



Bayside Facility

Bayside Community Group

June 13, 2024

Bayside Operations Building

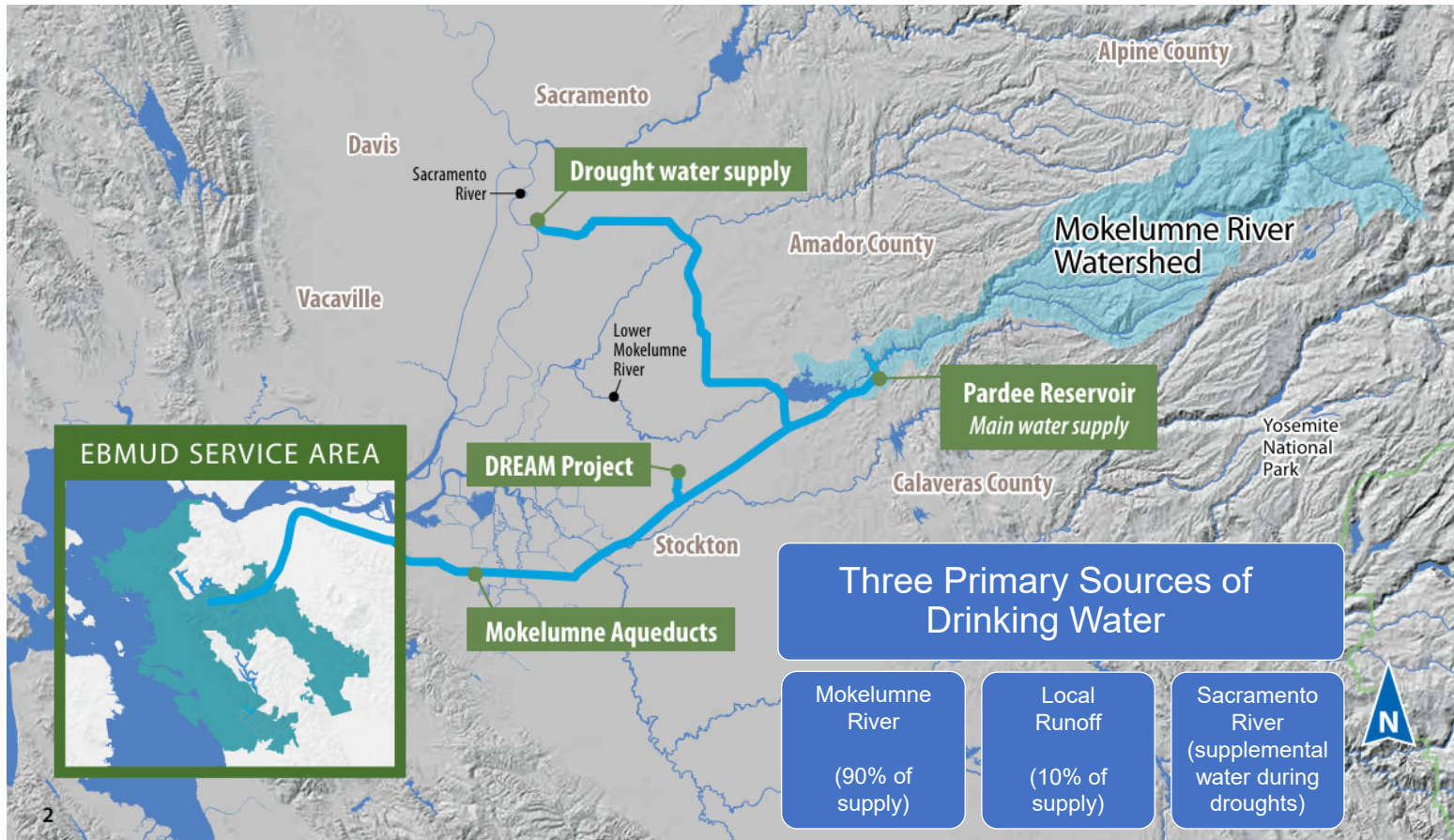
Meeting Goals and Objectives

- EBMUD committed to continued engagement with the Bayside Community Group
- Provide facts about the Bayside Facility and the upcoming Bayside well demolition
- Listen to and address questions and concerns

EBMUD Water Supply

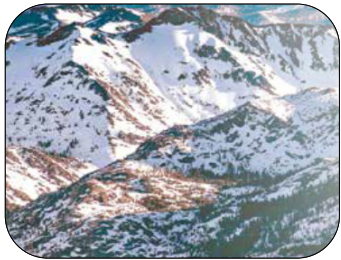


EBMUD Water Supply



Water Supply Challenges

Climate Change



Extreme Drought



Extreme Rainfall



Earthquakes



New Laws & Regulations



More Wildfire

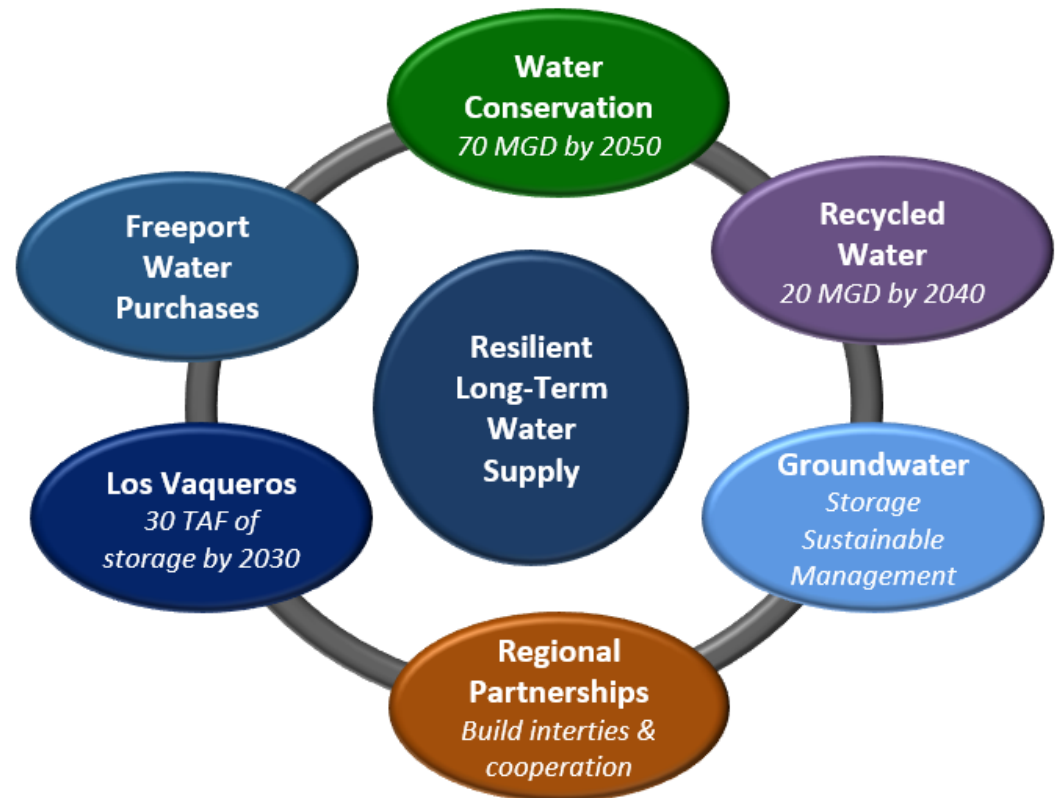


EBMUD maintains a portfolio of supplemental water supply strategies to enhance resiliency to water supply challenges

EBMUD Supplemental Water Supply Strategy

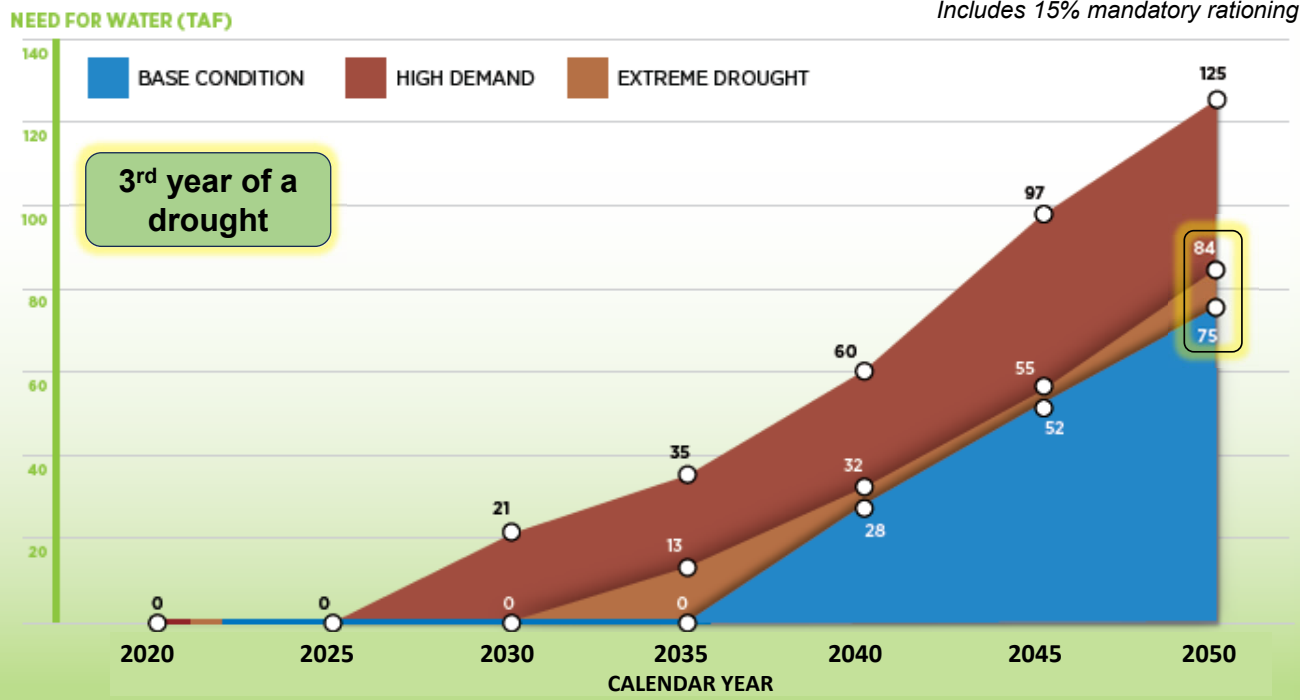
Strategy

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



MGD: million gallons per day
TAF: thousand acre-feet

EBMUD Need for Water in Third Year of Drought



- By 2050, the need for supplemental water supply is projected to range between 75 – 84 TAF in a third year of a drought
 - Amount of water needed for about 300,000 single family homes

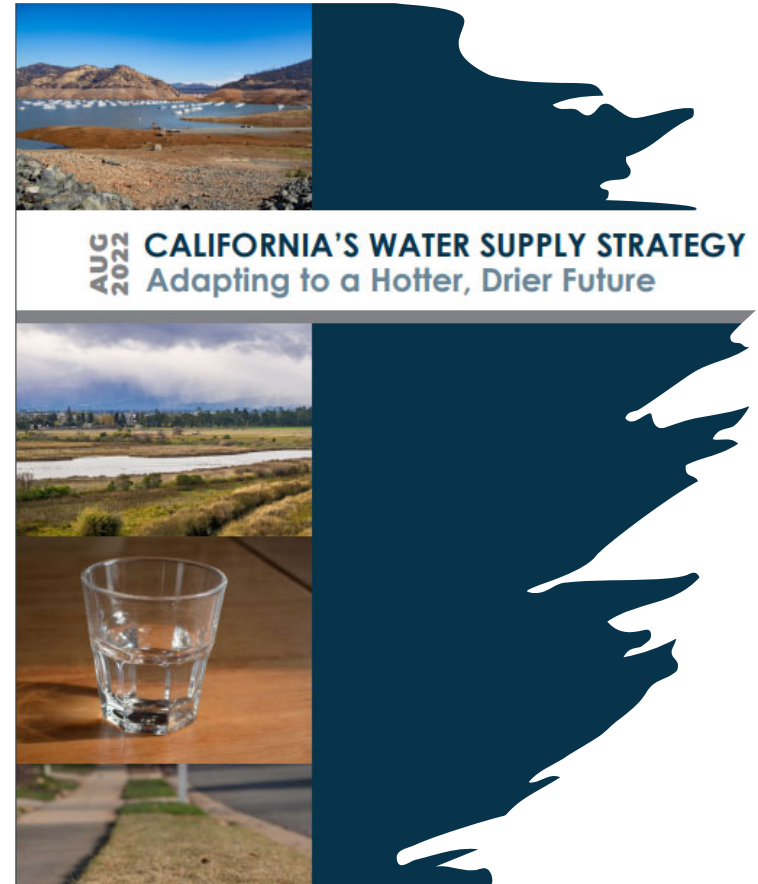
From EBMUD 2020 Urban Water Management Plan (UWMP)

TAF: thousand acre-feet

1 TAF = 326 million gallons

California's Water Supply Strategy

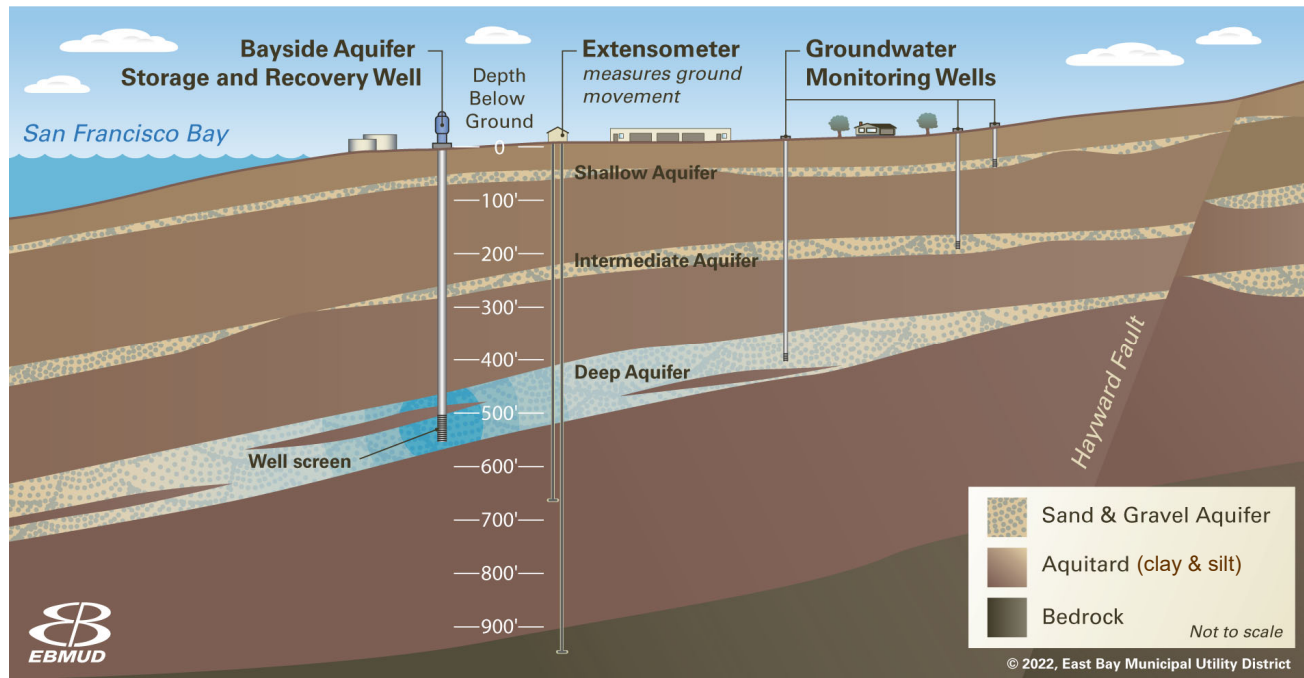
- Governor's executive order for a comprehensive water resilience portfolio
- State's water supply strategy includes
 - **Creating storage for up to 4 million acre-feet of water, including groundwater storage**
 - Recycling at least 800,000 acre-feet of water per year by 2030
 - Conserving up 500,000 acre-feet of water



Bayside Facility



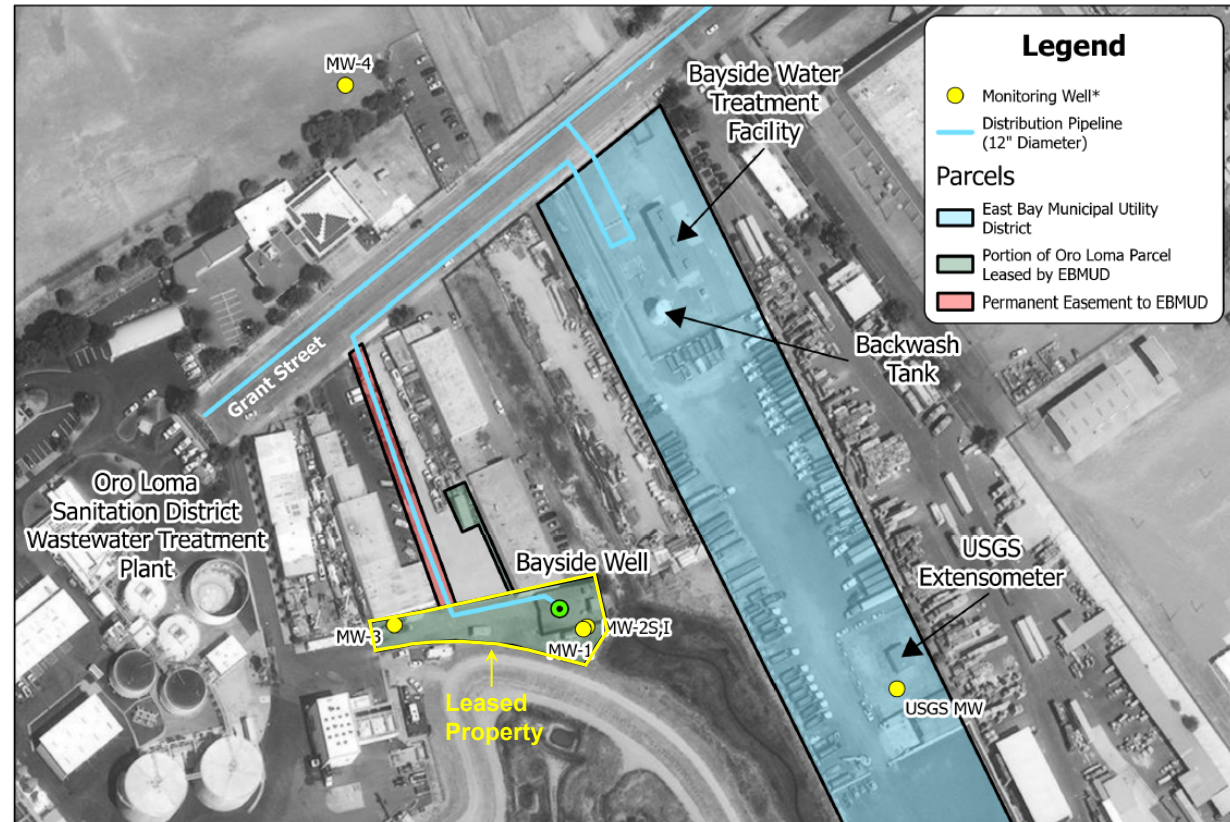
Bayside Overview



- Capture water during wet years and store it in the aquifer for severe droughts or emergencies
- Well is located about 600 feet deep within the Deep Aquifer and is protected from shallow groundwater impacts and seawater intrusion by continuous clay layers
- Extraction for drought or emergency water supply has not yet been needed

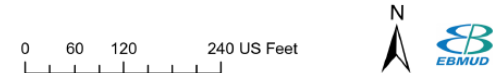
Facilities

- Injection/extraction well and four monitoring wells on Oro Loma Sanitary District (OLSD) property
- Water treatment facility and extensometer on nearby EBMUD property
- EBMUD lease with OLSD expires on August 31, 2024 and OLSD decided not to extend lease



Bayside Facilities and Parcels

*Additional groundwater monitoring wells are outside of the map extent.



Operations

- 18 million gallons of water stored during surplus water years 2017 - 2019
- Extraction for drought or emergency water supply has not yet been needed
 - Permit from Department of Drinking Water needed for extraction
 - Water quality will meet or exceed State and Federal standards
- Capacity
 - Injection: 0.3 to 0.5 MGD
 - Extraction: up to 2 MGD over 6 months

Bayside Wellhead



Bayside Testing in 2017



MGD – million gallons per day

Bayside Well Demolition



Demolition Overview

- EBMUD will remove and store any salvageable items
- PG&E to remove the power pole and transformer
- EBMUD's contractor will seal and fill all 5 wells following State and Alameda County requirements
- Remaining equipment and structures will be removed
- Site to be graded and restored to match existing conditions



EBMUD will continue to coordinate with OLSD

Estimated Demolition Schedule

ACTIVITY	ANTICIPATED DATE(S)
Request for Proposals for Bayside Well Demolition	May 16 – June 17, 2024
EBMUD to Salvage Items	September/October
PG&E to Remove Pole and Transformer	October
Contractor to Commence Field Work	November
Demolition, Disposal, Site Restoration	November 2024 – January 2025

Next Steps



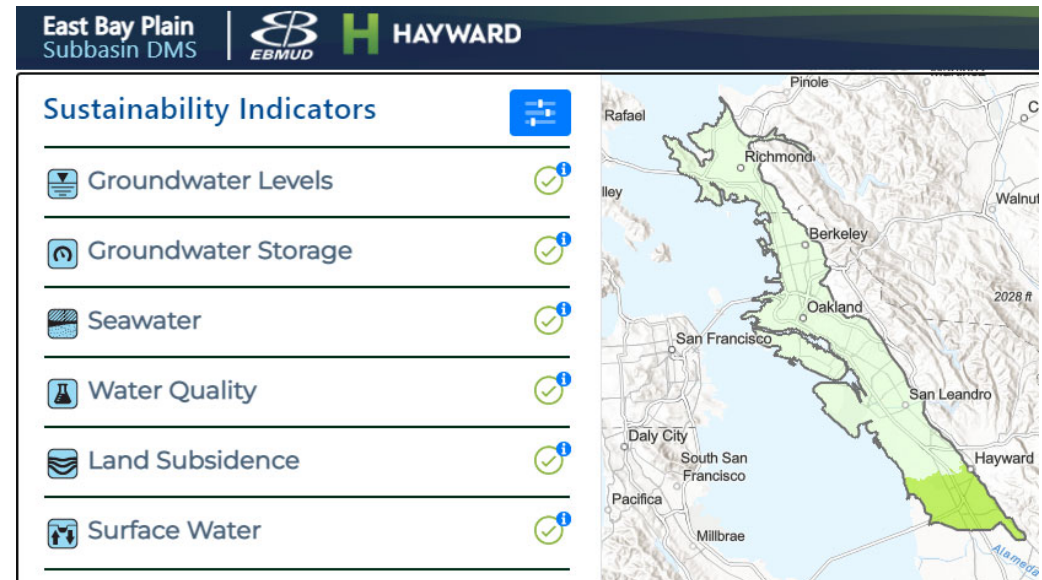
Future of Bayside

- More data is needed before a future phase of Bayside is considered including a replacement well
- Re-evaluation within the next few years as the Urban Water Management Plan and Groundwater Sustainability Plan are updated
- Continued community engagement to provide updates















Data Available to the Public

- Bayside monitoring data and reports on EBMUD's webpage
<https://www.ebmud.com/bayside>
- East Bay Plain Subbasin Data Management System
<https://eastbayplainsdms.com/>
- Sustainable Groundwater Management Act Data Viewer
<https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer>



East Bay Plain Subbasin DMS | EBMUD H HAYWARD

Sustainability Indicators

	Groundwater Levels	
	Groundwater Storage	
	Seawater	
	Water Quality	
	Land Subsidence	
	Surface Water	

Map showing the East Bay Plain Subbasin area, including cities like Richmond, Berkeley, Oakland, San Francisco, San Leandro, Hayward, and Alameda.

Questions?

Email:

baysidefacility@ebmud.com

