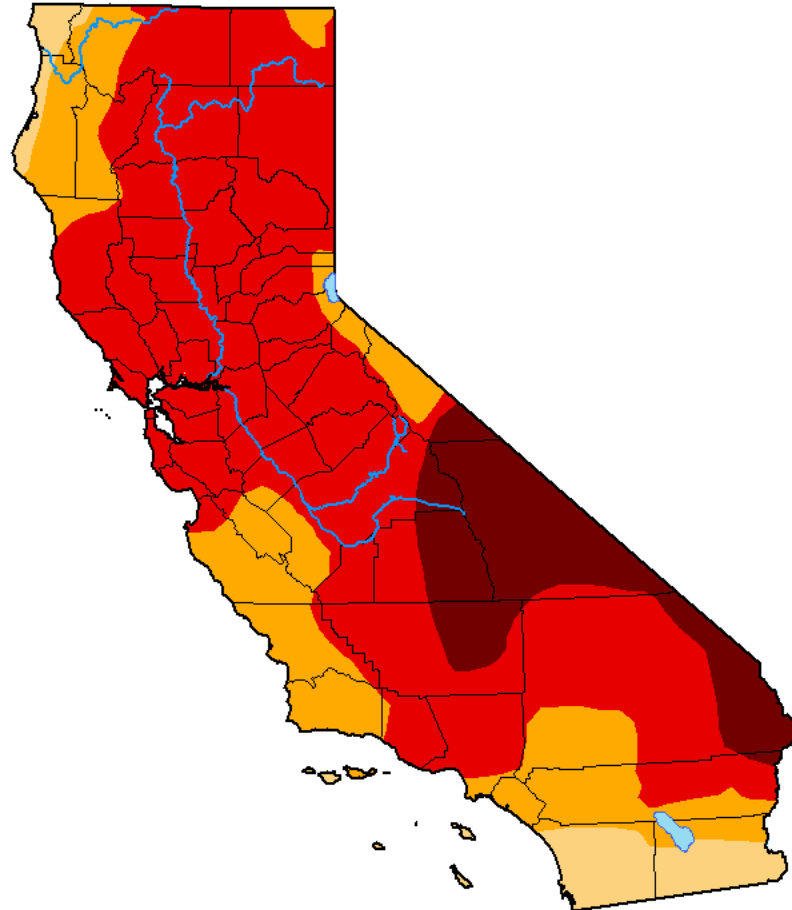


droughtmonitor.unl.edu

This Time Last Year



May 11, 2021

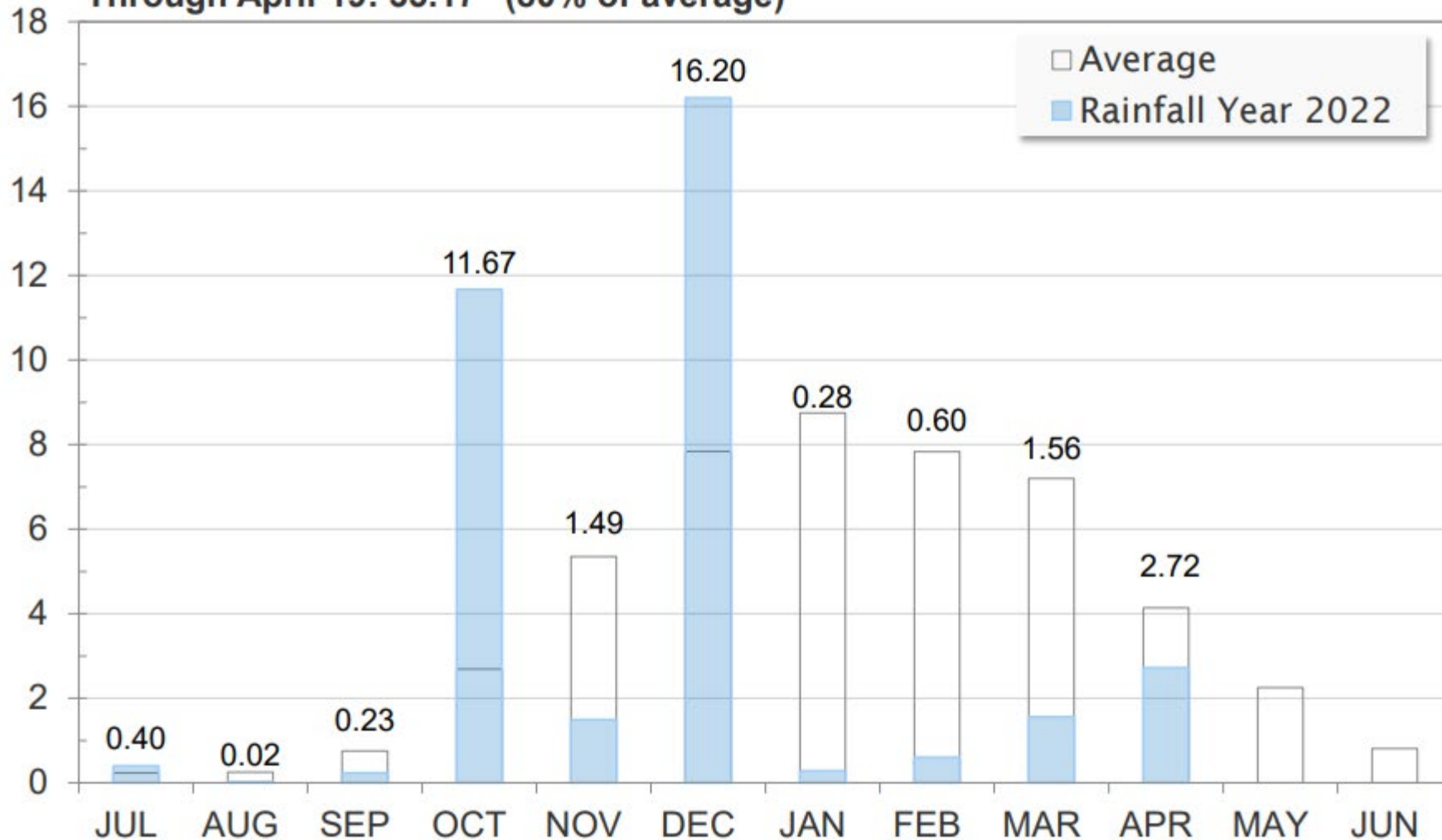


Current Water Supply



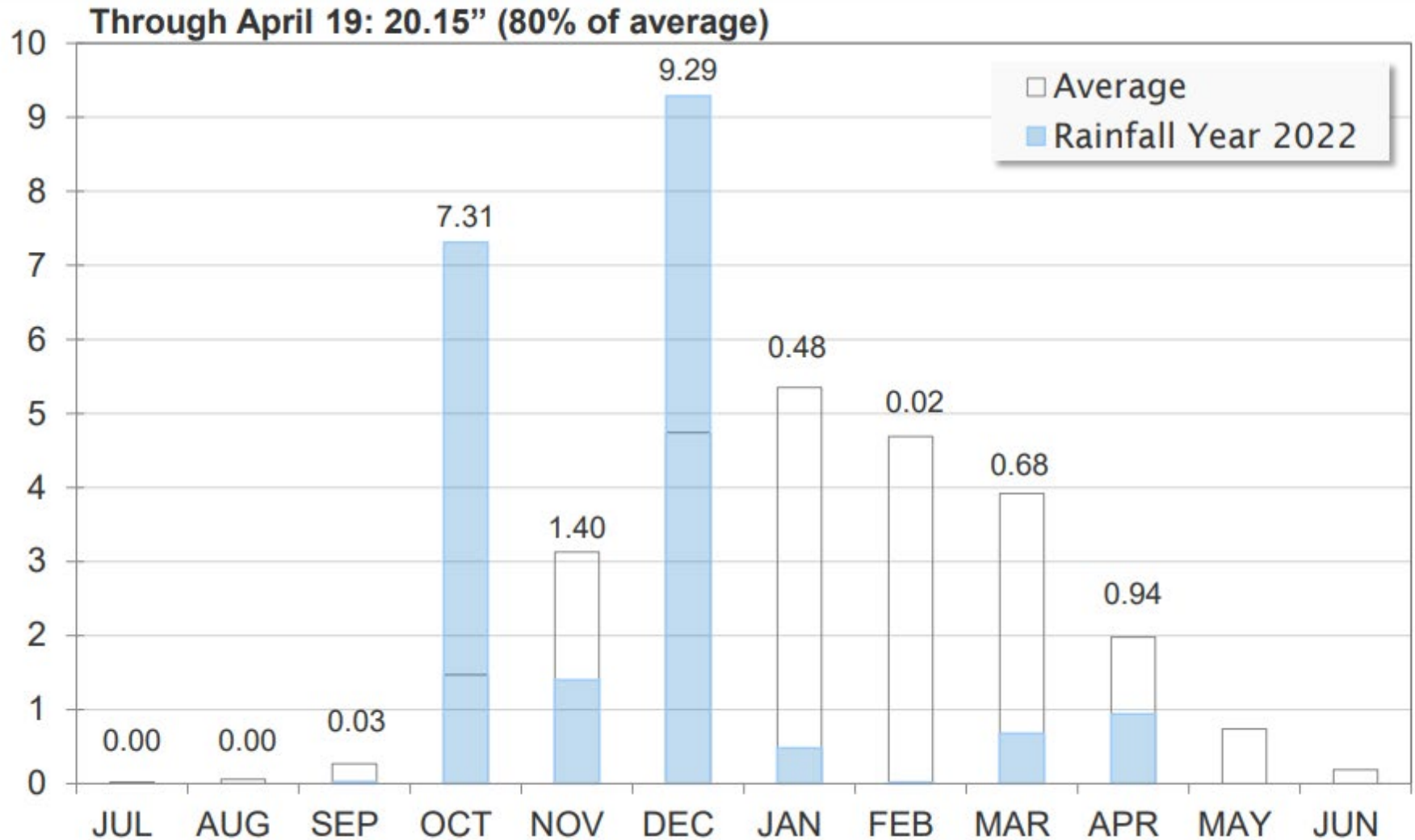
Mokelumne Precipitation

Through April 19: 35.17" (80% of average)



Current Water Supply

East Bay Precipitation



Water Rates

Single Family and Commercial



- Sold in “units” – 1 unit equals 748 gallons
- Single Family Residential
 - Tier 1 (first 172 gallons) - \$4.42
 - Tier 2 (173 to 393 gallons) - \$6.08
 - Tier 3 (394 and up) - \$8.03
- Commercial
 - Flat rate - \$6.22
 - Wastewater Rates ~ \$4.00 to \$10.00 plus
 - Depends on business type
- Rate increases (July 1st) 4% for FY23

Stage 2 Drought By the Numbers



- 10% mandatory use reduction:
 - a District-wide goal
- More conservation in Summer than in winter
 - Irrigation has biggest savings potential
- 8% surcharge on volumetric use
 - Effective July 1st
- For more information:
www.ebmud.com/drought

Local Agency Comparison



Agency	SFR Tier 1 or Uniform Rate \$ Per CCF	Drought Surcharge \$ per CCF	Surcharge as % of Tier 1/ Uniform Rate (For Comparison Purposes Only)
San Jose*	\$5.07	\$7.13	--
ACWD	\$4.60	\$0.79	17%
Contra Costa**	\$5.36	\$0.79	15%
North Marin***	\$4.94	\$0.75	15%
Pleasanton	\$3.61	\$0.65	18%
San Francisco	\$9.60	\$0.48	5%
EBMUD**	\$4.60	\$0.37	8%
DSRSD	\$5.30	\$0.35	7%
Livermore	\$3.31	\$0.13	4%

*Surcharge only applies to customers exceeding allocation.

**Proposed drought rate for 7/1/2022.

***North Marin Tier 2 rate is shown, as the drought surcharge does not apply to the Tier 1 rate.

Water Use Restrictions - Irrigation



Don't irrigate more than three times per week



Only irrigate before 9 AM or after 6 PM



No irrigation within 48 hours of measurable rainfall



No irrigation that causes runoff

Other Water Use Restrictions



No filling decorative fountains that don't recirculate



No washing down sidewalks, driveways, etc.



Use a hose with a shutoff nozzle to wash your car



Restaurants and bars should only provide water upon request

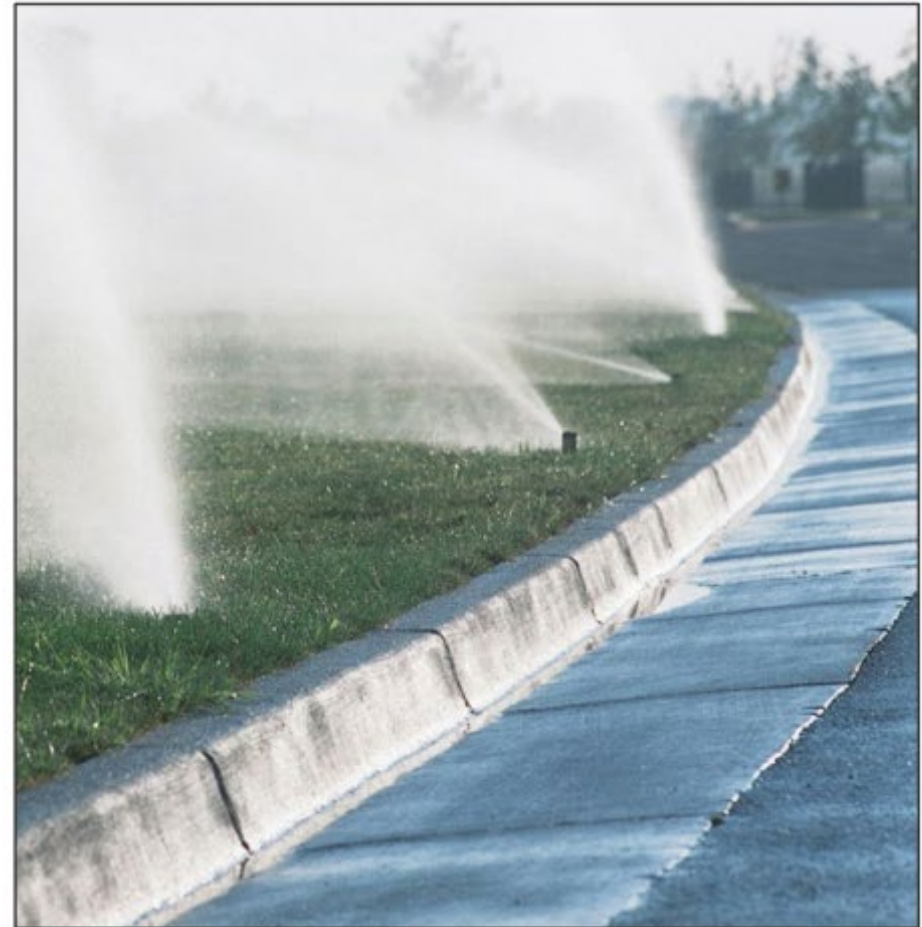


Hotels must ask if patrons want their linens and towels washed daily

Excessive Water Use Penalty Ordinance



- Required by State law
- Applies to single family residential customers
- \$2 per unit (ccf) above threshold
- Stage 2 threshold is 66 units/month (roughly 1,646 gallons per day)
- First exceedance is a warning
- Outreach to high users upon activation of Ordinance



What Are We Asking Our Customers To Do?



1. Irrigate efficiently



2. Find and fix leaks



3. Be mindful of indoor use



EBMUD Commercial Irrigation Program Offerings



- **NEW** rebates
- Water Budget program
- Tracking usage online
- Consultations
- New commercial landscapes – MWELO

Landscape and Irrigation Rebates

up to **\$2,000** for single family and **\$15,000** for commercial properties every 2 years

- **Lawn Conversion (\$0.75-\$1.50/sq. ft.)**
 - **Flow Meter (up to \$200)**
 - ET Controller (\$75+)
 - **Drip for Trees, Shrubs (\$0.25/sq.ft.)**
 - HE Rotating Nozzles (\$3 each)
 - **Pressure Regulators (\$75-\$125)**

→ ebmud.com/rebates

NEW Rebates!



Super Rebate

Adopt **all** the following best practices in your project to qualify for double the standard rebate:

1. Sheet mulch to remove lawn
2. Add compost to replenish the soil
3. Choose native plants for local conditions
4. Plant in the cool season, from September through April



To apply: First step – CONTACT US...

Non-Functional Turf



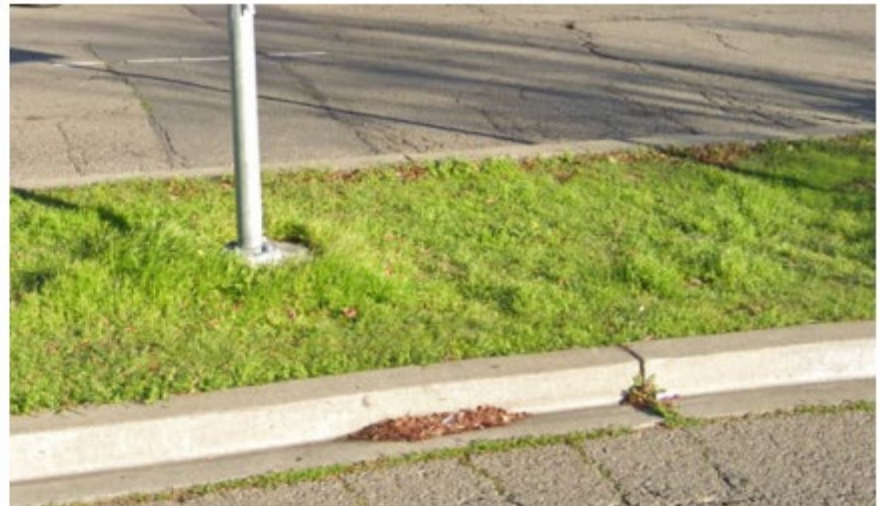
- *“Nonfunctional” is defined as “turf that is solely ornamental and not regularly used for human recreational purposes or for civic or community events. Nonfunctional turf does not include sports fields and turf that is regularly used for human recreational purposes or for civic or community events.”*
- *Bottom Line – if the only time someone is on the lawn and they have a lawnmower in front of them...*

NEW Rebates!



Median Strip Rebate

- Commercial customers-only (includes multi-family over 4 units)
- Lawn must be currently irrigated by an overhead spray irrigation system.
- Project area must be a narrow strip of irrigated lawn surrounded by hardscape (e.g. sidewalk, street, parking lot).



Dedicated Irrigation Water Meters



Water Budget Customer

EAST BAY MUNICIPAL UTILITY DISTRICT



Recommended Water Budget

Thank you for participating in our Landscape Irrigation Water Budget Program. The following is your customized water usage profiles for the last two years. EBMUD records indicate that this account primarily serves landscape irrigation. The graphical description compares your measured water usage versus your budgeted water usage for each billing period.

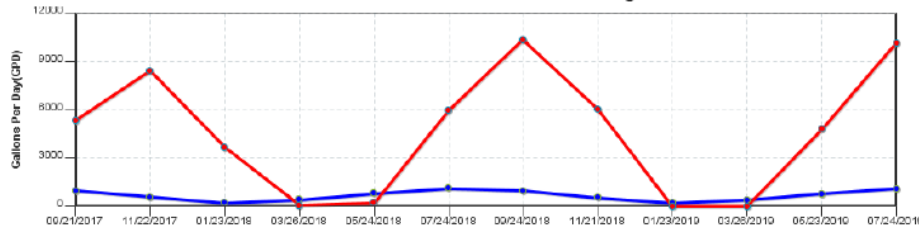
Customer Name:
 Service Address:
 City:
 Account #:
 Meter #:
 Est. Irrigated Area(sq. ft): 13242



Irrigated Area at 1303 Powell St # IRR

Water Budget Summary	Used	Budgeted
Gallons used last 12 months	1,891,692	237,704
Gallons used previous year	1,436,908	244,464

Used: 3,328,600 Budget: 482,168 Percent: 690%
 Meeting your water budget could have saved you \$ 19,429



Billing Period	09/21/17	11/22/17	01/23/18	03/26/18	05/24/18	07/24/18	09/24/18	11/21/18	01/23/19	03/26/19	05/23/19	07/24/19
Budget(GPD)	952	556	216	397	802	1122	937	544	204	389	757	1085
Consumption(GPD)	5312	8385	3643	36	216	5947	10315	6010	0	0	4772	10110
Evapotranspiration(ET)	9.72	5.97	2.32	4.26	8.19	11.85	10.05	5.46	2.22	4.17	7.6	11.64

*ET=Represents the estimated water need of cool season grass (in inches) for each billing period. The Water Budget Calculation does not use rain, typically irrigation systems can be turned off for the winter months of November, December, January, and February. The Maximum Allowable Water Budget, effective January 2010, is calculated using the new Model Efficient Landscape Ordinance from the State of California, Department of Water Resources (DWR). If you feel the irrigated area is not accurate or would like more

EBMUD Commercial Irrigation Consultations



Audit topics

Consumption History

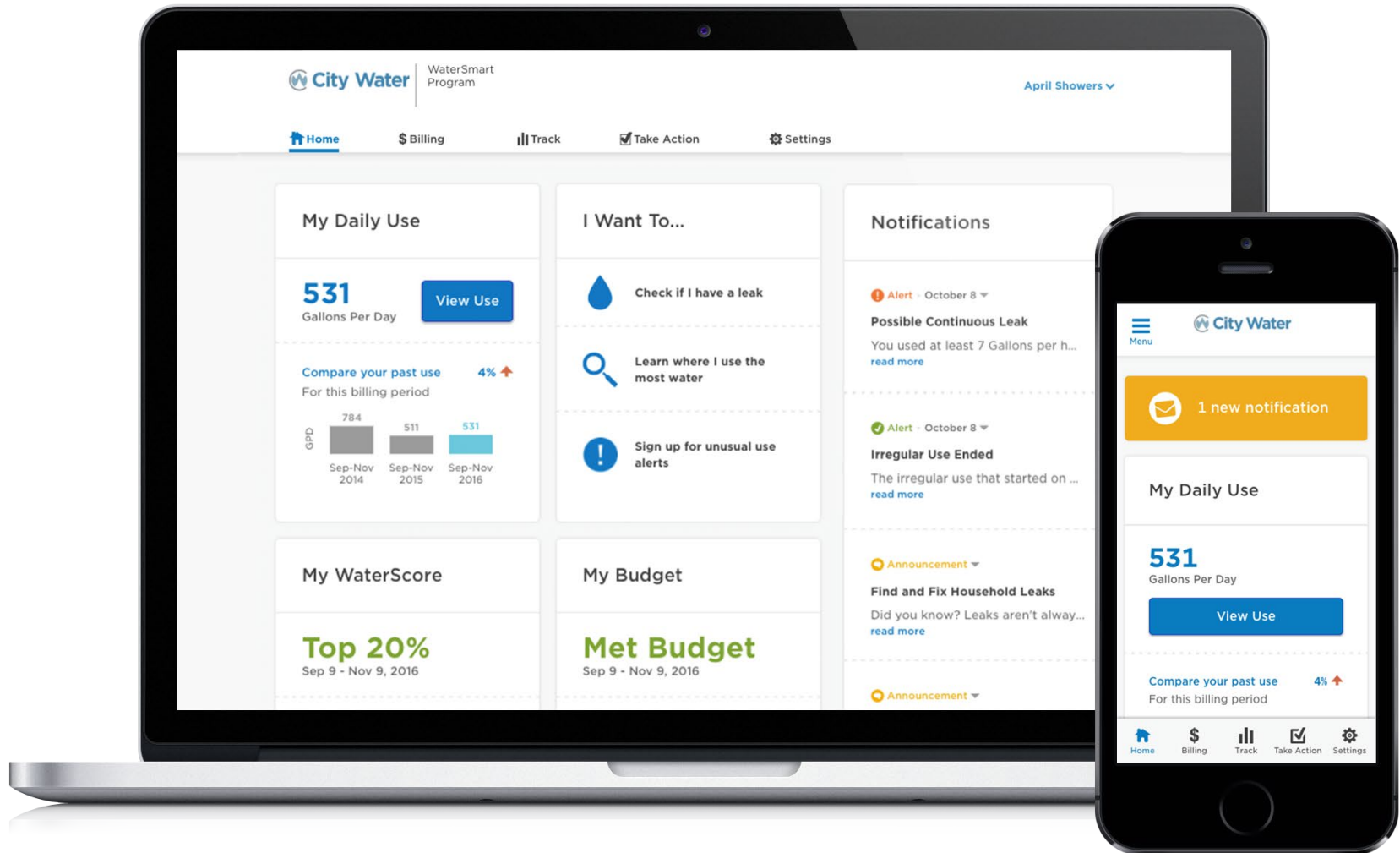
Irrigation system components

Identify where water and dollars can be saved

Water Budget - if applicable

Rebate opportunities

Track Water Usage Online



<https://www.ebmud.com/mywaterinfo>


Sign up for My Water Use (search for “ebmud my water report”)



EBMUD offers a FREE online portal to all customers to help track and manage water use.

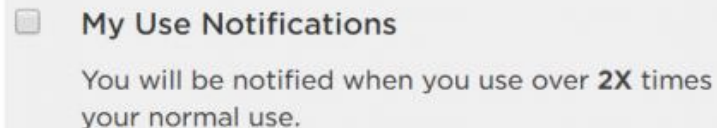


Step 1: Sign in

First-time user: make sure you have your EBMUD account number on hand, and follow these instructions. 

Step 2: Set up leak and high use alerts

Notifications via text message or email are helpful when you use autopay for bills, and might not notice an important increase in your water bill.



<https://www.ebmud.com/mywaterinfo>

Custom Rebates



- PTG Linen
 - Water and Energy Incentive
- Upgrade Cost: \$150,000
- EBMUD Incentive \$14,500

- Cumulative Savings 2.5 yrs.
 - \$258,800
 - 12,837,700 gallons saved
 - 101,000 therms saved
 - 606 megatons of CO2



Montara HOA



- 1st Drip Conversion, 7,800 sq.ft. in 2020
 - 2019 peak use 4,130 gpd
 - 2021 peak use 2,190 gpd
- 2nd Drip Conversion, 8,210 sq.ft 2020
 - 2019 peak use 3,950 gpd
 - 2021 peak use 2,084 gpd



Converted Areas



Gateway Buena Park Inc.



- 17,650 sq.ft. of drip and high-efficient nozzle (Lots of median strips)
 - 2018 peak use 7,323 gpd
 - 2021 peak use 3,335 gpd



High Efficient Nozzles and Drip



Questions? Want to Sign Up?



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Sign up for water alerts

LEARN MORE

