



Fiscal Year 2024 (FY 2024) Annual Readiness Report

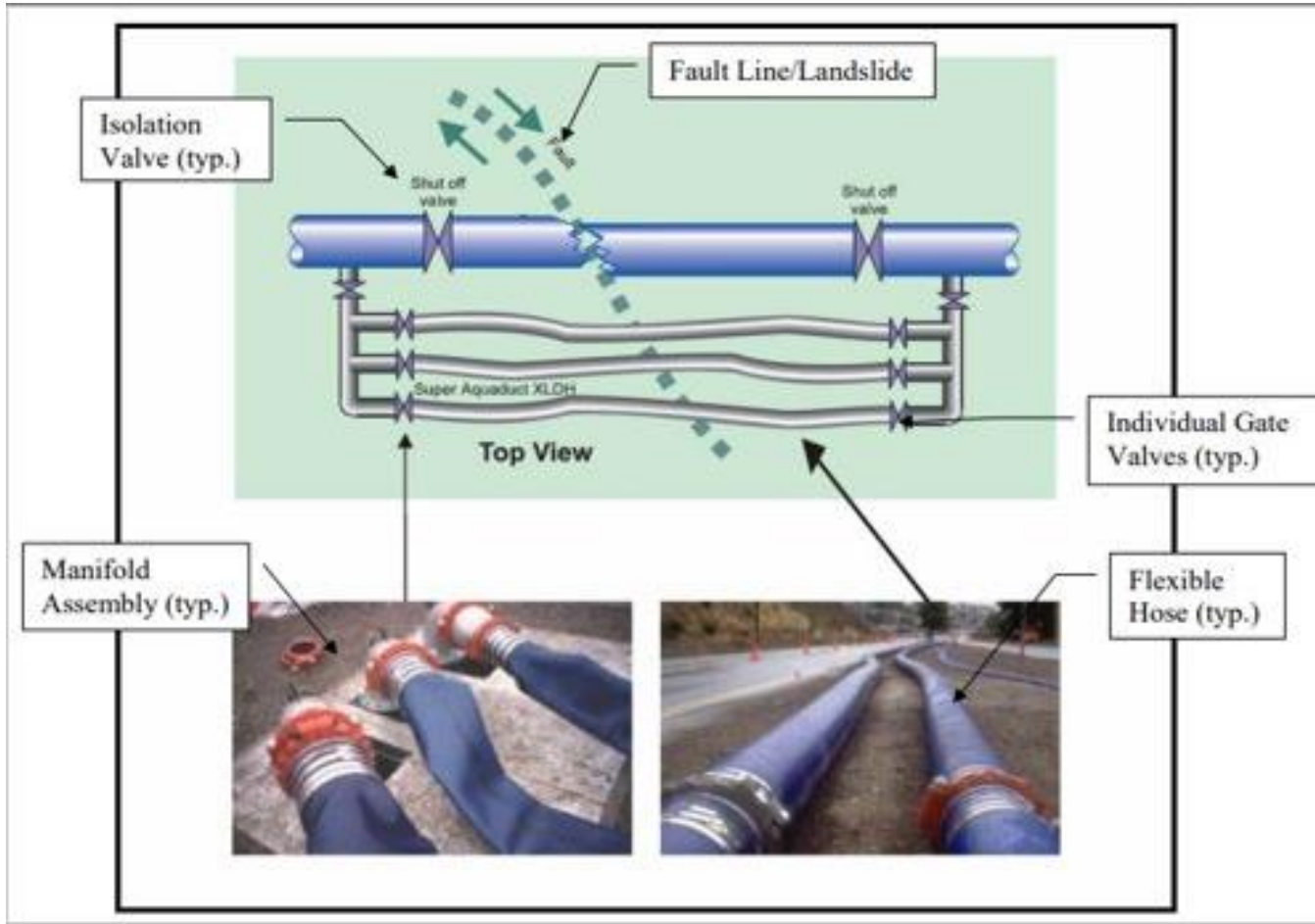
Planning Committee

- November 12, 2024

Agenda

- Emergency Planning
- Community Partnerships
- Federal Regulation Requirements
- FY 2025 Next Steps

Emergency Fault Bypass Connections



- Inventoried flexible hose, connections and deployment equipment
- Began procurement for replacement components
- Deployment drill planned in FY 2025

Emergency Bypass Connection

District Emergency Plans

21 Business Continuity Plans (BCP)

- Updated every two years; 14 updated in FY 2024
- Exercised annually; 22 exercised in FY 2024

28 Site Specific Emergency Action Plans

- Updated every five years; 8 updated in FY 2024
- 2 due for update in FY 2025

Emergency Operations Plan (EOP)

- Updated every five years; due in FY 2026

Emergency Operations Plan – Updated Sections

Section	Update
Created Commodity Point of Distribution Water Manifold Plan	March 4, 2024
Tier 1 Water Quality Public Notification Plan – updated formatting, contacts, and templates.	March 5, 2024
Declaration of District Emergency – updated spending limit authorities to match Policy 7.03, clarified emergency declaration process	Drafted in FY 2024, completed early (FY 2025)
Earthquake Response Plan – comprehensive update (prior version was FY 2021)	Drafted in FY 2024, completed early (FY 2025)

Annual Exercise

- Conducted May 16, 2024
- Members were divided into breakout groups to analyze specific elements of the EOP and provide updates
- Federal Emergency Management Agency (FEMA) and California Governor's Office of Emergency Services (Cal OES) representatives participated in the exercise



*Emergency Operations Team members in
Emergency Operations Center*

Emergency Notification Drills

Conducted four times per year, two District-wide

Dates (District-wide Drills)	Employees Confirmed (%)
September 23, 2023	98
April 16, 2024	99

Mutual Aid Partnerships

- Continue to coordinate and conduct exercises with Alameda County, Contra Costa County, Cal/OES, and FEMA
- Continued leadership role in CalWARN
- Mutual aid coordination meetings held with Los Angeles Department of Water & Power and Las Vegas Valley Water District



Community Support

Commodity Point of Distribution

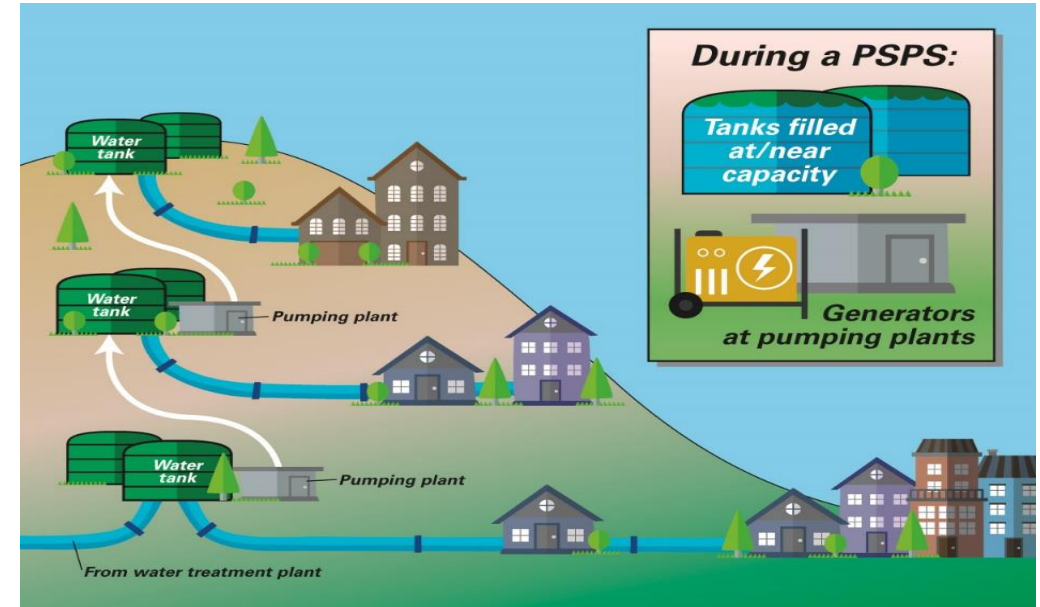
- Temporary hydrant connections could provide emergency water distribution while water pipelines are repaired
- Ongoing collaboration with Alameda and Contra Costa counties
- 80 of 100 units built



*Emergency water manifold at City of Oakland Fire Station
(Golden Eagle Exercise)*

Public Safety Power Shutoffs (PSPS)

- 29 Portable generators and 4 portable pumps deployed at critical pumping plants
 - Portable generators sourced through long-term vendor contract
 - 5 District-owned portable generators were delivered FY 2024
- No significant PSPS events impacted District facilities in FY 2024 (or for last three years)



Water tank and pumping plant diagram

Federal Energy Regulatory Commission (FERC) Requirements

- Pardee and Camanche Dams subject to FERC requirements for safety and emergency preparedness
- Emergency Action Plan Joint Agency Seminar and functional exercise held on September 20, 2023
 - Notification drill not conducted in 2023 (not required during same year a functional exercise is conducted)
- Security assessment conducted; Security Plan updated
- FERC Emergency Action Plan updated on December 29, 2023 and integrated into broader District EOP

America's Water Infrastructure Act (AWIA)

- Federally required review of risks and resilience associated with multitude of potential hazards
- Originally certified March 31, 2020
- Updates began in FY 2024 and will be recertified by March 31, 2025
- Water agencies must update EOPs every five years, self-certify, and notify United States Environmental Protection Agency
- EOP last certified September 30, 2020, plan to recertify in September 2025
- Requirements do not extend to wastewater utilities

FY 2025 Next Steps

- Enhance mutual aid relationships with Cal WARN and Bay Area water agencies to ensure readiness
- Conduct Business Continuity Plan and annual Emergency Operation Team exercises
- Continue working with cities and counties on emergency drinking water distribution plans
- Complete AWIA updates
- Deployment exercise involving emergency bypass hose installation

Questions?



Flowing
into the
Future



Update on the GreenGen Pumped Storage Project

Planning Committee
November 12, 2024



Agenda

- Proposed Project
- Status of EBMUD Concerns
- Key Dates & Next Steps

Proposed Project - Location

(1" = 6 mi)



Key Takeaways

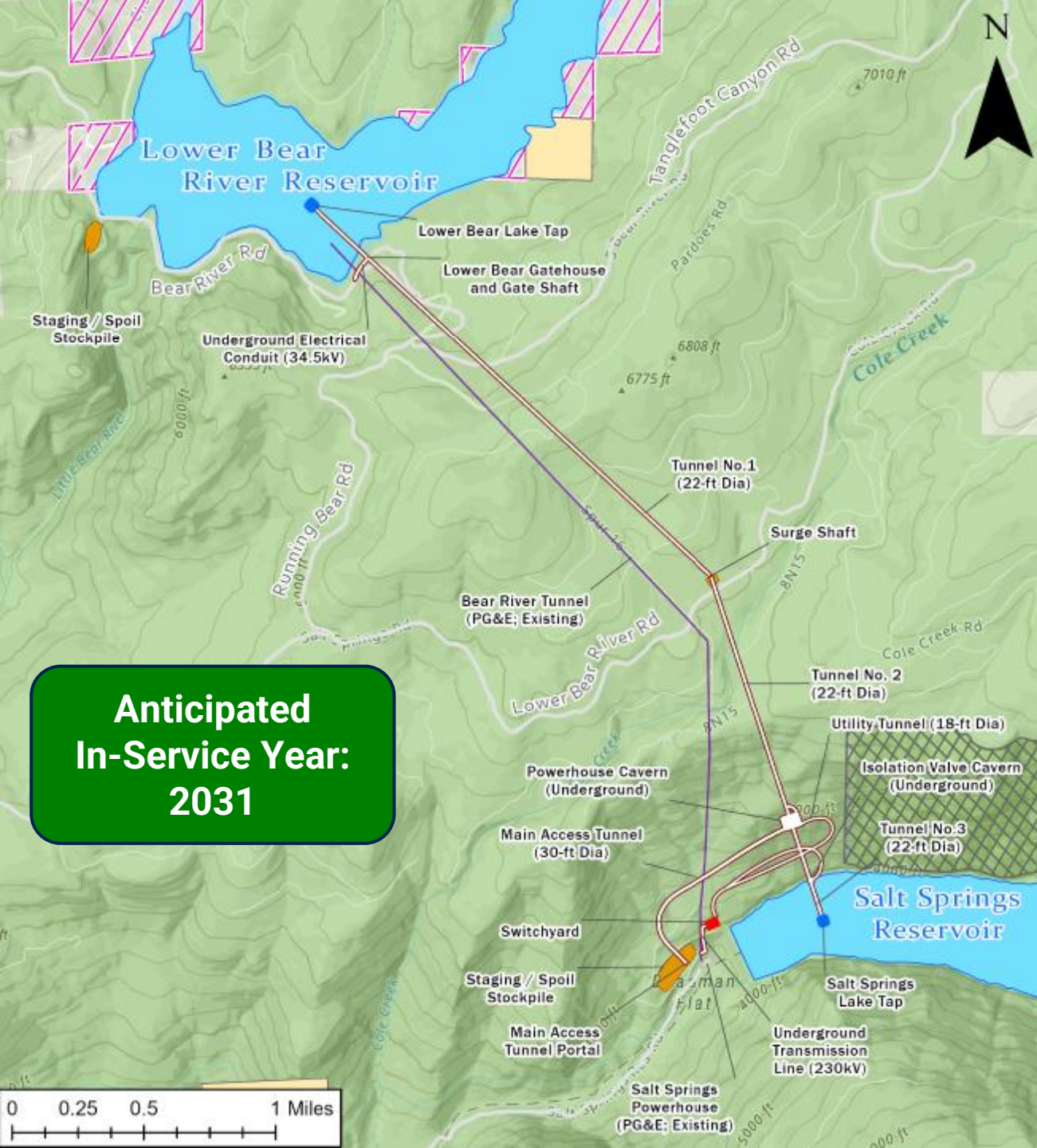
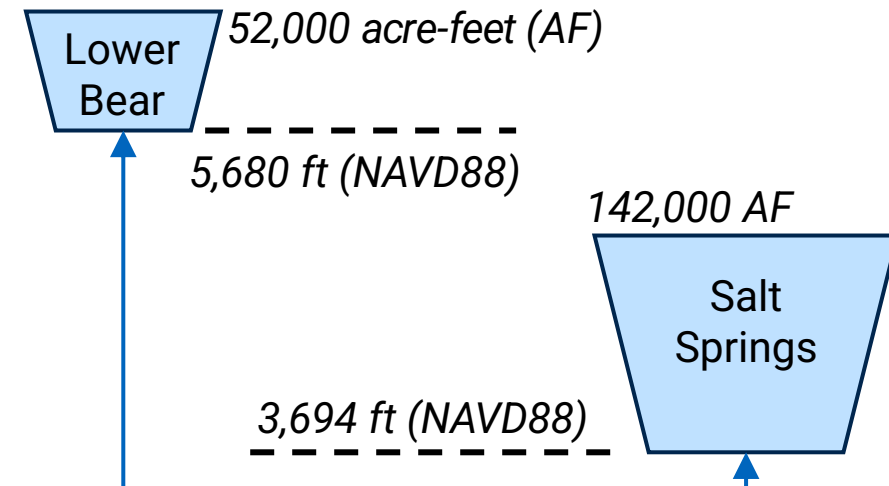
- The project is located upstream of Pardee and Camanche Reservoirs & the Camanche Fish Hatchery
- GreenGen is seeking a license from FERC to use PG&E's Lower Bear & Salt Spring reservoirs for a new Pumped Storage project

Proposed Project - Specifics

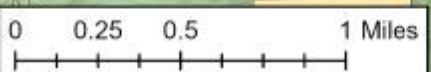
Key Information	Column Title
Head, feet	1,986
Flow, cubic feet per second	680 to 1,365
Volume, acre-feet	1,810 ^(a)
Power, megawatts (MW)	400 MW ^(b)
Main Tunnel Diameter, ft	22
Main Tunnel Length, miles	3
Probable Construction Cost	\$1.6 billion

^(a) Volume is <1% of the combined reservoir capacity

^(b) Has space to expand by 200 megawatts



**Anticipated
In-Service Year:
2031**



Status of EBMUD Concerns

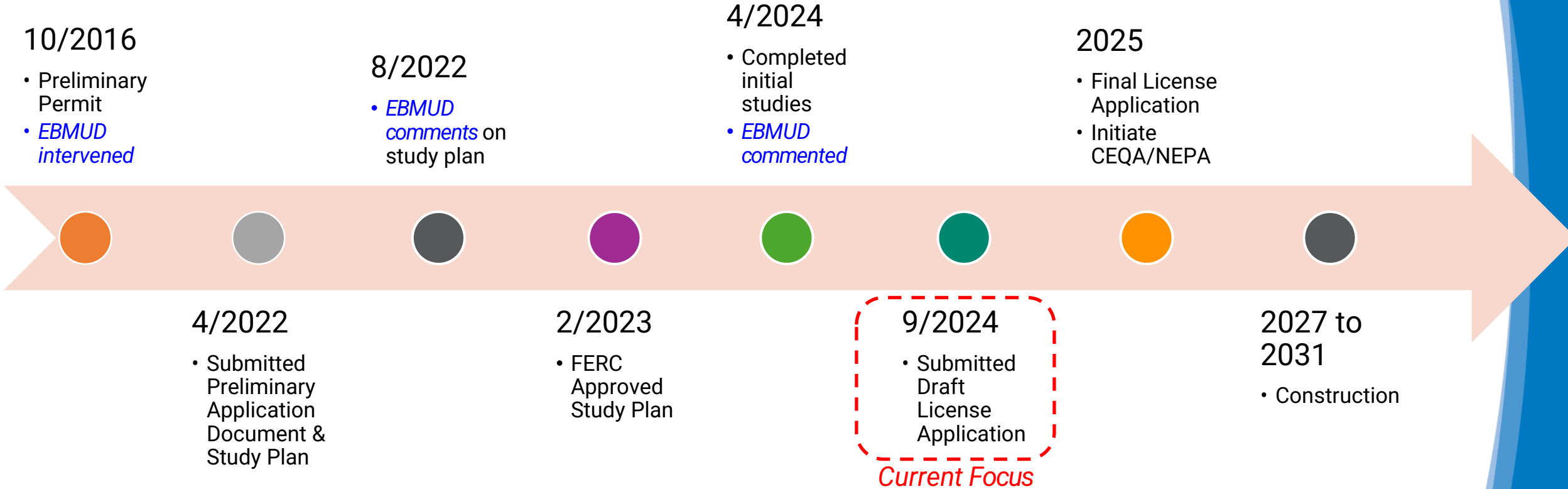
Water Temperatures

- Potentially Beneficial to EBMUD
- < 1°C decrease in temperatures leaving the combined system
- Decrease caused by:
 - Elevation - 10°C difference
 - Bathymetry – Lower Bear is shallower, while Salt Springs is deep
 - Assumes low volume of water (*<1% of combined capacity of reservoirs*)

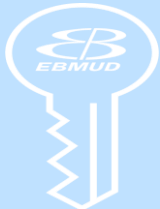
Water Supply

- **Key issue:** still no water right identified
- Potentially no Impact to EBMUD, but depends on water right
- No changes to PG&E operations or PG&E's ability to comply with existing water rights and agreements

Key Dates & Next Steps



Key Takeaways



- By November 29, 2024, the District will submit a comment letter to FERC
- Comment letter will outline water right concerns and list Project Mitigation & Enhancement measures to protect District operations.

Questions?





Proposed Revisions to Watershed Rules and Regulations and Camanche Recreation Area Alcohol Prohibition

Planning Committee

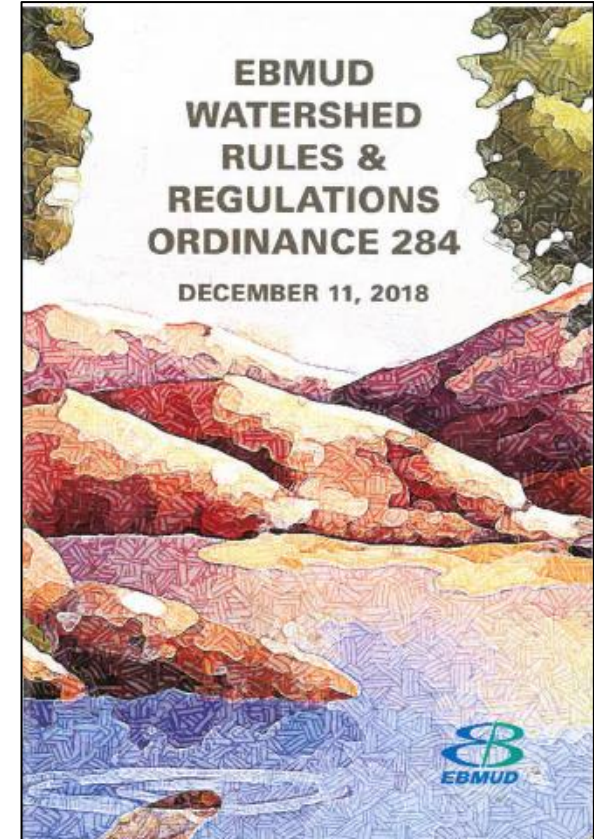
November 12, 2024

Agenda

- Overview of EBMUD Watershed Rules and Regulations
- Review of significant changes
- Outline review process
- Camanche Recreation Area Alcohol Prohibition
- Next Steps

Watershed Rules and Regulations Overview

- Watershed Rules and Regulations govern activities for East Bay and Mokelumne Watersheds and recreation areas.
- These rules and regulations are used by District Rangers and law enforcement to protect District resources and promote a safe, positive recreational experience.
- Watershed Rules and Regulations are typically reviewed and updated every five years, more frequently if needed.
- Last update was completed in 2018.



EBMUD Rules and Regulations Handbook

Watershed Rules and Regulations Review Process

- Proposed changes result from:
 - Input from visitors, staff, and law enforcement partners
 - Board direction
 - New legislation or regulations
- Rules and Regulations are reviewed internally and presented for Board input and consideration.
- After Board approval:
 - Summary of changes and link to the document is posted in local newspapers
 - Updated Rules and Regulations are distributed to cooperating agencies and posted in recreation areas with new brochures printed for the public

Watershed Rules and Regulations Key Changes

- Prohibition of personal watercraft (PWC) like jet-skis, wave runners, and hydrofoils
- Addition of definitions for electric bicycles and electric scooters
- Editorial changes for clarity and consistency

Watershed Rules and Regulations - PWC

- PWC definition:
 - A vessel 13 feet in length or less, propelled by machinery, that is designed to be operated by a person sitting, standing, or kneeling on the vessel, rather than in the conventional manner of sitting or standing inside the vessel.
- PWC prohibition:
 - No person shall: Operate or otherwise use any personal watercraft (e.g., jet-skis, hydrofoils) on any District Reservoir.
- Reasons for PWC prohibition
 - 47 percent of vessel accidents on Camanche Reservoir caused by PWC operator
 - Responsive to visitor input and complaints regarding PWC
 - PWC contacts require significant time commitment by Rangers and law enforcement

Watershed Rules and Regulations - Electric Bicycles and Scooters

- Electric Bicycle:
 - A bicycle equipped with fully operable pedals and an electric motor of less than 750 watts.
- Electric Scooter:
 - A personal device with no more than three wheels that has handlebars, is designed to be stood upon by the operator, and is powered by an electric motor that is capable of propelling the device with or without human propulsion at a speed of no more than 15 miles per hour on a paved level surface.
- Reasons to define:
 - Electric bicycles have become more powerful and more closely resemble a motorcycle. Adding this definition will aid in identifying electric conveyances not appropriate for use in a recreation area.

Camanche Recreation Area Alcohol Prohibition

- Seasonal prohibition will be effective every year from May 1 through September 30.
- Responsive to visitor complaints and number of incidents and violations associated with consumption of alcohol.
- Other recreation areas like Lake Piru, Silverwood Lake, select areas of Sacramento County Regional Parks, and the United States Forest Service have implemented similar prohibitions.
- Alcohol prohibition will decrease accidents and incidents and improve the visitor experience at Camanche Recreation Area.



*Camanche Reservoir
Alcohol related boating accident*

Next Steps

- Incorporate Planning Committee feedback into final updates.
- Board to consider approval of updated Watershed Rules and Regulations at its December 10, 2024 meeting.



Questions?