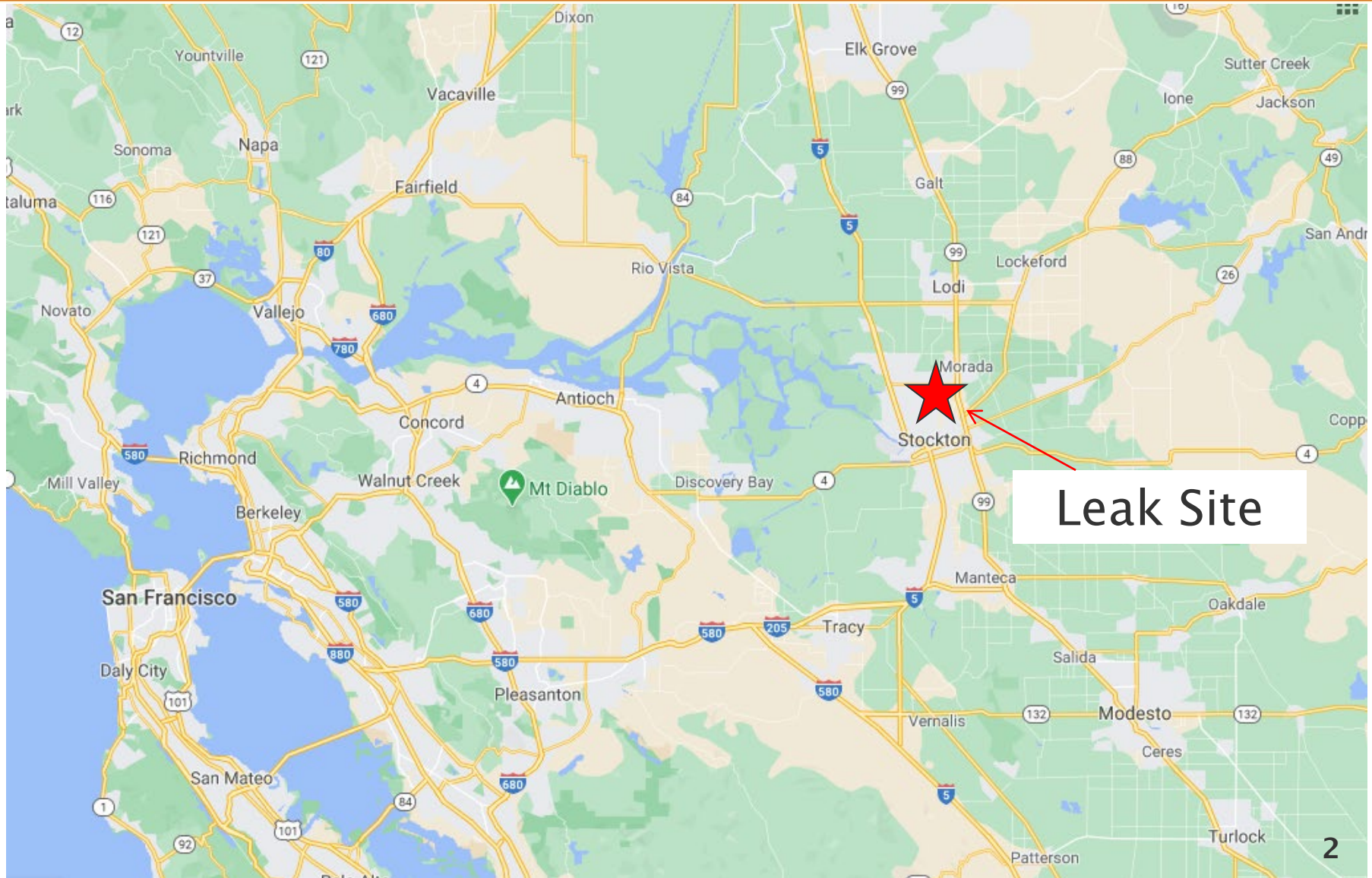


# **Mokelumne Aqueduct No. 2 (MOK2) Leak Close Out of Emergency Declaration**

Board of Directors

October 12, 2021

# MOK2 Leak Location





# MOK2 Leak Location



# Timeline (Aug – Oct 2021)



- 8/6 Leak discovered
- 8/9-17 Site assessment and repair plan
- 8/18 Emergency Declaration
- 8/19-9/10 Contracts and railroad approval
- 9/13-25 Repair construction completed
- 9/27-10/4 Refill and resume operation



# Developing the Repair Plan



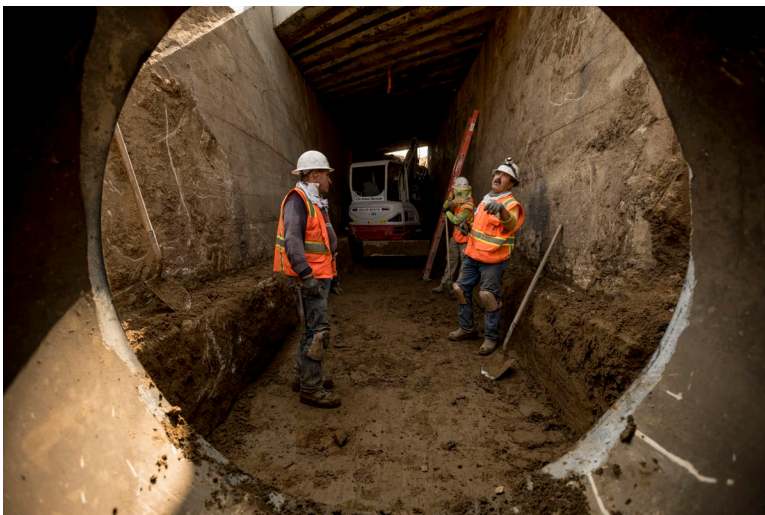


# MOK2 Leak Repair





# MOK2 Leak Repair





# MOK2 Leak Repair



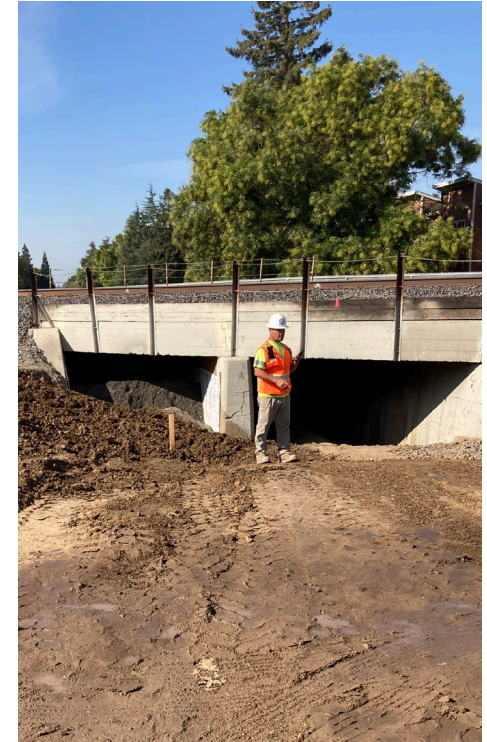


# MOK2 Leak Repair





# MOK2 Leak Repair





# Managing & Inspecting the Repair



# MOK2 Leak Repair Costs



- Ranger Pipeline = \$ 790,500
- Wiss, Janney, Elstner = \$ 20,000
- Jifco = \$ 19,620
- Inspection Services Inc. = \$ 13,000 (est.)
- Union Pacific inspection = \$ 26,000 (est.)
- District Labor = \$ 200,000 (est.)

Total = \$1,069,120 (est.)



# Next Steps



- Conclude Emergency Declaration
- MOK2 Relining Phase 1
  - Reline 2 miles of MOK2
  - Construction Winter 2022-2023
- MOK1 Recoating Phase 13
  - Recoat and backfill MOK1 in same area
  - Construction Fall 2023



# Acknowledgements



- District work groups
  - Water Supply Division - Pardee & Aqueduct Sections
  - Pipeline Infrastructure Division – Large Diameter Pipeline Section
  - Construction Division – Survey, Plant and Field Inspection, and Construction Management Sections
- Contractors
  - Ranger Pipeline
  - Union Pacific Railroad
  - Wiss, Janney, Elstner
  - Inspection Services, Inc.



# **Racial Equity and Justice Project and Diversity, Equity, and Inclusion Strategic Plan Update**

Board of Directors

October 12, 2021



# Agenda



- Racial Equity and Justice (REJ) Project and Diversity, Equity, and Inclusion (DEI) Strategic Plan Update
- Schedule and Next Steps



## **Listening to the Voices of Black and African Americans and Other Communities Impacted by Racism and Race-based Violence**

- Black Employee Network (BEN) listening sessions
- Selection of BEN Board
- Professional Development Planning



## Identify Issues and Devise Solutions to the Impacts of Prejudice

- Integration of supplemental focus group data as an addendum to the Winters Cultural Audit

## **Review and Enhance District Policies and Procedures to Identify and Address any Systemic Bias**

- Winters completed a review of the District's Civil Service Rules
- Staff development of an equity tool to identify areas of policies and procedures that need to be reviewed and updated



## DEI Strategic Plan

Winters  
Cultural  
Audit

Existing DEI  
Efforts

New DEI Initiatives

Civil Service  
and Policy  
Review

Racial Equity  
Pilot Projects

Racial Equity  
and Justice  
Projects

Diversity  
Committee  
and Affinity  
Groups

EEO  
Compliance &  
Follow up  
Actions

Workforce  
Development  
and  
Internships

Women in the  
Trades Report

Gender  
Expression  
and Identity  
Initiative

DEI Training  
and  
Accountability

DEI  
Benchmarking  
and annual  
review

# Next Steps



- Implement recommendations for all phase one and two strategies
- Develop of workplans for phase three strategies
- Work on Racial Equity Pilot Projects
- Development of the DEI Strategic Plan



# Values Updates



- Introduction of the Office of Diversity, Equity, and Culture
- Inclusive Language Guide
- Integration of Cultural Competence into Emotional Intelligence Program

Questions?

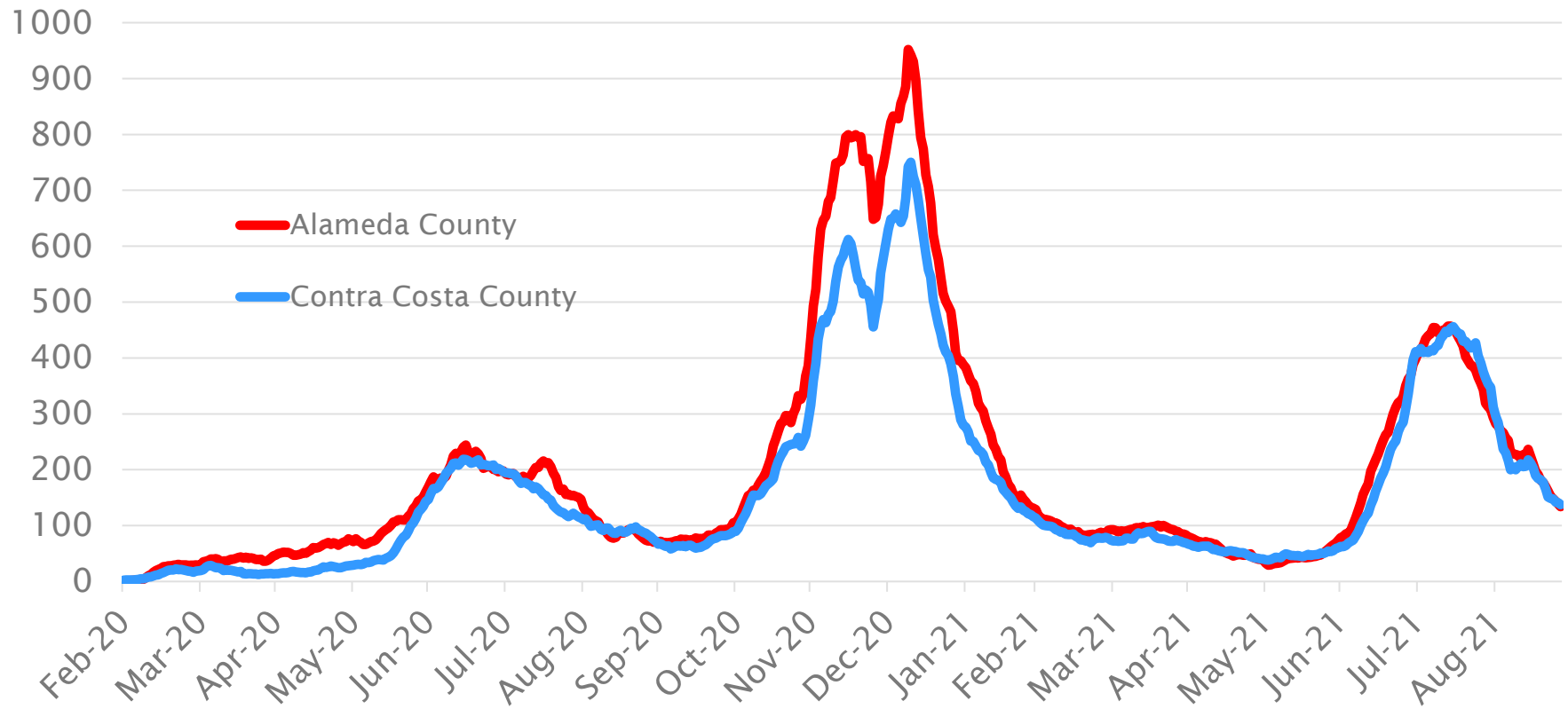


# Coronavirus Update

Board of Directors

October 12, 2021

# County-Level Daily COVID-19 Positive Cases





# Employee Impacts from COVID-19



- 144 employee and 22 contractor positives to date
- Infection rate about 2.5 times higher among unvaccinated employee population compared to vaccinated population

Other rates for comparison:

Alameda County	2.4
----------------	-----

Contra Costa County	3.8
---------------------	-----

- Nearly all cases at the District will eventually be “breakthrough” because unvaccinated population will be very small
- 20 currently quarantined

# Vaccination Rates



	Fully Vaccinated	At Least Partially Vaccinated
District	80%	N/A
Alameda County	77%	90%
Contra Costa County	81%	86%

County figures reflect portion of eligible population



# Health Code/CDC Isolation/Quarantine Protocol



- Symptomatic: Must isolate at least 10 days from onset of symptoms, plus 24 hours beyond symptom recovery
- Asymptomatic: Must Isolate for 10 days from the date of positive test
- Can shorten quarantine period to 7 days for “essential critical infrastructure workers”, following negative test after Day 5
- Otherwise, no protocol allows faster return – even if vaccinated or with negative test
- Professional sports allow positive individual to return to duty after two negative tests at least 24-hours apart

# COVID-19 Related Costs

## March 2020 - Present



(\$ in millions)

COVID Administration / EOT \$ 8.13

Employee vaccination (labor hours) \$ 0.33

Field Rotations (spring/summer 2020) \$ 12.37

Employee Testing \$ 0.59

Work Area Modifications \$ 0.92

Contact Tracing \$ 0.16

COVID Leave (FFA, SB 95, FMLA) \$ 6.31

Total \$28.8 M



# District Vaccination Policy



- Regular testing for unvaccinated staff began Sept. 13, 2021, testing performed on District time/District cost
- Testing applies to all unvaccinated employees reporting to a District worksite
- Employee vaccination required by Nov. 1, 2021
  - Now processing exemption applications for legitimate medical and religious reasons
  - After Nov. 1, 2021, exempted employees will continue testing on District time/District cost

# District Paid Leave Policy



As of October 1, 2021, District provided paid leave applies to:

- Employees who are vaccinated or exempted, and quarantined due to close contact at the District
- Employees needing leave when feeling ill after vaccination

# Implementation Priorities for District Policy



- Provided written policy and FAQ document
  - Changes in laws, regulations, state directives, or emergency declarations may change District requirements/dates
- Established employee testing program
- Provided exemption forms to interested employees
- Hosted webinar with Dr. George Rutherford, M.D.
- Ongoing
  - Meet and confer with Unions
  - Executing change orders with contractors/vendors to include District COVID-19 safety requirements



# Questions



# Drought Update

Board of Directors

October 12, 2021

# EBMUD CVP Allocation Update



- CVP allocation 33,250 AF (25% of contract)
- Freeport diversions began October 4
- 1,000 AF diverted through October 8





# 2021 Water Transfer and Wheeling



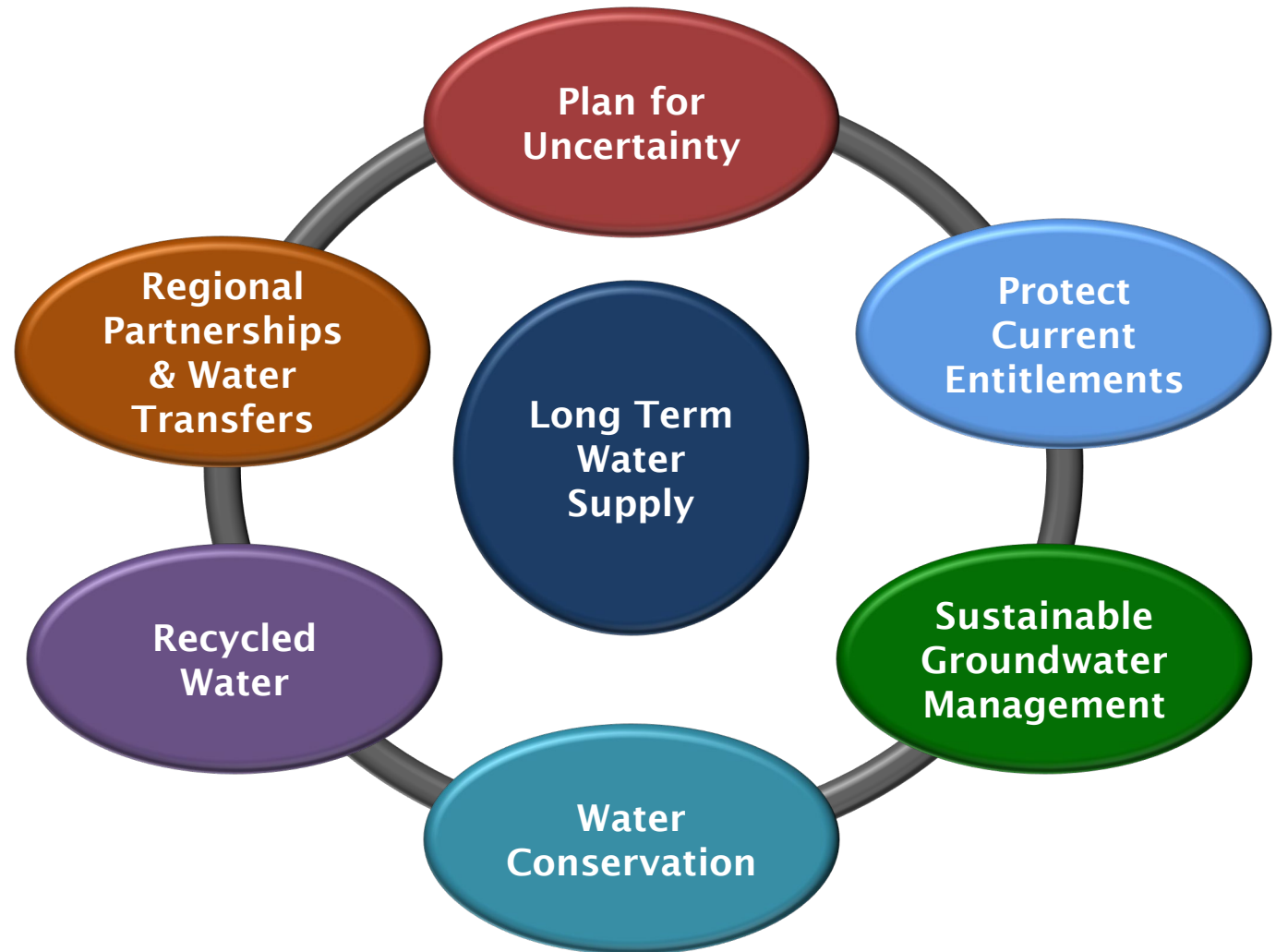
## Additional Freeport diversions:

- 2,000 AF of transfer water to District from CCWD's CVP allocation
- 3,200 AF wheeled for CCWD pursuant to prior settlement



# Long-Term Water Supply Strategy

“Continue building a resilient and sustainable water supply through diversifying the water supply portfolio”



# Long-Term Water Supply Investments

- Water portfolio diversification
  - Nearly \$900 million invested over 50 years
- Freeport Project: Water from the Sacramento River



1976



2021

## Key Takeaway

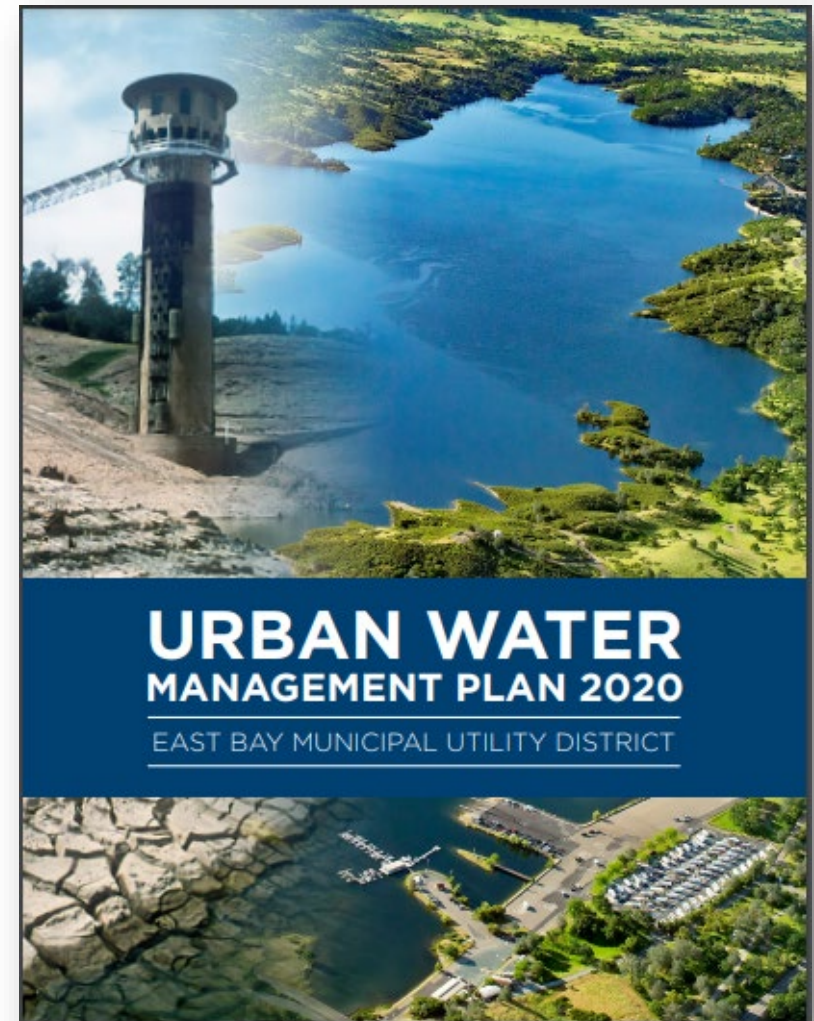
These investments helped prevent critically low water levels in our system.



# Urban Water Management Plan 2020



- Adopted June 22, 2021
- Comprehensive document supporting District's long-term water resources planning
- Includes Water Shortage Contingency Plan
- Multiple scenarios
- Portfolio diversification
- [www.ebmud.com/uwmp](http://www.ebmud.com/uwmp)



# Long-Term Water Supply Plan



Prioritizing cost-effective and reliable supplies:

- Water conservation
- Leak detection
- Recycled water
- Regional partnerships
- Groundwater



Los Vaqueros Reservoir



DREAM aqueduct connection

# Recycled Water



- Current capability: 9 million gallons per day
- Goal: 20 million by 2040
  - Expansions
  - Additional refinery
  - Satellite plants
- Focus on large irrigators and industrial uses
- Continue to evaluate advanced purification

Project	Capability	Since
North Richmond	4.0	1996
Richmond Advanced Recycling Expansion	3.5	2010
San Ramon Valley	1.0	2006
East Bayshore	0.2	2008
Truck Program	0.01	2008

## Key Takeaway

Continue to expand water recycling to offset drinking water use.





# Desalination

- 2003: Regional partnership to study desalination
- Desalination limitations:
  - High energy use
  - High operating cost
  - High salt brine disposal
- Partners formed Bay Area Regional Reliability to consider other regional options before advancing desalination



## Key Takeaway

Continue to evaluate desalination as a long-term option but prioritize other water supply solutions with lower energy and operating costs.

# 2022 Planning



- 2022 CVP and SWP allocations likely to be very conservative (low) to begin the season.
- Great uncertainty and volatility in 2022 transfers market.

# MMWD Wheeling Study Status



- Planning-level MOU (feasibility study for up to 15 TAF, MMWD to reimburse EBMUD's costs)
- Freeport needed for EBMUD customer needs
- MMWD evaluating use of the Hayward Intertie
- MMWD considering Los Vaqueros storage agreement with CCWD



# State's Save Our Water Campaign



- Implementing 15 percent voluntary conservation
- Considering mandatory rationing if third winter is dry
- District is reporting monthly water savings to the state, compared to 2020

# Customer Outreach



- 73 drought interviews with local media
- Press release on Freeport 10/4
- 56 drought presentations and webinars lead by the Board and staff throughout the service area
- Water Conservation Fall webinar topics include fall garden maintenance, lawn replacement, home leaks, and tree health

# Freeport and Moraga Creek Releases



## Freeport Outreach

- Press release on October 4
- Bay Area media
- Website updates
- FAQ sheet
- Commercial & critical customers

## Moraga Creek Releases

- Email to residents along Moraga Creek
- Nextdoor Post
- Notifications to Moraga Country Club HOA, Town of Moraga Councilmembers and staff, EBRPD, and Moraga Liaison Committee
- Staff will provide an update to the Town Council in late October





# Water Wednesday Speaker Series



## Water Wednesday Speaker Series

Oct 20 - 6 pm on Zoom

**What's in your**  
*Is all water the same?*



### Meet the experts:

- Susan Teefy, EBMUD Manager of Water Quality
- Stefan Cajina, Section Chief, CA Water Board
- Javier Ramos, EBMUD Water Distribution Manager



**The virtual event will be held in English and Spanish**



Tweets: 190

Followers: 3,549

Link clicks: 983

Engagement: 1,100

Engagement by type:

- Likes: 831
- Retweets 160
- Replies: 62

**East Bay Municipal Utility District**  @ebmud · Sep 29

🍂🌿🍂 Let's get gardening! 🍂🌿🍂

Sign up for upcoming gardening webinars via Zoom.

🍂 Fall Garden Maintenance - Sept 30 at 1 p.m.

RSVP: [ow.ly/y2st50GhmSr](https://ow.ly/y2st50GhmSr)

🌳 Save our Water, Save our Trees - Oct 14 at 1 p.m.

RSVP: [ow.ly/O3R250GhmSs](https://ow.ly/O3R250GhmSs)





Posts: 121

Page fans: 1,600

Link clicks: 569

Engagement: 5,300

Engagement by type:

- Reactions: 4,300
- Comments: 549
- Shares: 495



East Bay Municipal Utility District

September 22 at 11:02 AM · 🌐



Getting ready to switch your lawn to a water-wise garden? Or are you in the middle of a project and feeling stuck? Bring your questions to our office hour where our landscaping experts will be on hand with answers. Sep 22 @ 5 PM. Sign up: <http://ow.ly/arl350GdqLg>





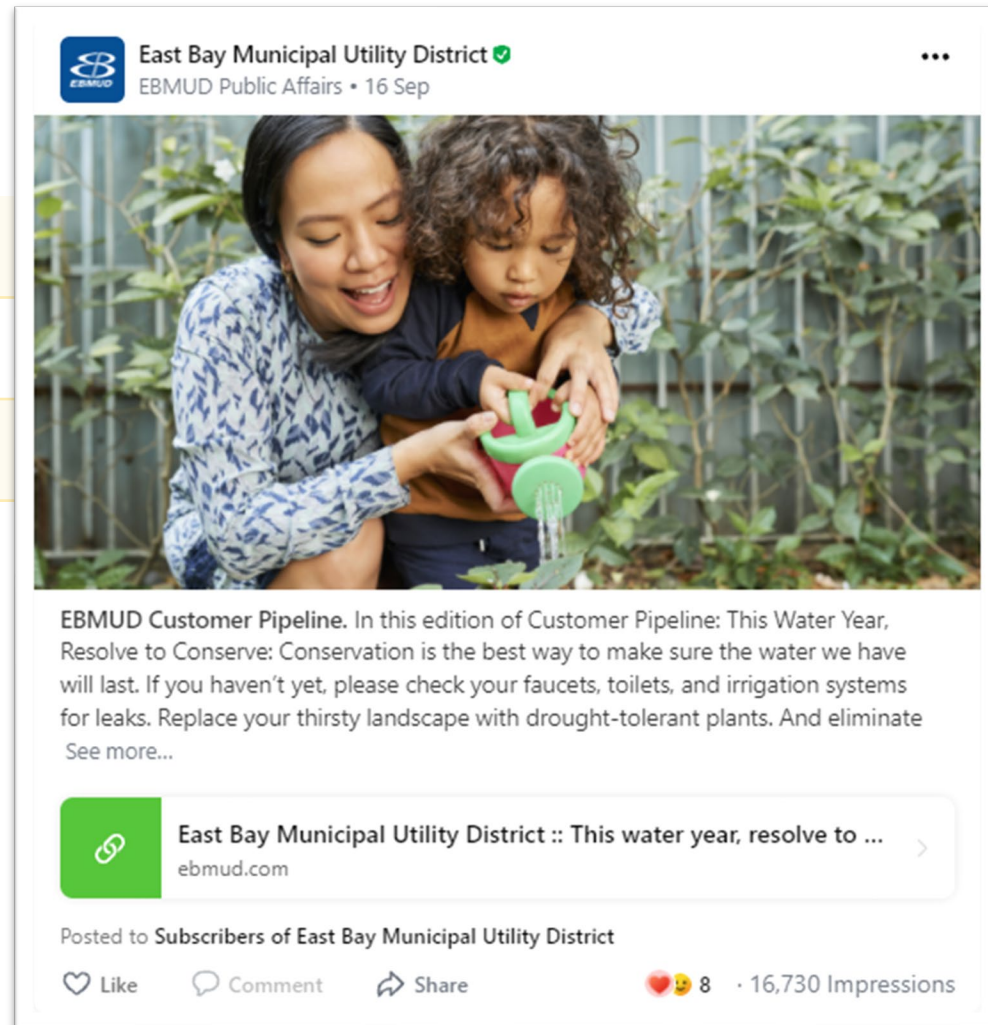


Posts: 79

Impressions: 217,357

Thanks: 311

- Construction updates
- Customer Pipeline articles
- Webinar and event promotion





Posts: 79

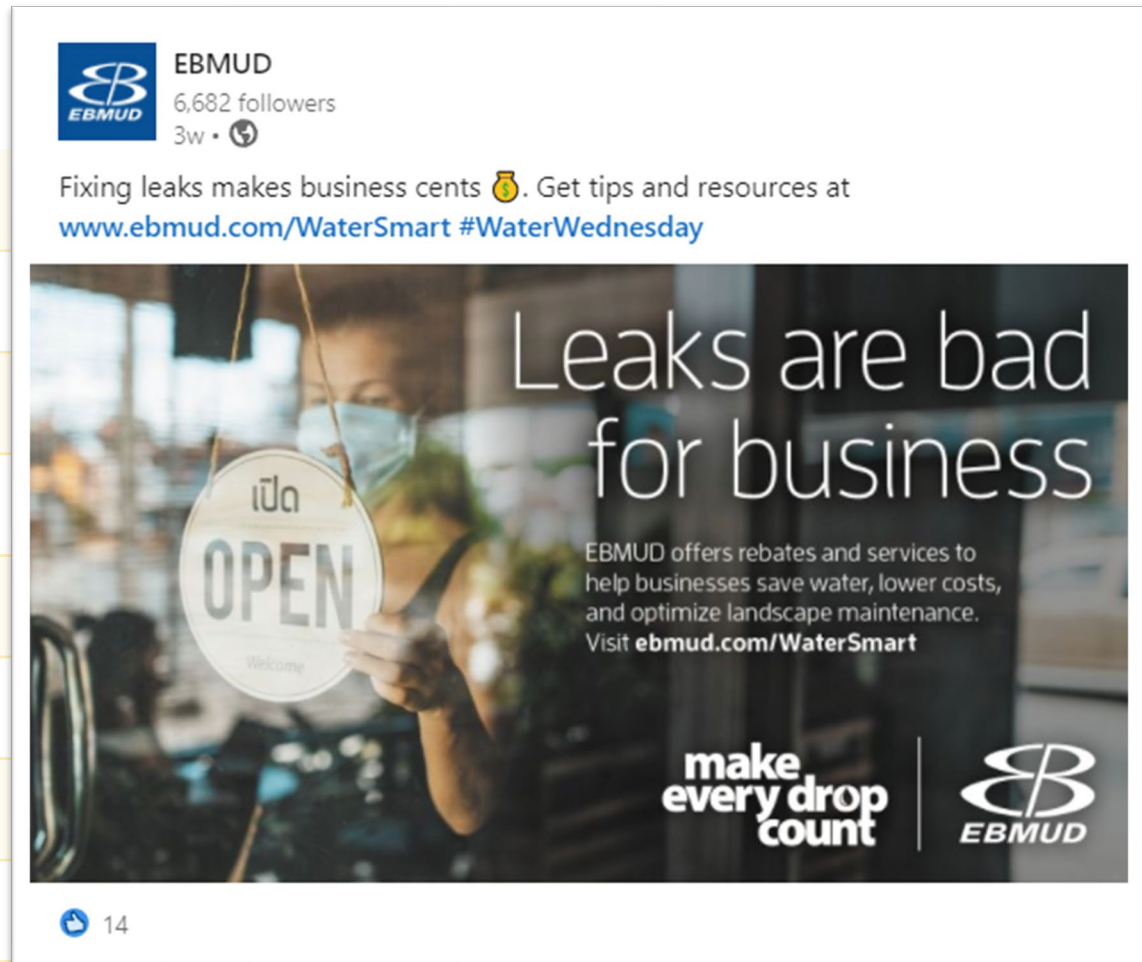
Followers: 6,700

Page clicks: 4,500

Engagement: 1,900

Engagement by type:

- Reactions: 1,700
- Comments: 54
- Shares: 177



**EBMUD**  
6,682 followers  
3w • 🌱

Fixing leaks makes business cents 💰. Get tips and resources at [www.ebmud.com/WaterSmart](http://www.ebmud.com/WaterSmart) #WaterWednesday

**Leaks are bad for business**

EBMUD offers rebates and services to help businesses save water, lower costs, and optimize landscape maintenance. Visit [ebmud.com/WaterSmart](http://ebmud.com/WaterSmart)

**make every drop count** | 

👍 14



EBMUD

10,949 views in 2021

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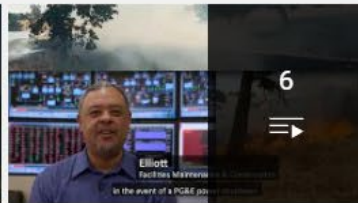
Created playlists

≡ SORT BY



Drought

[VIEW FULL PLAYLIST](#)



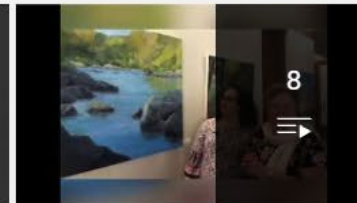
Ready and Reliable

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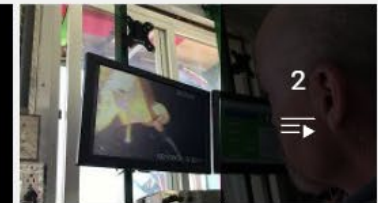
EBMUD Board Meetings

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Art Shows

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On the Job

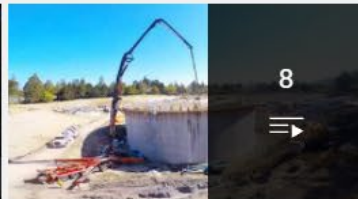
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Water and Lands

Updated 7 days ago

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Construction in Your Neighborhood

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WaterSmart Gardens

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About EBMUD

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# Questions

