

# Biennial Budget in Brief



Fiscal Years  
2022 & 2023



# What are the budget priorities?

The Strategic Plan adopted by the Board of Directors guides the development of the budget priorities. Resources have been dedicated to achieving EBMUD's goals while maintaining fair and reasonable rates.

In 2020, our communities, the nation, and the world faced the immense challenges of the COVID-19 pandemic resulting in significant economic impacts and high unemployment. In response to these challenges, this budget balances the economic realities requiring us to be cautious, flexible, and realistic with the need to move forward on critical projects to better serve our customers.



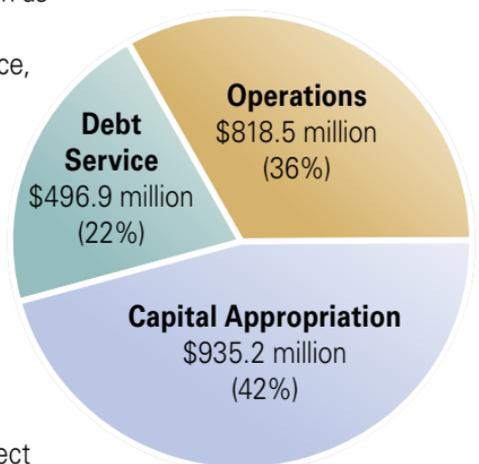
This biennial budget supports a variety of priorities including:

- Ongoing critical maintenance activities and infrastructure investments,
- Affordability through lower water rate increases than previously projected,
- Customer support program enhancements, and
- Racial justice and social equity initiatives.

# How much is the budget?

The water and wastewater systems' two-year budget is \$2.25 billion which pays for:

- **Operations:** Day-to-day costs such as electricity, chemicals, computer software, parts, materials, insurance, and labor necessary to provide water and wastewater services.
- **Debt Service:** Interest and principal on bonds along with other debt-related expenses issued to pay for capital investments in infrastructure.
- **Capital Appropriation:** Projects to upgrade aging infrastructure, make seismic improvements, protect natural resources, and ensure a future water supply. These projects can take several years to complete.

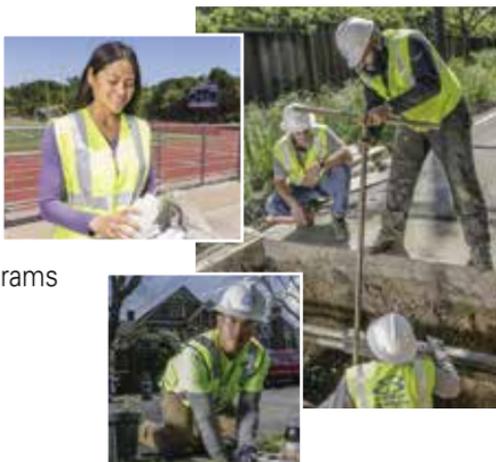


# Who is EBMUD?

EBMUD is a not-for-profit public agency, and the second largest retail water agency in California serving 1.4 million customers. We operate water and wastewater systems 24 hours a day that deliver high-quality drinking water, protect public health, and protect San Francisco Bay.

We also manage:

- Water storage
- Water supply
- Water and wastewater testing
- Hydroelectric energy production
- Recycled water
- San Francisco Bay protection programs
- Watershed management
- Fishery restoration
- Recreational programs
- K-12 school education programs



# What does the typical customer pay?

The average single-family residential customer pays a monthly cost of:

Service	July 1, 2021	July 1, 2022
Water ~ 200 gallons per day	\$66.00	\$68.66
Wastewater ~ 150 gallons per day	\$23.91	\$24.89

# What is the cost of EBMUD's water?\*

A typical single-family customer pays just over 1¢ for each gallon of water delivered to your home. At \$2.20 per day, you have 200 gallons of water to drink, cook meals, take a shower or bath, wash your hands, wash dishes, water trees and plants, and do laundry.



\* Water service only, customers who receive wastewater service pay additional charges.

# How is each water rate dollar spent?



## 56¢ Infrastructure Improvements

Pipelines, reservoirs, treatment plants, pumping plants

## 28¢ Water Service

Water storage, treatment, delivery, system maintenance

## 7¢ Administration

Support services such as finance, human resources, information systems

## 4¢ Customer Service

Call center, education, water conservation, billing, collection

## 3¢ Natural Resource Management

Public recreation, watershed management, fisheries program

## 2¢ Regulatory Compliance

Meet or surpass environmental and drinking water standards

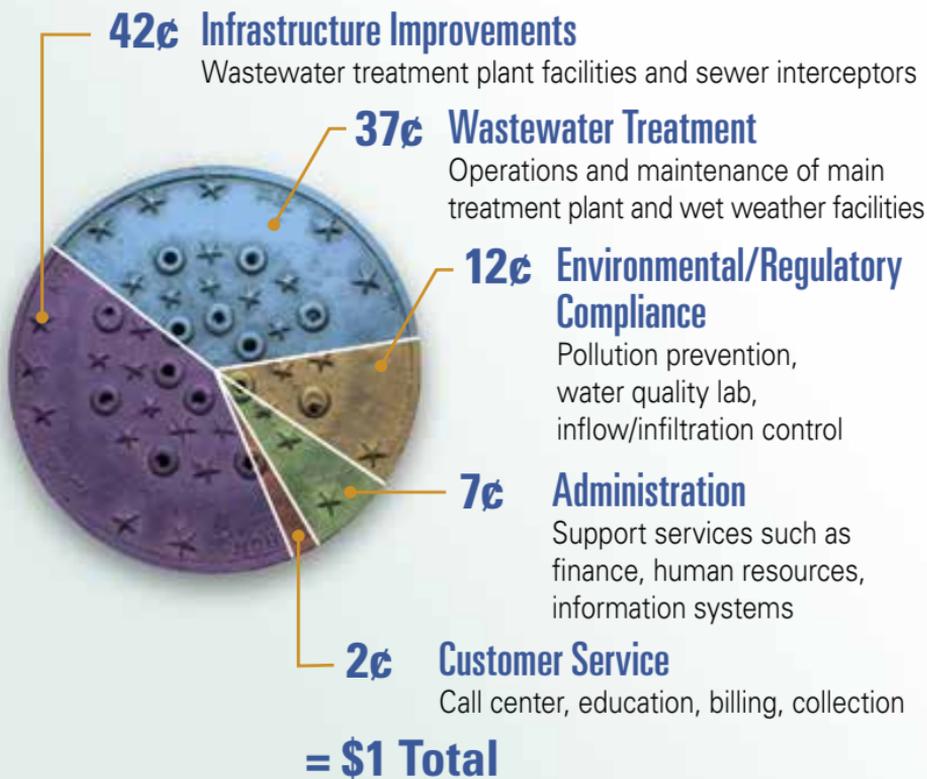
**= \$1 Total**

In fiscal years 2022 & 2023, water infrastructure spending includes:

- **Over \$115 million on Distribution Pipe Replacement** - Beneath local streets in the East Bay are a network of distribution water pipes made of cast iron, steel, and cement. While many are from the 1920s and 1940s, some date back to the late 1800s. Our 4,200 miles of distribution pipeline, if laid end-to-end, would reach from Oakland to Chicago and back again.
- **Over \$110 million on Water Treatment Plants** - The water that comes out of your tap is treated at one of our six local plants. Built in 1935, the Orinda Water Treatment Plant is the largest and serves over half of our customers.
- **Over \$45 million on Large Diameter Pipeline Replacement** - Large diameter transmission pipelines form the backbone of the distribution system. This program replaces existing aging transmission pipelines with new pipelines to improve water system resilience.



# How is each wastewater rate dollar spent?



In fiscal years 2022 & 2023, wastewater infrastructure spending includes:

- **Over \$25 million on Treatment Plant Infrastructure Improvements** - Making seismic and other improvements to the structures at the plant is vital to treat on average about 60 million gallons of wastewater per day, enough to fill 90 Olympic-size swimming pools.
- **Over \$18 million on Interceptors and Pump Stations** - EBMUD maintains 37 miles of pipelines and 15 pump stations to collect and transport waste from sewer collection systems owned by local cities to our main wastewater treatment plant located at the base of the Bay Bridge.
- **Over \$14 million on Secondary Wastewater Treatment** - When wastewater enters our plant, the first step is to remove floating objects,

grit, and small particles of suspended solids. The next step is a secondary treatment process which involves adding oxygen to the wastewater so bacteria can break down the organic matter into harmless by-products.



# Celebrating 100 years of great water

Our 100-year history demonstrates the sustainability and reliability of our water and wastewater services and our commitment to the customers and communities we serve. As we look ahead, we are well positioned to meet new challenges with passion and innovation. Did you know:

- Pardee Reservoir supplies EBMUD customers with 90% of their drinking water. It was built in 1929, and has a capacity of 198,000 acre-feet, enough to cover 15,000 football fields 10 feet deep.
- Local runoff is stored in five East Bay reservoirs: Chabot was built in 1875, San Pablo in 1919, Upper San Leandro in 1926, Lafayette in 1928, and Briones in 1964. Together, they can store up to 151,670 acre-feet of water, about 75% of Pardee's capacity.
- Pardee and Camanche Reservoirs have hydroelectric plants that in an average runoff year produce 185,300 megawatt-hours of energy, enough energy to power approximately 28,000 California homes annually.
- The three steel Mokelumne Aqueducts range in size from 5 to 7 feet in diameter and carry water by gravity for 90 miles from Pardee Reservoir to the East Bay. The first aqueduct was completed in 1929, the second in 1949, and the third in 1963.
- Lafayette and San Pablo Reservoirs offer great places to picnic, walk, jog, boat and fish. A children's playground is located at each reservoir. At Lafayette Reservoir, the most popular feature is the paved 2.7-mile loop around the reservoir.
- Chinook salmon enter EBMUD's fish hatchery on the Mokelumne River where eggs are collected, fertilized, and incubated, while other salmon spawn in the river downstream of the Camanche Dam. On average, approximately 5,400 salmon return to the river each year.
- EBMUD conducts over 20,000 lab tests annually to safeguard drinking water and ensure treated wastewater meets all federal and state standards.
- The Wastewater Treatment Plant powers all its energy needs by converting biogas generated from organic waste into electricity and sells any excess back to the grid.
- The Freeport Regional Water Facility delivers supplemental water supplies during dry years from the Sacramento River, which provides flexibility and diversity to our water supply portfolio.



*Then and now:  
Headquarters in Oakland*

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