

Central Reservoir Replacement Project Draft Environmental Impact Report Public Meeting



December 4, 2019





- \cdot Introduction
- EBMUD Background
- Project Location and Setting
- Project Need and Scope
- Construction Sequence
- EIR Analysis of Impacts and Mitigations
- Next Steps

Project Team



• EBMUD

- Laura Luong, Community Affairs
- Mona Favorite-Hill, Community Affairs
- Aaron Hope, P.E., Project Manager
- David Rehnstrom, P.E., Division Manager
- Bill Maggiore, P.E., Senior Engineer
- Consultants
 - ESA, Specialty CEQA Consultants

What is an EIR?



• EIR

- Environmental Impact Report
- Purpose:
 - To inform the public & other agencies of the environmental consequences of a project



EIR Process





EBMUD Water System





EBMUD Water System





Project Setting

Ardley Ave



- EBMUD's largest distribution reservoir
- 154 million gallons
- · 27 acre site

Redwood Day School

- Provides emergency and operational storage from Emeryville to San Leandro
- Open cut reservoir will be replaced with three 17 million gallon reservoirs

Central Reservoir Construction



- Built in 1910 by the People's Water Company
- Originally constructed to distribute water from Lake Chabot







Central Reservoir Modifications



- Major modifications in the early 1960s
- North embankment (auxiliary dam) modified to make room for 1580.
- Liner in 1961





Central Reservoir Modifications



- Roof in 1961
- Encapsulate Roof in 2004





Project Benefits





- Replace the reservoir that is over 100-years old
- Remove Polychlorinated Biphenyls (PCBs) in the liner
- Reduce water loss through the liner
- Resize to meet existing & future demands
- Raise the reservoir 20-feet to improve operational flexibility & emergency preparedness





Project Scope















































EBM



in Berkeley

EBMUD



EBN





EBMUD





Cement Deep Soil Mixed (CDSM) Piers at Chabot Dam in San Leandro/ Oakland



ЕВМИД



EBMUD





BMUD

Project Outreach



- · Meetings with City of Oakland
- · 2 community meetings in 2017 & 2018
 - Landscaping: earthen berms along with new and existing trees and shrubs
 - EIR Scoping: traffic, aesthetics, hydrology, and noise during construction

EBMUD Standard Practices & Procedures



- **Project Safety Requirements**. Provisions for the safety of the public and construction workers regarding hazards and hazardous materials
- Environmental Requirements. Provisions related to water quality, dust and emissions control, noise monitoring, hazardous materials control, and protection of biological and cultural resources
- Work Restrictions. Limits on construction hours and on noise generating activities
- **Traffic Regulation**. Provisions for the regulation of traffic during construction and compliance with applicable traffic regulations
- Maintain Clean Site. Compliance with local ordinances and antipollution laws and that the construction site be kept free of waste materials and rubbish

•

Asbestos Control Activities. Requirements for the monitoring and handling, removal, and proper disposal of asbestos-containing materials

EIR Analysis Results



Environmental Factors	Less than Significant	Less than Significant with Mitigation	Significant and Unavoidable with Mitigation
Aesthetics		\checkmark	
Air Quality	\checkmark		
Biology		\checkmark	
Cultural	\checkmark		
Energy	\checkmark		
Geology	\checkmark		
GHGs	\checkmark		
Hazards	\checkmark		
Hydrology	\checkmark		
Noise			\checkmark
Recreation	\checkmark		
Transportation		\checkmark	

Aesthetics & Biology



Mitigation Measure: Direct and shield night lighting **Potential Night Work** RATE CONTROL STATION TANK 2 41 SLOPE TANK 1 TOPOFTA 3:1 SLOPE

Noise – Night Construction



Mitigation Measure 2:

Provide alternative lodging for residents, if requested

- Only for night work
- Only for residences
 - At 25th Avenue/East 29th Street intersection

OF OF TANK ELEVATION 232-B

41 9 OPF

- Within 500 feet of work



Noise - Daytime Construction





Transportation



Mitigation Measure 1:

Operational and safety analysis by Redwood Day School



nings vintage

Transportation



Mitigation Measure 2:

- Traffic control measures for trucks traveling along East 27th Street (near Manzanita School)
- Avoid drop off & pick up times
- Flaggers at intersection



Next Steps



- Draft EIR Public Review:
- Publish Final EIR:
- Board Certify Final EIR:
- Complete Design:
- Construction:

Nov 15, 2019 to Jan 13, 2020

May 2020

- June 2020
 - 2026
 - 2026 to 2031

Ardley at E. 32nd St



10 years after construction

www.ebmud.com/central



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Central Reservoir Rep	lace	mer		Proje	Ct	

The East Bay Municipal Utility District (EBMUD) is replacing its 154-million-gallon Central Reservoir. Constructed in 1910 on a 27-acre site, the Central Reservoir is EBMUD's largest distribution reservoir and provides emergency and operational storage to about 52,000 metered services from Oakland and Emeryville to the Oakland/San Leandro border, including most of the City of Alameda.

Central Reservoir has reached the end of its useful life and will be demolished and replaced with new tanks that are approximately 20 feet higher than the existing reservoir. The project includes demolition of the existing reservoir and materials storage building, three new 17-MG concrete tanks, a new rate control station, a valve structure, service road and site paving, a bioretention area, and security fencing, all within the existing reservoir property. The project may also include an access driveway to connect the Redwood Day School parking area to Ardley Avenue.

Construction for this project is expected to occur over a six-year period, from 2026-2031.

EBMUD prepared a final site plan based on input from community meetings held in September 2017 and February 2018. Using the final site plan, EBMUD initiated the environmental review process including preparation of an EIR that will evaluate project impacts and identify ways to reduce and/or eliminate environmental impacts. On November 15, 2019, EBMUD will publish the Draft Environmental Impact Report (EIR). EBMUD will also hold a public meeting in early December to discuss the results of the EIR with the community.

Workplan and schedule

The overall work plan and schedule is as follows:

CENTRAL RESERVOIR REPLACEMENT OAKLAND, CA



<u>www.ebmud.com/central</u>



Published studies and other resources

Document

EBMUD Central Reservoir Draft EIR, Volume I

EBMUD Central Reservoir Draft EIR, Volume II

Central Reservoir DEIR Notice of Availability

Central Reservoir Map

Notice of Preparation April 26, 2018

Frequently Asked Questions April 2018

Powerpoint Slides at Community Meeting #2 on February 13, 2018

Powerpoint Slides at Community Meeting #1 on September 28, 2017

Display Boards at Community Meeting #1 on September 28, 2017

EIR Availability and Comment Period Deadline



- EIR is available:
 - <u>www.ebmud.com/central</u>
 - Oakland Public Library (Dimond Branch)
- Draft EIR comments due by January 13, 2020:
 - <u>centralreservoir@ebmud.com</u>
 - Aaron Hope, Project Manager
 375 Eleventh Street, MS 701

Oakland, CA 94607-4240

- Send general questions about EBMUD
 - Laura Luong, Community Affairs Representative

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