

EBMUD Today & Tomorrow Berkeley City Council June 11, 2019 Board Director, Andy Katz

Your Water



Sierra Nevada Mountains

Pardee Reservoir

Mokelumne Aqueducts



EBMUD provides wastewater services for 685,000 residents in the East Bay

- Average Flow: ~50 million gallons per day (MGD)
- Peak Flow (system-wide): ~ 700 MGD

Objectives

- Protect public health
- Protect San Francisco Bay
- Recover resources



Protecting the Bay: Private Sewer

Engaging the public to understand the impact of rain on regional infrastructure and the Bay

Private sewer lateral ordinance:

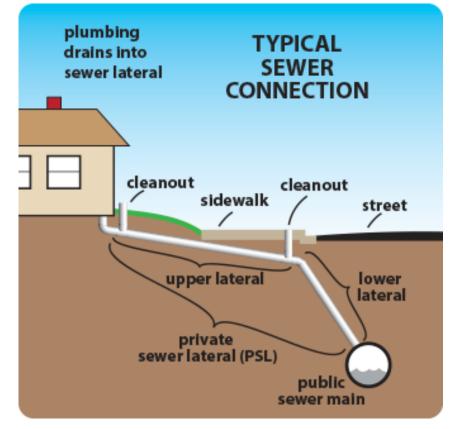
Lateral inspection/upgrade at change of ownership or renovation.

31,600 certificates issued = 425 miles of laterals certified leak-free, that's 24% of all properties

Large wastewater pipeline upgrades:

Pump Station Q Project, Urban Runoff Diversion Project, 3rd Street Interceptor Rehabilitation

\$2M annually in regional support to find/prioritize repairs: Flow Monitoring, Smoke Testing, Salinity Sampling, TV, video and photography inspection



Lead Sampling in Schools



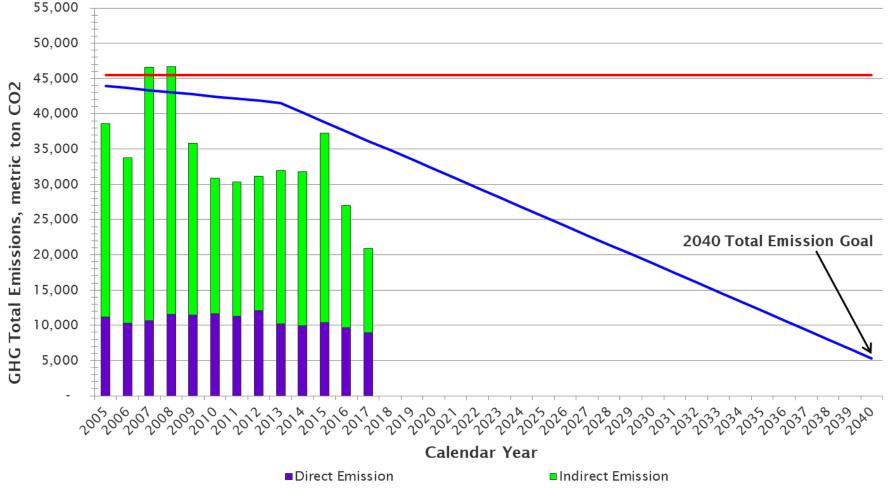


- By July 2019 water systems like EBMUD required to provide lead testing at pre-k through12th grade school sites constructed prior to 2010.
 - Testing in all schools now complete. Schools with lead above the action levels of 15 micrograms per liter were found to be from school-owned fixtures that were replaced.

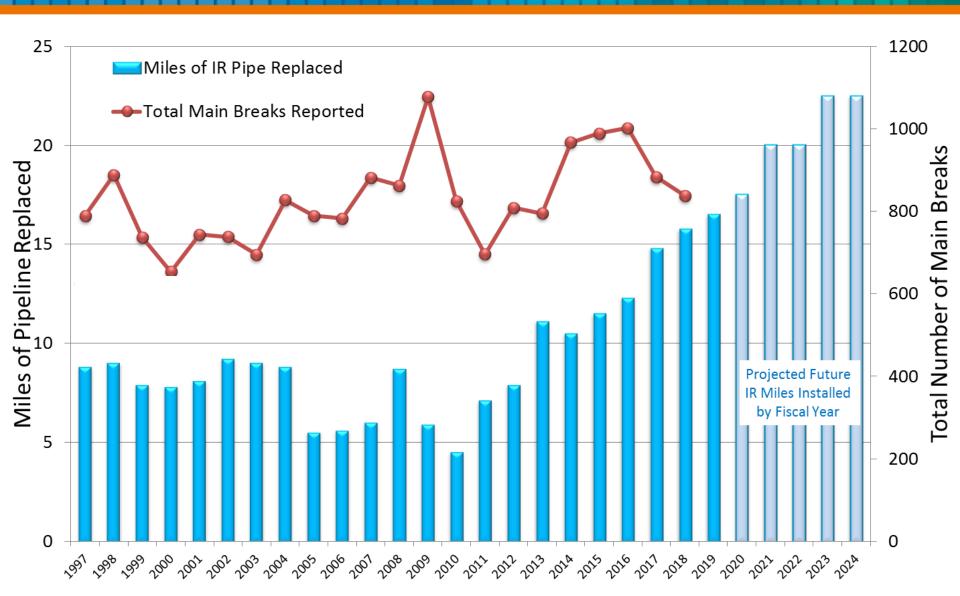
Climate Change – Mitigation and Adaptation



Annual GHG Total Emission vs Goal



Ramped-up Pipe Replacement



Sample Average Water Bill and Affordability



The District bills every 2 months

- Typical water use in Berkeley is about 5 CCF per month
- Collects Berkeley's sewer collection fees as a pass-through
- Average per day EBMUD cost: \$2.14
- Total cost per day including City of Berkeley charges: \$3.29

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	1-866-40-EBMUD YOUR ACCOUNT I					12345678001	
Next Read Date is 05/08/2019 Your Payment is Due by 03/28/2019 Every day, EBMUD customers rely on an underground network of infrastructure that delivers safe and clean water to every East Bay tap, and treats the wastewater from your home. Your rate dollars help maintain and upgrade these vital systems. Thank you for supporting EBMUD, your public, not-for-profit water agency. Learn more at ebmud.com.							
հրդիներինինը						3/13/19	
	Florence Waters 1234 PIPELINE ST					od (60 Days)	
BERKELEY, CA 94704-1234					From 1/7/19	То 3/8/19	
	l Pipelin te Resid					AMOUNT	TOTAL
PREVIOUS CHARGES AND CREDITS PREVIOUS AMOUNT DUE FULL PAYMENT - 01/17/19 EBMUD - WATER CHARGES						205.84 -205.84	0.00
WATER SERVICE CHARGE WATER FLOW CHARGE 10 UNITS @3.76 EBMUD - WASTEWATER CHARGES							86.86
WASTEWATER TREATMENT CHARGE41.10SF BAY POLLUTION PREVENTION FEE0.40							41.50
PASS THROUGH CHARGES FOR THE CITY OF BERKELEY SEWER SERVICES 68.90							
PLEASE SEE REVERSE SIDE TOTAL CURRENT FOR ADDITIONAL INFORMATION						CHARGES	197.26
Meter Size 5/8 inch	ELEV. Band 1	METER RI Current 524 LAST	EADINGS Previous 514 YEAR	UNITS 10 10	CONSUMP Gallons 7,480 7,480	TION INFORMATI Days 60 64	

Investing with Your Dollars

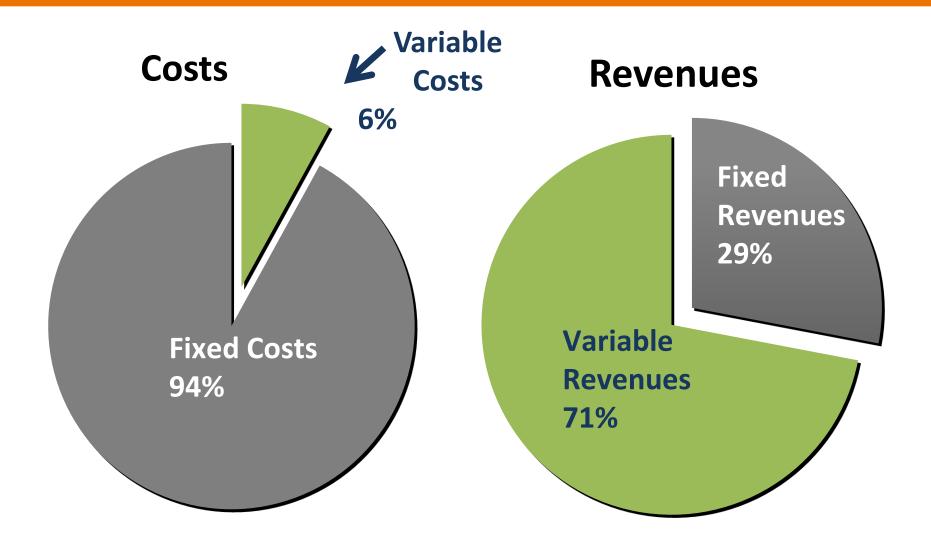


Delivering High Quality, Reliable Water through Smart Reinvestment, Innovation, and Efficiencies

- Pipeline Rebuild
- Water and Wastewater treatment plant upgrades and replacement of other key infrastructure
- Capital improvement projects prioritized by:
 - o Safety
 - o Reliability
 - Water Quality



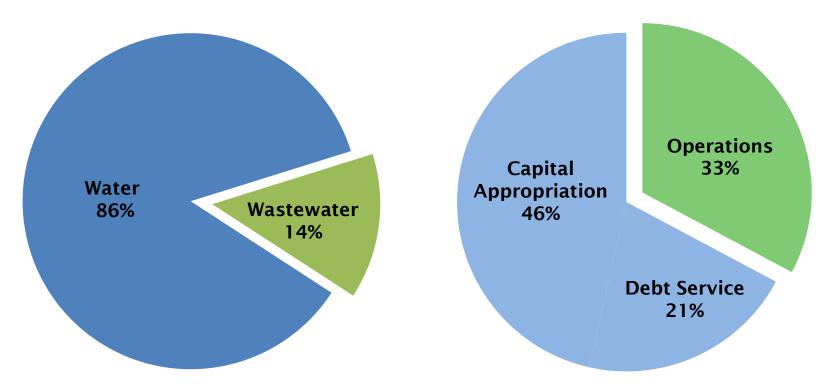
Our Operations Costs are Fixed...



Biennial Budget – FY20 & FY21



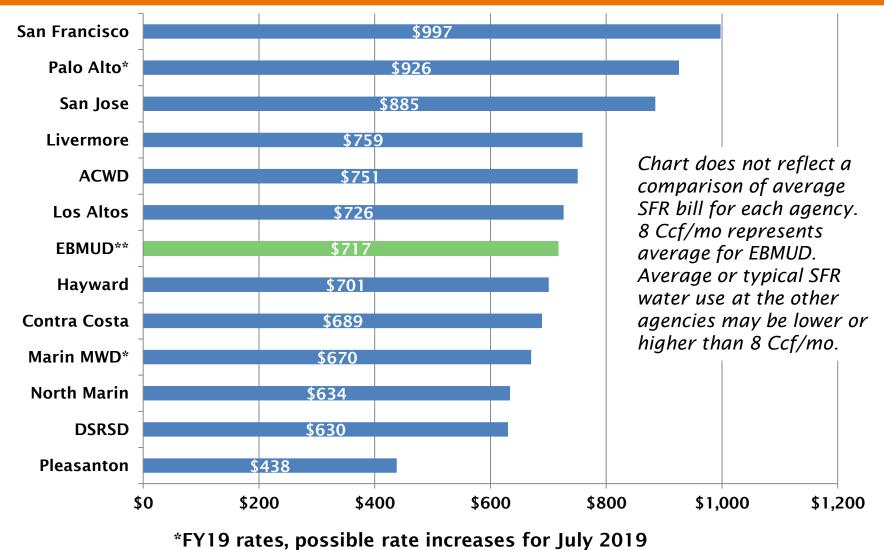
\$2.34 Billion



67% of budget is capital investment-related

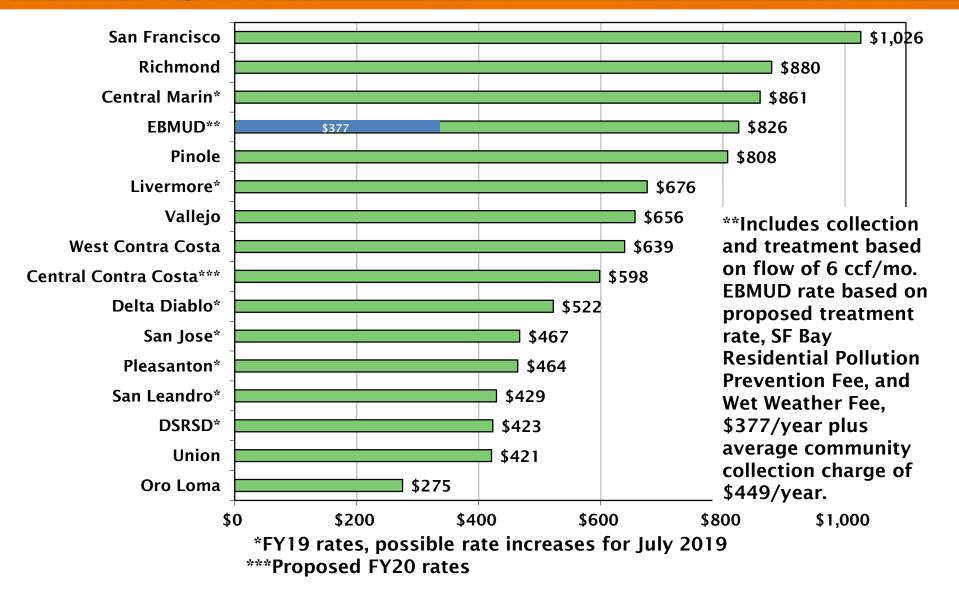
Water Bills Calculated for 8 CCF/Mo Annual Charge for SFR - Effective 7/1/19





**Proposed FY20 rates

Wastewater Bills Calculated for 6 CCF/Mo Discharge Annual Charge for SFR - Effective 7/1/19



Budget and Rates Schedule



EBMUD is proposing rate increases:

July 1, 2019

- 6.5 percent for water charges
- **4* percent for wastewater charges** (*COS changes mean increases will range from 3% to 7% CHK)

July 1, 2020

- 6.25 percent for water charges
- 4 percent for wastewater charges.

For an average household using 200 gallons per day

- = less than \$5 per month for water
- = less than \$1 for wastewater

Notice mailed to all customers in April

Public hearing held: June 11, 2019 1:15 p.m. 375 11th St, 2nd floor Board Room, Oakland Preparing for the Next 100 Years

ew. Reinvest. Read

Did You Know?

- The cost of water to the average EBMUD customer is \$1.84 per day—or less than a penny a gallon.
- EBMUD conducts more than 20,000 laboratory tests each year to ensure the safety of your drinking water.
- EBMUD is the second largest retail water agency in California.
- The public can enjoy recreation on 58,000 acres of EBMUD watershed in the East Bay and in the Sierra foothills—an area more than four times the size of Manhattan
- No matter how much or little it rains, more than 90% of EBMUD's costs are fixed.

What does it take to deliver safe, dean water every single day? It's the combined force of nature, people and pipes behind the system that brings water and watewater services to the East Bay. Nearly a century ago, with water supplies strained and water quality unreliable, citizens voted to create the East Bay Municipal Utility District and then approved a \$39 million bond measure to build the water system we enjoy today. This monumental public investment created Pardee Reservoir in the Sierra foothills, a 90-mille a queduct, and a network of pipelines, pump stations, and treatment plants.

Today, we face a generational challenge. Ensuring that this aging water system will continue to serve us into the next century requires resolve and resources. EBMUD is focused on rebuilding the pipelines that deliver water to your home and doubling the replacement rate in just a few short years. Your rate dollars are also being invested to upgrade critical parts of the system like distribution tanks, pump stations, and wastewater treatment facilities that ensure safe, clean water and protect the bay.

> There is a price for reliability. These improvements make our system stronger so we can continue to deliver reliable service to you. As a non-profit public agency, we set rates to cover the cost of service and to keep water and wastewater services running smoothly. We strive to keep our rates and budget in check while we undertake the vital work needed to rebuild this system.

> > We face a future of accelerating change: earthquakes, severe storms, drought, the rising cost of living, and thing seas. EBMUD is committed to meeting these challenges head on, and surpassing our customers' expectations of high quality, reliable water and wastewater service. We are ready.

Let's dig into questions



More information: ebmud.com