



# Water conservation tips for your home & garden

October 19, 2023

**Geneva Gondak**

Supervisor of Water Conservation

East Bay Municipal Utility District

# What we'll cover

- Our water supply
- Tips to use water wisely
  - Track your usage
  - Look for leaks
  - Efficient indoor use
  - Waterwise gardening tips
- EBMUD rebates & resources

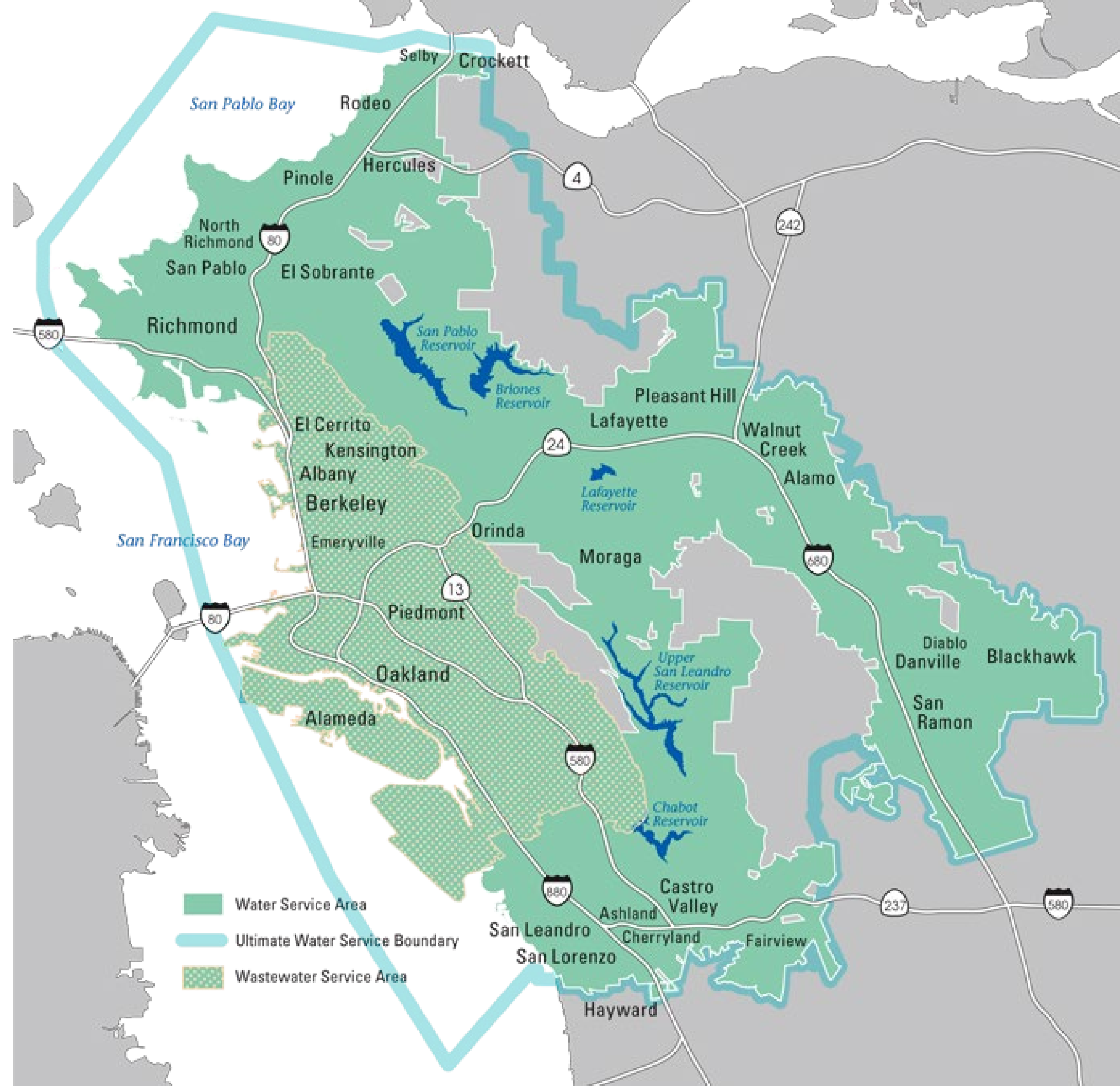


# Our Water Supply



# EBMUD Water and Wastewater Service Areas

- Alameda & Contra Costa Counties
- 1.4 million water customers
- 685,000 wastewater customers
- > 4,200 miles of pipe

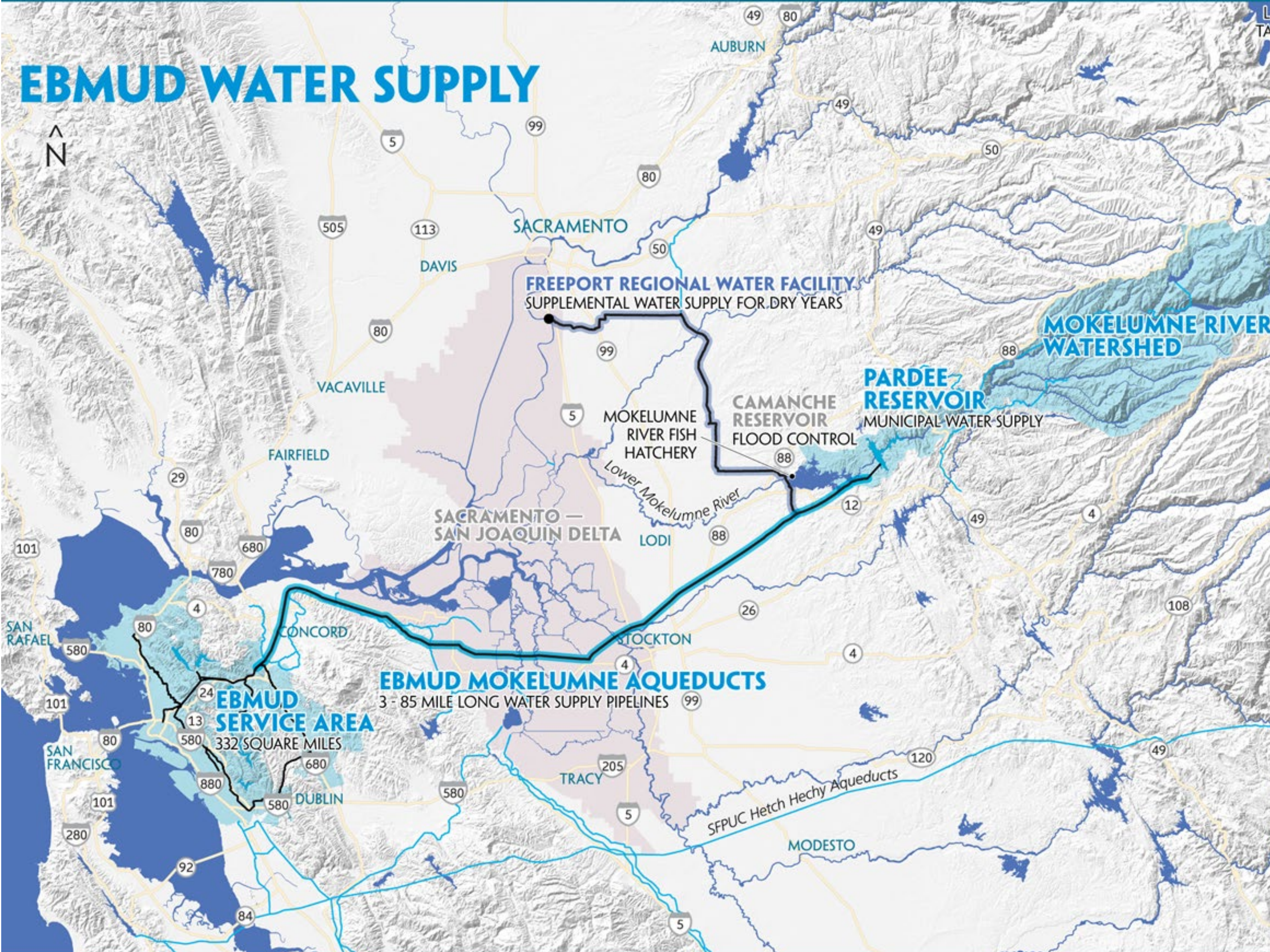


# Mokelumne River Watershed

- 627 square miles of pristine, protected watershed
- 90% of our water is from snow melt
- 325 million gallons of water daily



# EBMUD WATER SUPPLY



# EBMUD moves out of drought



EBMUD customers saved 10 billion gallons of water during drought- Thank you!

Total System Water Supply is 87% full.

Weather extremes become more frequent with climate change.

Water conservation is just a part of daily life as Californians!



# Tips to use water wisely





# Track your water use

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



**LOG ON**

Register to access your data



**GET NOTIFIED**

Sign up for alerts



**SAVE**

Money saving actions

- [ebmud.com/trackusage](http://ebmud.com/trackusage)
- Create an EBMUD ID to log in, and link to your water account #

# Track your water use at ebmud.com



Sign in | items

CONTACT US JOBS BUSINESS CENTER SITE MAP STORE

EAST BAY MUNICIPAL UTILITY DISTRICT

Search EBMUD ...

Customers Water Wastewater Recreation About us



- Alerts and outages
- Pay your bill
- Start service
- Trail permits
- Alert subscriptions
- Board meetings
- Help with your bill
- Report leaks



# Your account

Home / Customers / Your account



### Payment options

Compare ways to pay your bill: online, by phone, dropbox, and pay station locations for cash payments.



### Manage your account

View past statements and payments. Request a payment extension. Stop your water service. View and change your account information.



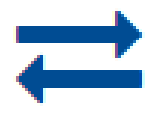
### Enroll in paperless billing

Set up automatic payments from your bank account and go paperless. This is a free and convenient option to pay your bill online.



### See Your Water Report

Set high use leak alerts, track historical water use, and get personalized tips on how to save water. Learn more: [ebmud.com/mywaterinfo](http://ebmud.com/mywaterinfo).



### Start, stop or transfer service

New to the area? Moving out? Start, stop or transfer existing water services using our online portal.



### Order a trail permit

A trail permit is needed to access many of our reservoirs and recreation areas. Purchase, renew, or view and print an active permit.



### Help with your bill



### Alert subscriptions

## Questions?

EBMUD is here to help. Please review our most frequently asked questions and resources below.

- **Setting up your online account** Instructions to manage your account online.
- **Billing questions** Find answers to your billing related questions, from high bills to financial assistance.
- **High bill and leaks** Learn about the most common causes for high bills, and how to fix them.

## Contact Us

- Email: [customerservice@ebmud.com](mailto:customerservice@ebmud.com)
- Phone: 1-866-403-2683
- Customer service hours: 8 a.m. to 4:30 p.m., Monday through Friday.

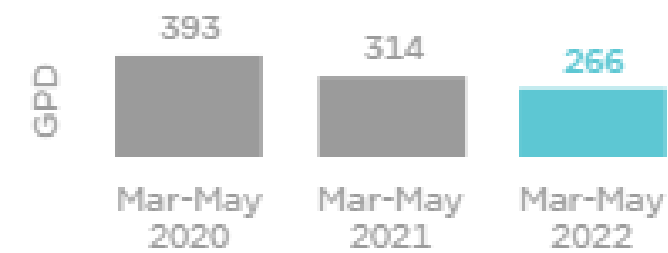
### My Daily Use

**266**

Gallons Per Day

[View use](#)

[Compare your past use for this billing period.](#) **-15%** ↓



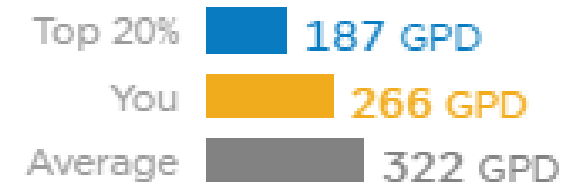
### My WaterScore

**Nice Work**

Mar 9 - May 6

Nice work, WaterSaver. Continue to use water wisely.

[Who am I compared to?](#)



### Notifications

**Alert** - May 12 ▲

#### Unusual Use Notification

Your use from Mar 9, 2022 - May 6, 2022 was 266 Gallons Per Day. That's 1.6 times higher than normal for this time of year.

[Track your use](#)

**Announcement** ▼

Add a shortcut to the Portal on your mobile phone

Did you know that you can a... [read more](#)

**Announcement** ▼

#### Get help paying your bill

There is no question about it... [read more](#)

**Announcement** ▼


### I Want To...

 [Check if I have a leak](#)

 [Understand a high bill](#)

 [Sign up for unusual](#)

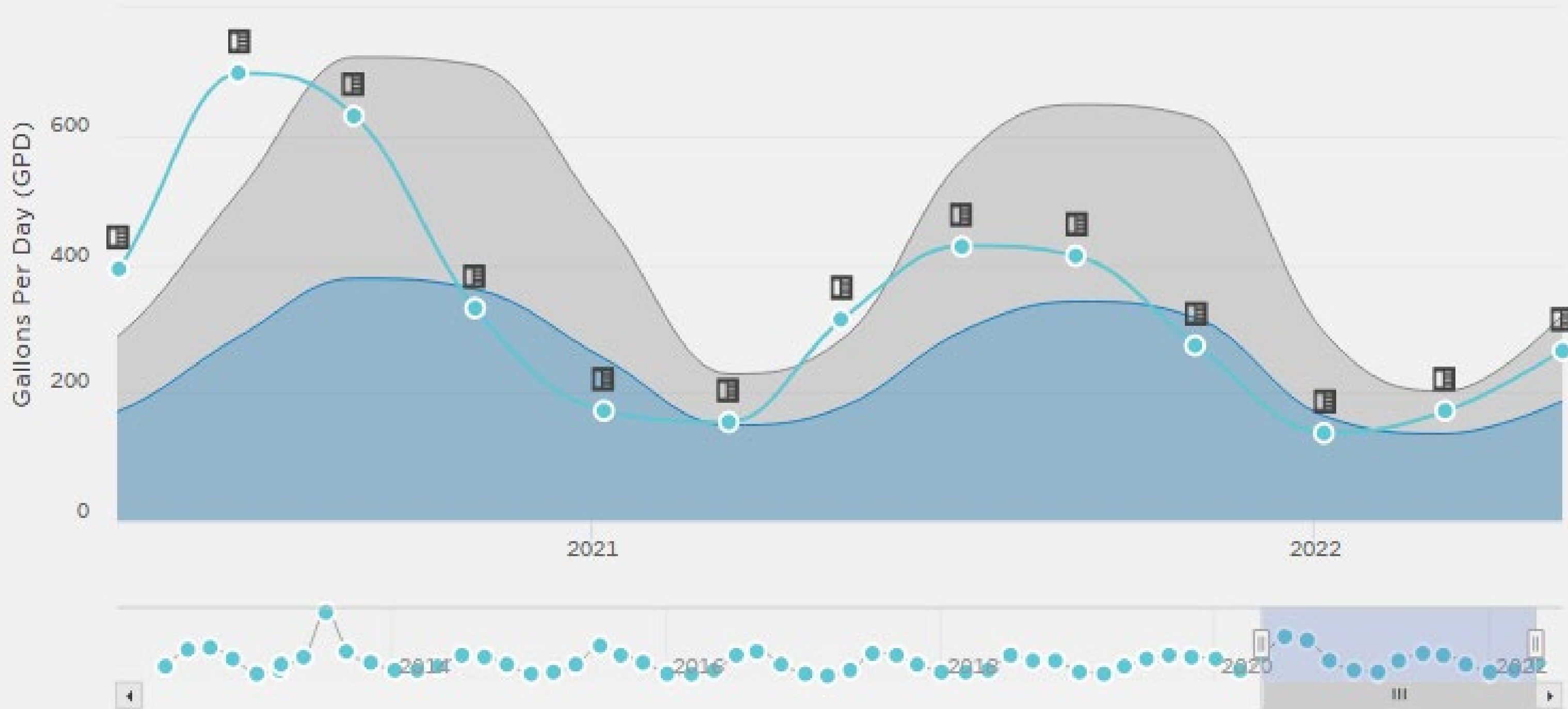
### Tweets by @ebmud

 **East Bay Municipal Utility** @ebmud  
 Over the next several weeks, @GiveBackAdventures will travel the path of EBMUD's water, from Mokelumne Hill to the San Francisco Bay, by any means humanly possible. Follow his epic journey on the Foothill Conservancy page [facebook.com/foothillconser...](https://facebook.com/foothillconser...)

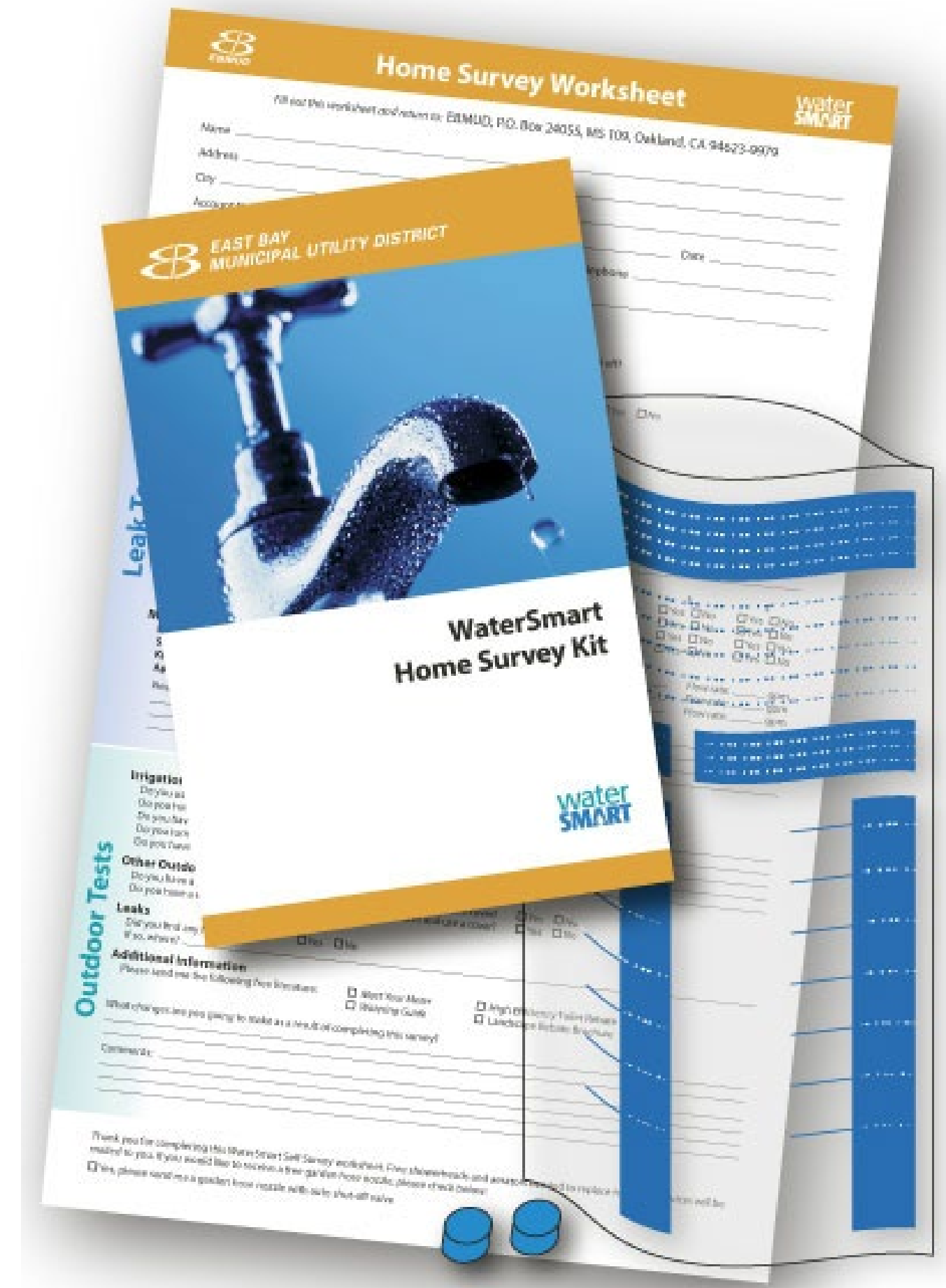
# Overview

● You 
 ● Average Households 
 ● Top 20% 
 ☰ Water Report

☰ May 5, 2020 — ☰ May 5, 2022



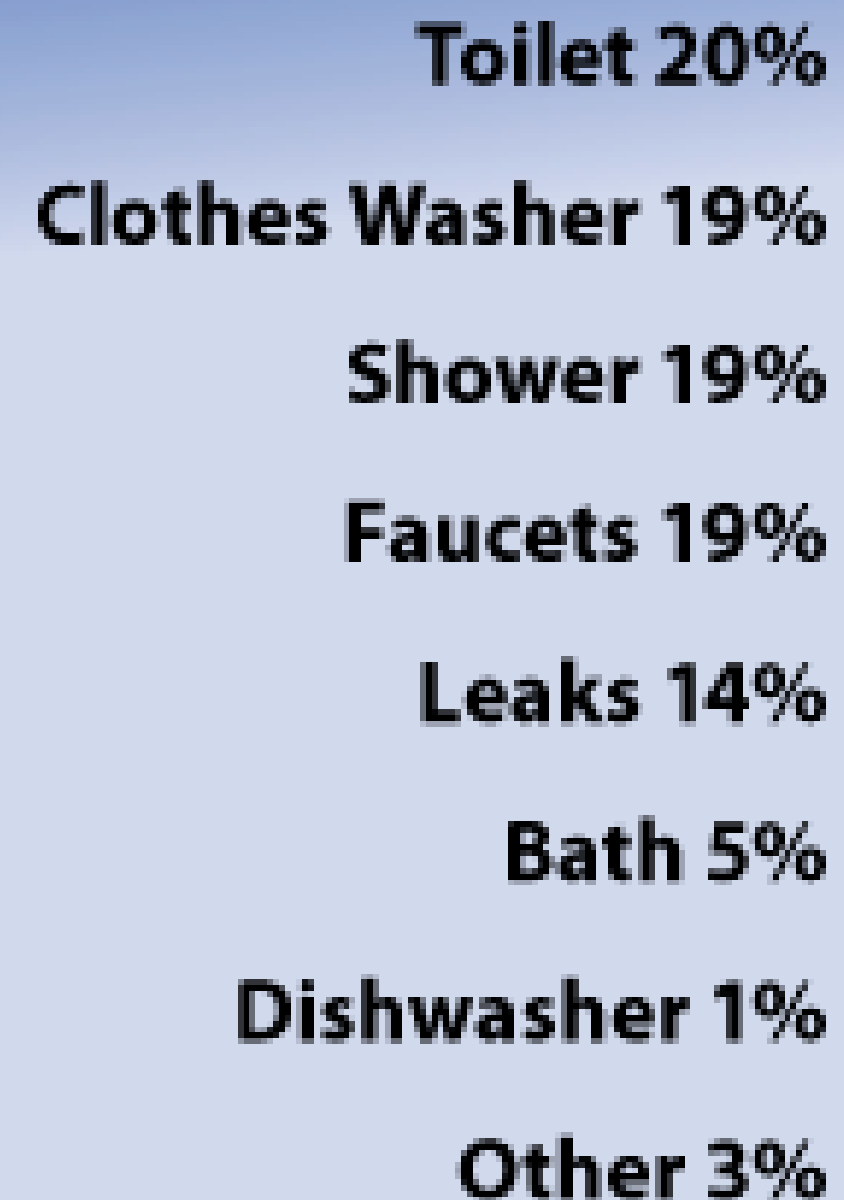
- 1 in 4 homes has at least one toilet leak, every home will get a leak
- Toilets and irrigation systems are most common leaks
- Install a flowmeter for automatic leak alerts
- Not sure where to start? EBMUD Home Survey Kit!
  - [ebmud.com/homesurveykit](http://ebmud.com/homesurveykit)



# Save Water Indoors






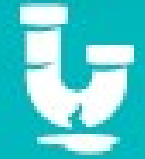
- Run full loads of laundry
- Take shorter showers
- Install efficient showerheads and faucet aerators
- Replace appliances with EPA WaterSense labeled fixtures

## Average Indoor Household Water Use



# Efficient Indoor Water Use



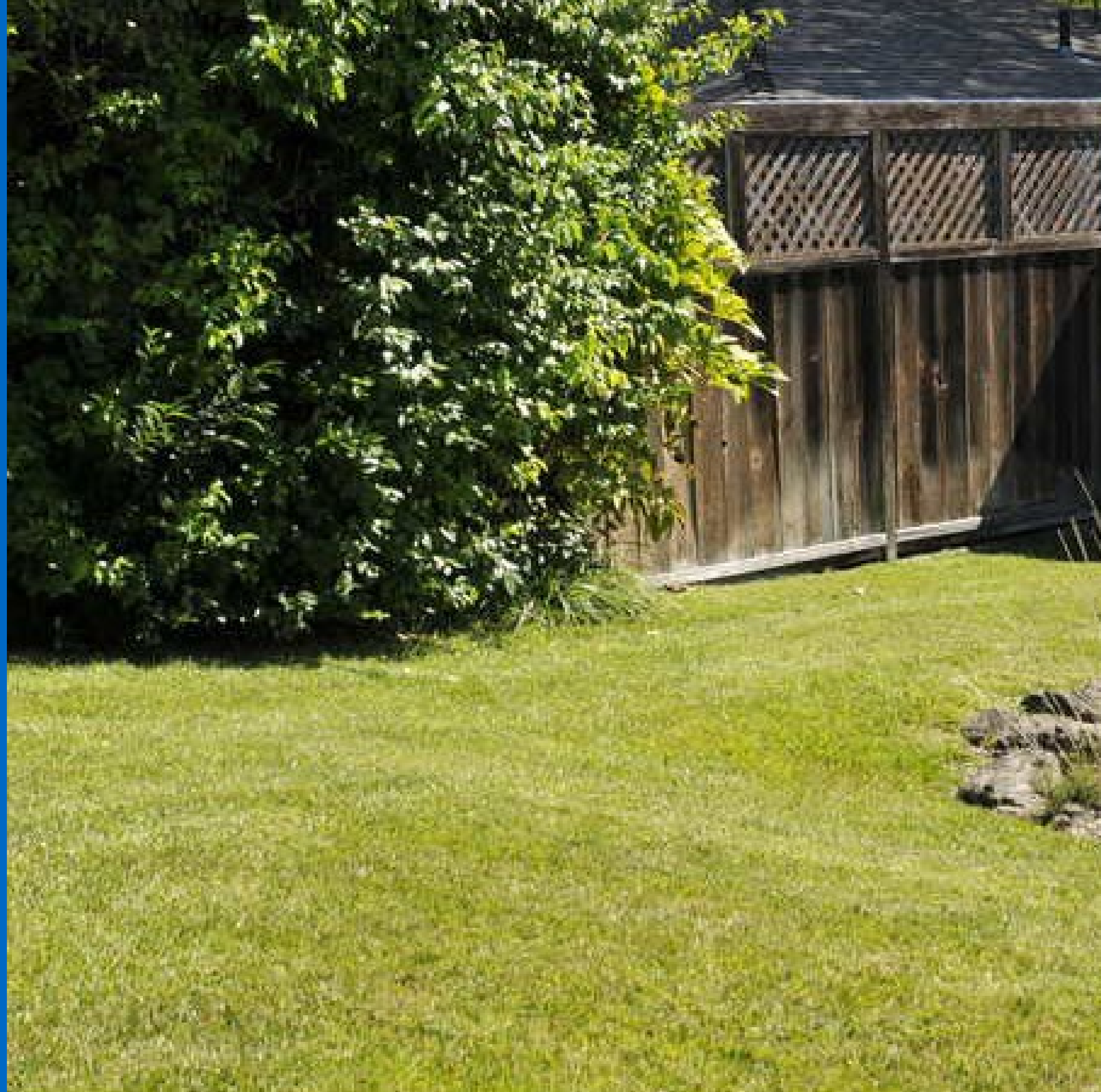
How can you use less than 35 gallons a day?		
	Take a five-minute shower	9 gallons
	Flush toilet five times	6.5 gallons
	Run bathroom faucet for three minutes	3.5 gallons
	Run kitchen faucet for five minutes	9 gallons
	Do laundry twice a week	3.4 gallon daily average
	Run dishwasher twice a week	1 gallon daily average
	Fix leaks to eliminate water waste	0 gallons
Average daily usage		about 33 gallons!

\*Numbers based on efficient fixtures. Look for EPA WaterSense label to ensure efficiency!



# Save Water Outdoors

- Transform lawn into beautiful waterwise gardens
- Upgrade outdated, inefficient irrigation equipment
- Check for leaks and overspray
- Check your irrigation schedule
- Tip: EBMUD programs & rebates!



# Save Water Outdoors

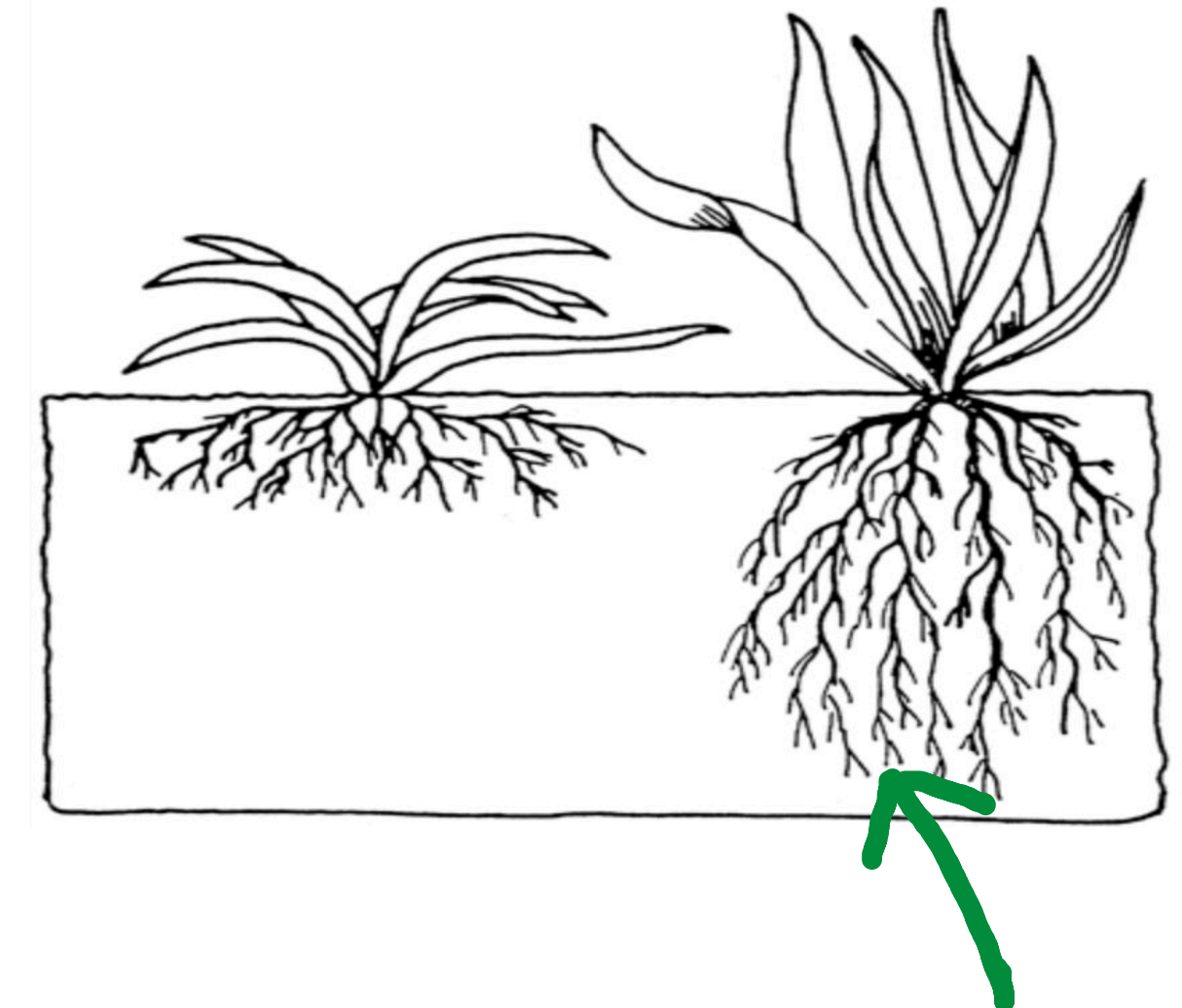
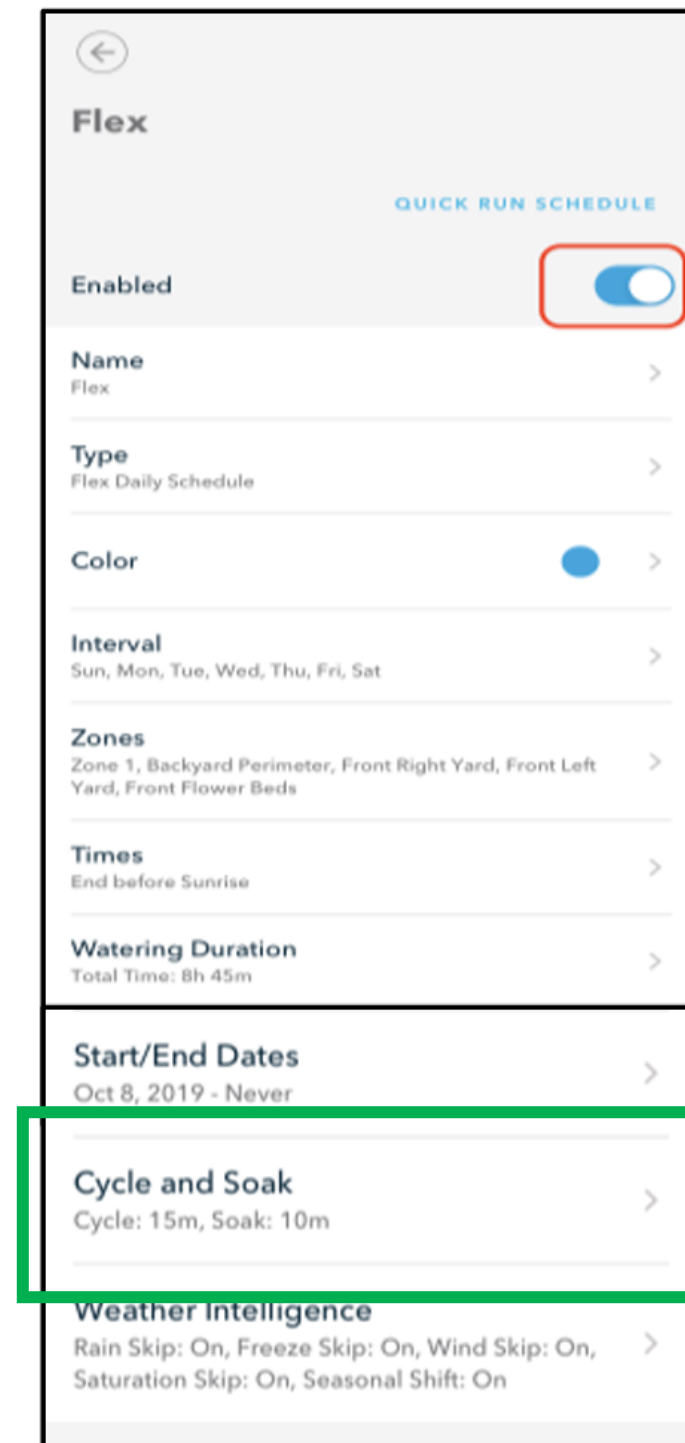
- Transform lawn into beautiful waterwise gardens

...will help you be more resilient for future climates!



1. **Water early** in the morning, avoid evening watering

2. “Cycle and soak” - water **deeply and less frequently**



Water to encourage deep roots

## 3. Review your **watering schedule**

*Is your smart controller still smart?*

- Are your zone settings still accurate?
- Turn on weather features (rain, freeze, wind)

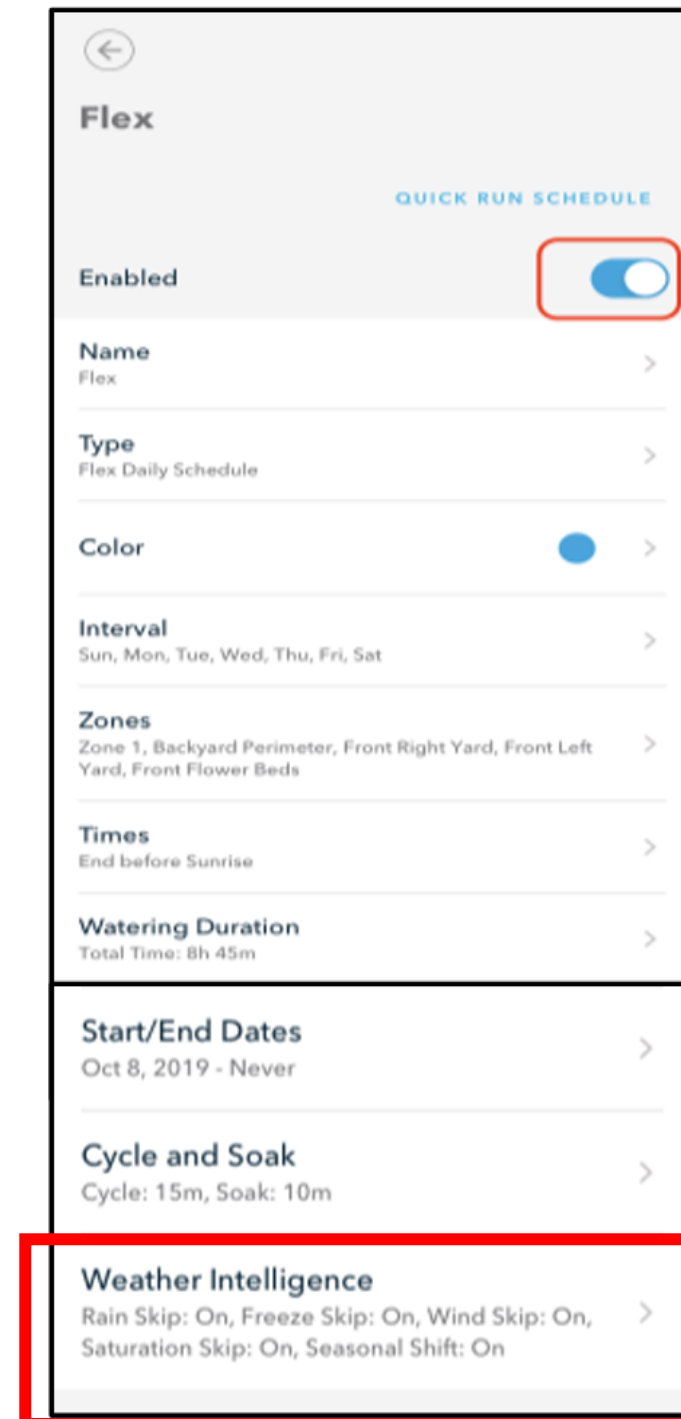


Image source of Hunter Industries

# Top Watering Tips



## LAWN & LANDSCAPE WATERING SCHEDULE

SPRINKLER / DRIP TYPE	LAWN			LANDSCAPE								
	Pop-Up/ Fixed-Spray Sprinkler	Impact/ Rotor Sprinkler	Multi- stream/ MP Rotator Sprinkler	Pop-Up/ Fixed-Spray Sprinkler	Impact/ Rotor Sprinkler	Multi- stream/ MP Rotator Sprinkler	Drip Emitters 1 gph 2 per plant 0.3" per hour	Inline Drip 0.6 gph 18" spacing 0.43" per hour	Inline Drip 0.6 gph 12" spacing 0.96" per hour	Inline Drip 0.9 gph 12" spacing 1.42" per hour	High Volume Drip 10 gph 1 per plant 1.5" per hour	Micro-Sprays 20 gph 1 per plant 1.6" per hour
CYCLES	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles	3 cycles
TIMING	3-6 minutes	7-10 minutes	15-20 minutes	3-6 minutes	9-12 minutes	20-24 minutes	30 minutes	20 minutes	10 minutes	6 minutes	6 minutes	5 minutes
JANUARY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
FEBRUARY	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
MARCH	1 day per week	1 day per week	1 day per week	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
APRIL	1-2 days per week	1-2 days per week	1-2 days per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week
MAY	2-3 days per week	2-3 days per week	2-3 days per week	1-2 days per week	1-2 days per week	1-2 days per week	1-2 days per week	1-2 days per week	1-2 days per week	1-2 days per week	1-2 days per week	1-2 days per week
JUNE	3-4 days per week	3-4 days per week	3-4 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week
JULY	3-4 days per week	3-4 days per week	3-4 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week
AUGUST	3-4 days per week	3-4 days per week	3-4 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week	2 days per week
SEPTEMBER	3 days per week	3 days per week	3 days per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week
OCTOBER	2 days per week	2 days per week	2 days per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week	1 day per week
NOVEMBER	1 day per week	1 day per week	1 day per week	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
DECEMBER	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

## 4. Perform your **irrigation tune-up**:

- Check your controller
- Turn on each zone/valve, look for:
  - Broken equipment
  - Nozzles or drip adjustments
  - Areas of low pressure or leaks
  - Flooded valve boxes or leaking hose bibs



Photo source: Carmichael Recreation and Parks District



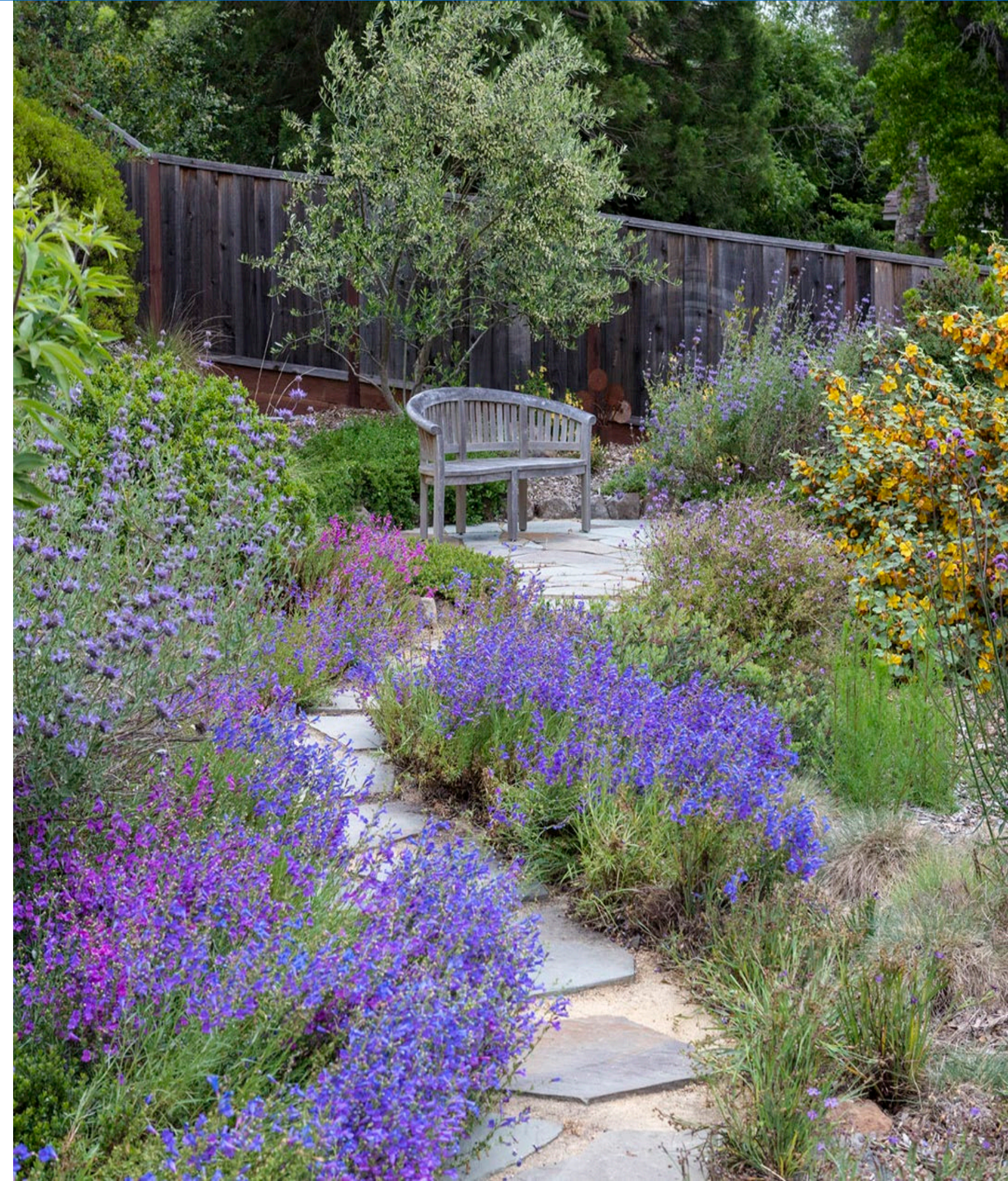
Photo source: Precip-Mate



# Preparing for Fall Planting

*Transform your yard with plants adapted to our climate!*

1. Consider your **hydrozones**
2. Develop your **plant list**
3. Plan your **irrigation** system
4. Is **sheet mulching** for you?
5. Install **mulch** – a gardener's bff!



# Preparing for Fall Planting

## 1. Consider your **hydrozones**

- Group plants on the same valve with similar:
  - Water needs
  - Sun exposure
  - Rooting depth
- Keep trees separate





## 2. Develop your **plant list**

EBMUD PLANTS AREAS REPORTS

### Top 100 Plants

Filters

SEARCH BY NAME  
type to filter

- AREA -
  - Native Plants
- PLANT TYPE +
- HEIGHT +
- WIDTH +
- SUN +
- WATER +
- ATTRACTS +

*Acacia cognata*  
River Wattle  
ACA SUB

*Achillea millefolium*  
Common Yarrow  
ACH MIL

### PLANTING CONCEPT



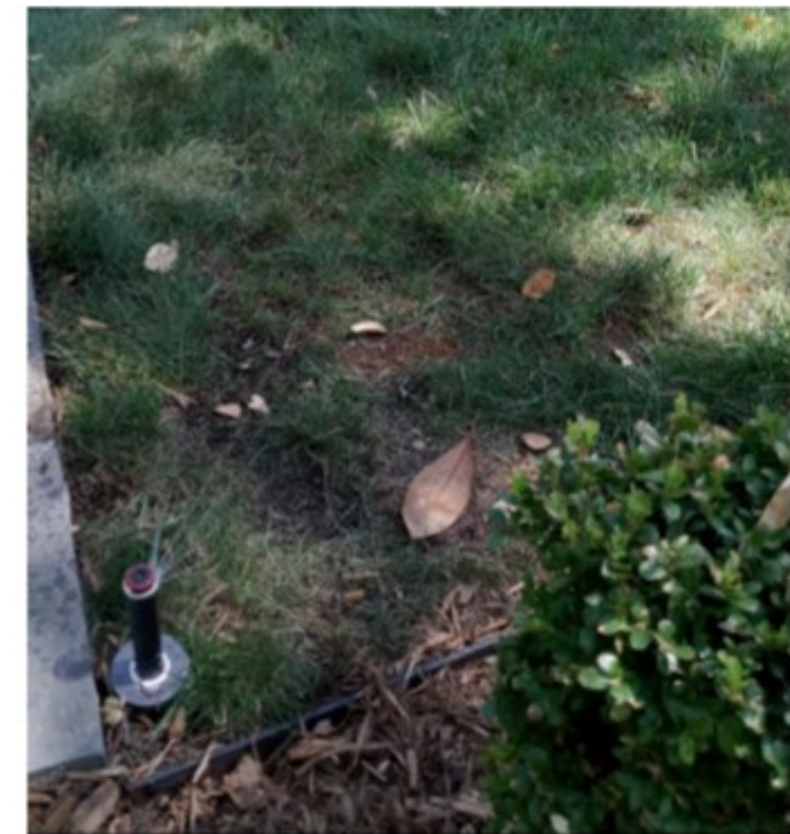
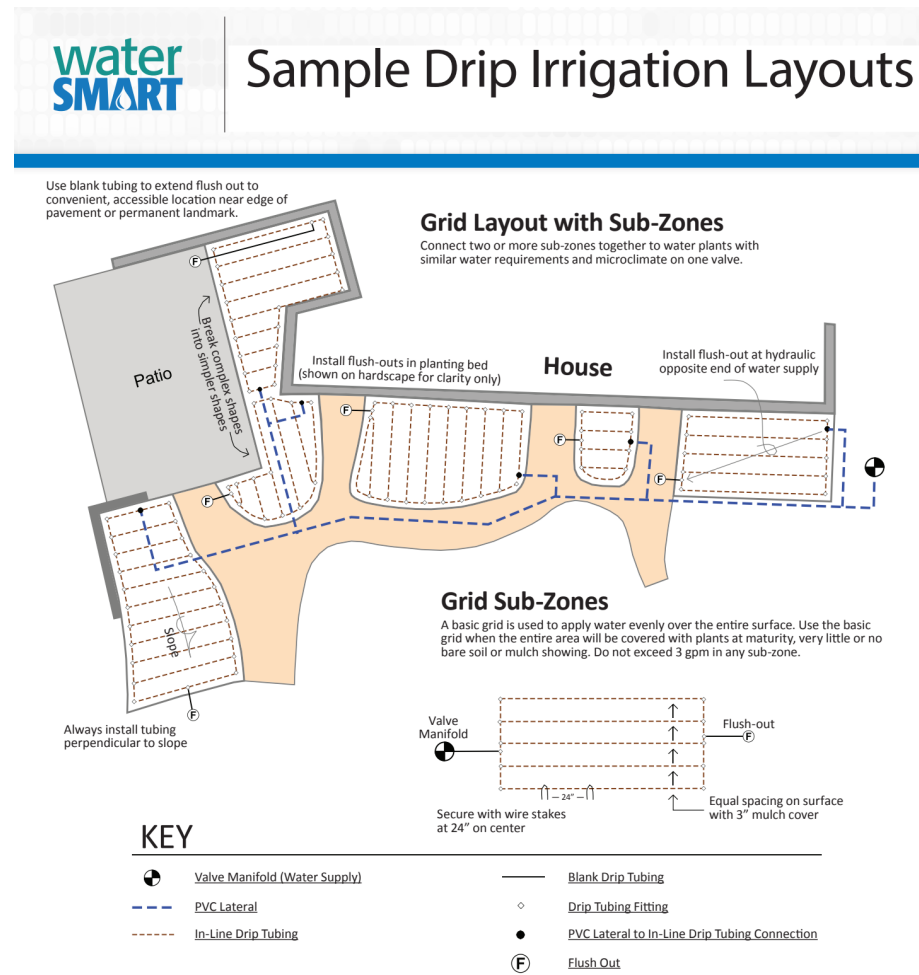
### LEGEND

- 1 Native meadow
- 2 Fruit trees
- 3 Stepping stones
- 4 Rain garden
- 5 Pervious paving with decorative gravel
- 6 Trellis with vine planting
- 7 Decorative boulders in patio space
- 8 Compacted or stabilized aggregate
- 9 Potted plants



# Preparing for Fall Planting

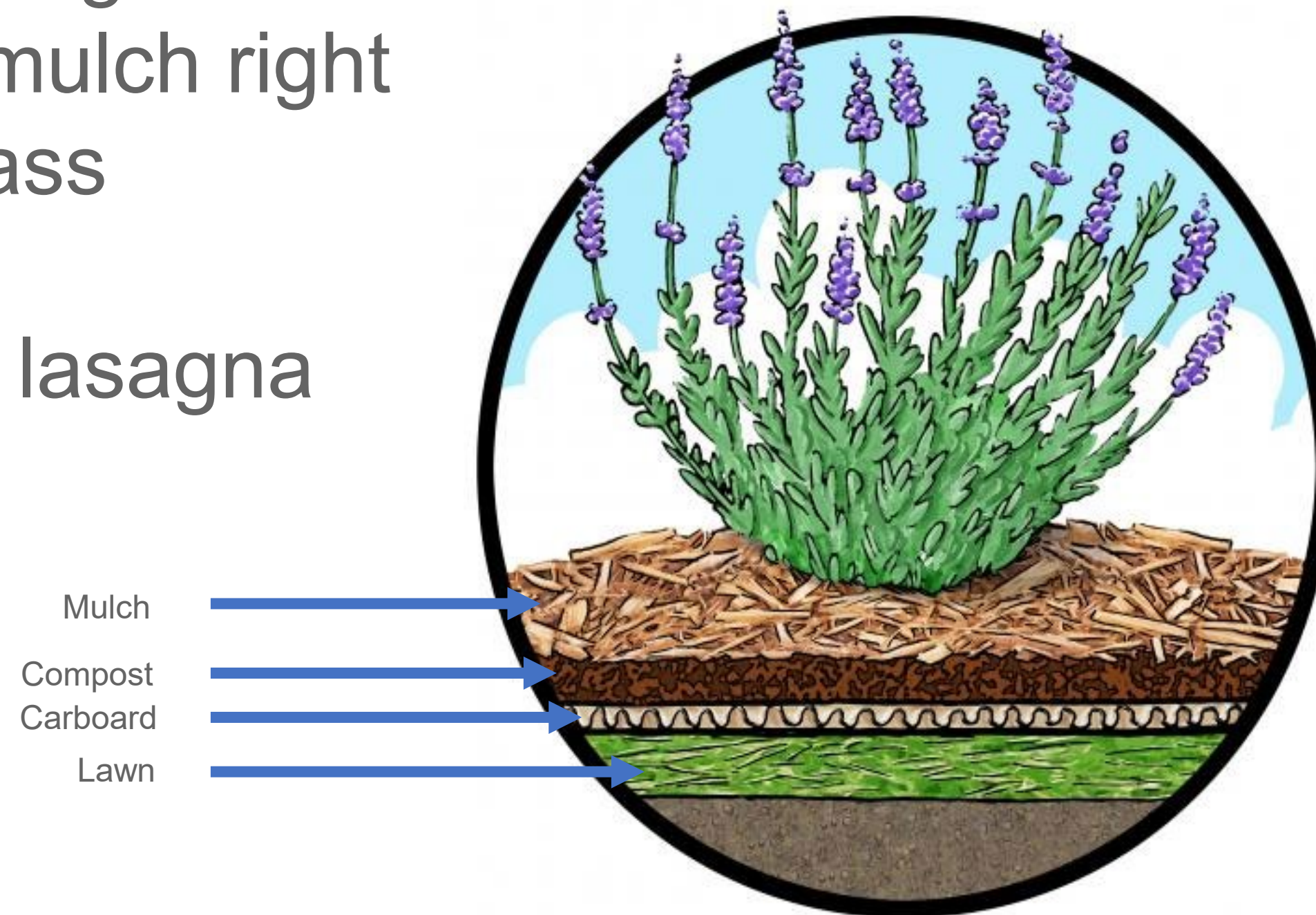
## 3. Plan your **irrigation** system



# Preparing for Fall Planting

## 4. Consider **sheet mulching** your lawn

- Process of layering cardboard and mulch right on top of the grass
- Think of it like a lasagna recipe 😊



# Preparing for Fall Planting

## 5. Install **mulch** – a gardener’s bff!

- 3” layer
- Helps with increased soil moisture, weed suppression, improved aesthetics
- Mulch and compost coupons are available on our website



# EBMUD Rebates & Resources



# Landscape Rebates – Up to \$2,000



**Standard Lawn Conversion Rebate: \$1.25/sq.ft.**

**Super Lawn Conversion Rebate: \$2.50/sq.ft.**

- Sheet mulch
- Plant natives
- Plant in the cool season

**Landscape Design Assistance: \$200**

- 2-hour consultation with a professional designer

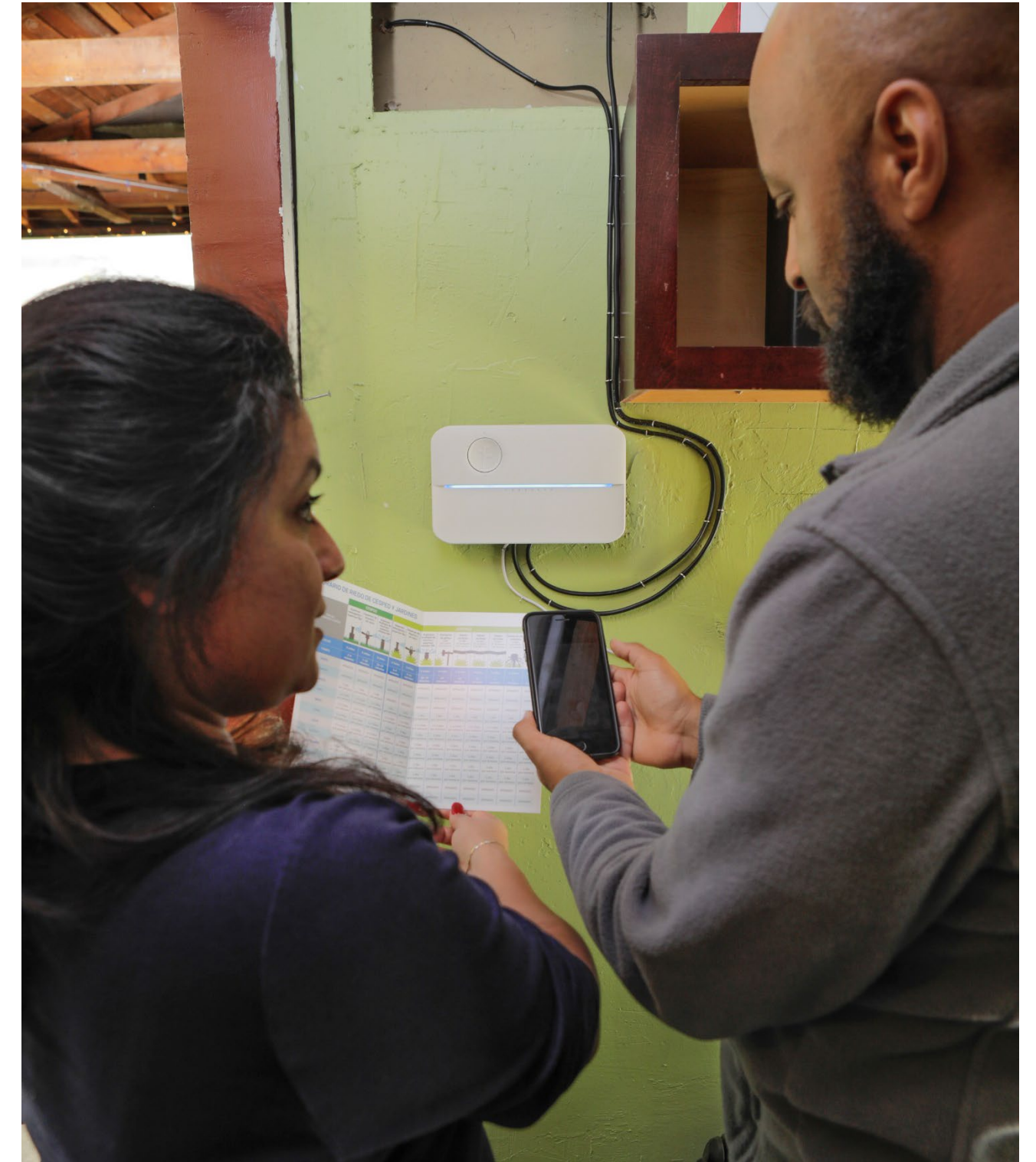


# Landscape Rebates – Up to \$2,000



## Upgrade your irrigation:

- **Sprinkler to Drip Conversion:** \$0.25/sq.ft.
- **Smart Irrigation Controller:** \$100
- **High-Efficiency Sprinkler Nozzles:** \$4/nozzle
- **Irrigation Flow Sensor:** 50% of cost up to \$250



50% device cost, up to \$200

**Don't wait for your next high bill. Get real-time notifications of water waste!**



*Pictured is a water meter photographed from above with a flowmeter attached to the side.*

"I love my flowmeter! Within a day of installation, it notified me about a slow leak from a toilet that we rarely use, and a big leak from a ruptured sprinkler pipe hidden under a bed of ivy. Taking only minutes to install, a flowmeter should be on every homeowner's must-have list."

- Norm from Orinda



- Upcoming Webinars
  - 10/20 How to make your garden a biodiversity hotspot
  - 11/2 Native plant favorites for a harmonious garden
- EBMUD WaterSmart Gardens video playlist on YouTube
- Landscape rebate virtual office hours: Tues. 12-1pm
- [ebmud.com/conservation](https://ebmud.com/conservation)
- Contact us at: [waterconservation@ebmud.com](mailto:waterconservation@ebmud.com)

# Multi-benefits of Water Conservation



**Thank you!**



**FLOWING  
INTO  
THE  
FUTURE**

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