

MINUTES

Tuesday, October 28, 2025

**East Bay Municipal Utility District
Board of Directors
375 Eleventh Street
Oakland, California**

Special Meeting

President Marguerite Young called to order the Special Meeting of the Board of Directors at 9:00 a.m. in the Administration Building Boardroom. The Board met in workshop session to receive a presentation on the primary drivers, strategies, and process to prioritize the District's long-term infrastructure investment and 10-Year Capital Improvement Program (CIP); review major CIP projects for the Water and Wastewater systems, and Water and Natural Resources; and discuss pressures facing the District's CIP.

ROLL CALL

Directors April Chan, Andy Katz, Valerie D. Lewis, Jim Oddie, Joey D. Smith, and President Marguerite Young were present at roll call. Director Luz Gómez arrived at 9:02 a.m.

Staff participants included General Manager Clifford C. Chan, General Counsel Derek T. McDonald, Director of Engineering and Construction Serge V. Terentieff, Manager of Construction Division Michael J. Hartlaub, Manager of Design Division Denise V. Cicala, Manager of Pipeline Infrastructure Division Carlton D. Chan, Manager of Natural Resources Michelle L. Workman, Director of Wastewater Amit K. Mutsuddy, and Secretary of the District Rischa S. Cole.

Public Comment. None.

Presentations/Documentation. 1) Presentation entitled "Long-Term Infrastructure Investment Workshop," dated October 28, 2025.

General Manager Clifford C. Chan introduced the workshop. Director of Engineering and Construction Serge V. Terentieff introduced the speakers and reviewed the agenda. He discussed CIP drivers for the Water and Wastewater systems which include maintenance and reliability, safety, water quality, aging infrastructure, regulations, resilience, capacity, and climate change; the CIP development process which is based on the District's Strategic Plan and various coordinated master plans; Water System infrastructure; Water System projects completed in Fiscal Year (FY) 2024 – 2026 which totaled over \$500 million; and the District's \$5.6 billion 10-year CIP.

Manager of Construction Division Michael J. Hartlaub discussed Water System projects currently in construction on the Mokelumne Aqueducts, and at water treatment plants, distribution reservoirs, pumping plants, occupied facilities and other facilities. Total costs for these projects total over \$1 billion. Upcoming projects across various asset classes will require an estimated \$4.4 billion investment and are scheduled to kick off between FY 2026 – 2035. Pipeline Rebuild projects comprise \$2 billion of the estimated \$4.4 billion investment. He reviewed how major projects are sequenced

across the 10-year CIP and explained that many of the projects are complementary, with one project's completion supporting the next during its outage. Next, he discussed the raw water transmission system which includes the Mokelumne and Lafayette aqueducts and raw water treatment drivers. Upcoming projects to improve water chemistry and raw water transmission capacity include improvements to the Pardee chemical plant; relining and recoating sections of the Mokelumne Aqueducts to address interior and exterior corrosion; relining Lafayette Aqueduct No. 1; and repairing and shortening the Lafayette Reservoir tower by 40 feet to improve seismic performance as mandated by the Division of Safety of Dams. Mr. Hartlaub and General Manager Clifford C. Chan addressed Board questions about how long aqueduct improvements are anticipated to last; how new technology has improved District processes; if adding chemicals for raw water treatment will impact water quality; and planned work and assessments of Mokelumne Aqueduct No. 1. There was considerable discussion on the rehabilitation work on the three Mokelumne aqueducts and a request for additional information on Mokelumne Aqueduct No. 1 and the long-term future of the District's aqueduct system.

- Director Oddie left the meeting at 9:28 a.m. and returned at 9:46 a.m.
- Director Chan left the meeting at 9:34 a.m. and returned at 9:36 a.m.

Manager of Design Division Denise V. Cicala reviewed upcoming investments in water treatment and distribution facilities that will enhance reliability, water quality, and seismic resilience. She highlighted the scope, schedule and criticality of the Orinda Water Treatment Plant Disinfection Improvements Project; the Walnut Creek Water Treatment Pretreatment Project; the Walnut Creek Water Treatment Plant Water Quality Research Facility; the Upper San Leandro Water Treatment Plant Maintenance and Reliability Project; the Sobrante Water Treatment Plant Reliability Improvements Project; and described the coordination and complexity involved in completing the chemical systems safety improvements, which will bring all District water treatment plants up to current safety standards. Based on project complexity and lessons learned, the District is using a phased consultant management approach for the Walnut Creek Water Treatment Pretreatment Project. This approach enables staff to refine the scope, perform value engineering, and explore construction sequencing options during the first design phase without affecting the detailed design scope or budget. Next, she discussed the criticality of rehabilitating four open-cut District reservoirs and the scope of work and schedule to replace Central Reservoir in Oakland, the oldest storage reservoir in the distribution system. This project, one of the District's largest investments, will replace the existing 154-million-gallon reservoir with three 14-million-gallon tanks using the progressive design-build method. Ms. Cicala concluded with an overview of projects to replace aging and deficient mechanical and electrical infrastructure and update various pumping plants to meet current safety standards. Board members asked about timelines for all projects in each ward and plans for public access and amenities at the Central Reservoir.

Manager of Pipeline Infrastructure Division Carlton D. Chan reviewed progress on the Summit Pressure Zone South Transmission Pipeline Replacement Projects. Phase 2A of these three-phase projects, which is located in Oakland and Berkeley, is in construction and anticipated to conclude by December 2026. Future phases will further enhance system reliability in Oakland and Berkeley by relocating vulnerable segments away from the Hayward fault zone. He highlighted the Alameda Crossing Projects, which will improve water supply reliability to Alameda Island. Phase 1, the Oakland Inner Harbor Crossing, was completed in 2023. Phase 2, the San Leandro Channel Crossing, is in design for completion by 2028, while design for Phase 3, the Tidal Canal Crossing, is scheduled to begin in 2030. The South 54 Aqueduct Relocation Project in Oakland will replace 7,000 feet of 48-

inch transmission pipeline beginning in FY 2032 to improve service reliability to the southern distribution area. Since its inception in FY 2015, the Pipeline Rebuild Program has replaced 213 miles of distribution pipelines, with plans to replace another 280 miles between FY 2026 and FY 2035. Replacing distribution pipelines reduce water loss and minimize impacts to customers and the environment. Installing resilient materials such as earthquake resistant ductile iron pipe is critical to building a more reliable water system. The District will spend about \$100 million on Pipeline Rebuild and anticipates spending an additional \$1.3 billion during the next 10 years. Staff is partnering with the U.C. Berkeley Center for Smart Infrastructure on various projects including developing a more advanced mortar lining for Mokelumne Aqueduct No. 3; satellite monitoring of the vents on Mokelumne Aqueduct No. 1; improvements to the Likelihood of Failure and Consequence of Failure models; condition pipeline assessments; and advanced geotechnical monitoring and modeling of the erodibility of the Pardee Dam spillway. Staff is also using applications and programs to increase efficiency, manage documents, automate workflows and collaborate across workgroups. Mr. Chan summarized the Water Systems' CIP noting the investment buys a more sustainable and resilient water system for District customers and the community. Staff and the General Manager addressed Board questions about District progress in addressing and reducing main breaks; trenchless pipe installation; a dig once, dig less approach for Pipeline Rebuild Program projects; key performance indicators for accelerating or decelerating pipe work in conjunction with cities' efforts; additional coordination with cities on pipe installations; moving pipe alignments out of fault zones; and fund allocations for each project.

- Director Oddie left the meeting at 10:06 a.m. and returned at 10:11 a.m.
- Director Gómez left the meeting at 10:15 a.m. and returned at 10:18 a.m.

Manager of Natural Resources Michelle L. Workman reviewed recently completed projects focused on habitat restoration, ecosystem protection, and recycled water expansion to enhance drought resilience and reduce reliance on potable supplies. As part of the District's commitment to the ongoing Healthy Rivers and Landscapes Habitat Restoration Program and supported by \$8.1 million in state and federal grants, projects in construction include floodplain restorations on the lower Mokelumne River, riparian diversion fish screens installations, gravel restoration projects, and long-term habitat monitoring at the McCormack Williamson Tract. Ms. Workman also highlighted the recently completed Tomato Stand Fish Passage Project which replaced a failing culvert with a bridge, restored the Pinole Creek channel to improve fish passage and reduce flooding and was funded by \$787,000 from the Wildlife Conservation Board. The Water System CIP includes funding in later years for projects described in the Recycled Water Strategic Plan Update approved by the Board earlier this year. These projects will expand the delivery of recycled water through DERWA (San Ramon to Danville) and the East Bayshore project (East Bayshore to Alameda) and help reduce potable demand.

Director of Wastewater Amit K. Mutsuddy reviewed the Wastewater System and noted the system's 10-year CIP represents a \$1.21 billion investment to modernize and strengthen wastewater infrastructure. The CIP designates \$990 million to renewal of the Main Wastewater Treatment Plant (MWWTP) and \$223 million to interceptor and wet weather system upgrades. Between FY 2024 and FY 2026, the District completed \$131.2 million in capital improvements that enhanced safety, energy efficiency, and reliability through the Digester Upgrade Phase 3 Project, Interceptor Special Structures Rehabilitation Project, Pump Station M Rehabilitation Project, and the North Interceptor Rehabilitation Project in Emeryville. Additional improvements included the Secondary Clarifiers Rehabilitation Phase 3 Project, upgrades to the MWWTP Operations Center, and improvements to the MWWTP Administration and Laboratory facilities. Mr. Mutsuddy reviewed how major projects are

sequenced across the 10-year CIP and key upcoming projects and those that are in construction. These include the Oxygen Plant Rehabilitation Project; the Pump Station H Improvements Phase 2 Project; the Grit Dewatering Improvements Project; the Influent Pump Station Resiliency Project, which is being supported by \$28 million in FEMA funding; a new Dewatering Building Project; the Secondary Reactors Rehabilitation Phase 2 Project; and the MWWTP Administration and Laboratory Seismic Upgrade Project. The Nutrient Removal Project, currently estimated at about \$200 million, is expected to be the largest investment in the Wastewater System 10-year CIP and will give the District the needed capacity and also redundancy to meet the 2035 nutrient limits imposed by the State Water Resources Control Board. Staff is implementing an alternative project delivery model for high-risk projects and big-budget projects, innovating to address nutrient removal, and continuing to generate revenue through the Resource Recovery Program. He concluded with a summary of the Wastewater System CIP which reflects a proactive and fiscally responsible approach to modernizing core facilities while advancing sustainability and compliance.

General Manager Clifford C. Chan thanked the Board for their feedback and emphasized the importance of their input over the next year. He reviewed next steps and a timeline of scheduled updates to the Board regarding the CIPs for both systems.

- Director Katz left the meeting at 10:45 a.m. and returned at 10:46 a.m.


Board members thanked staff for the presentation and the tour of District facilities on October 22. They expressed support for the projects discussed and requested the following:

- Information on the long-term rehabilitation plan for Mokelumne Aqueduct No. 1 and how the District's long-term plans for its aqueduct system align with Delta Conveyance Project plans
- Information on community amenities planned for Central Reservoir and site renderings from the surrounding areas
- Timelines for all CIP projects broken down by ward
- A report comparing pipeline replacement rates and main breaks over the past 10 years
- Additional information on how projects are designed to avoid fault zones
- An update on progress and planned versus actual expenditures for current CIP projects
- Consider aesthetic improvements during upcoming facility upgrades at the MWWTP
- Consider hosting a ribbon-cutting event when the Orinda Water Treatment Plant project is completed
- Explore closer coordination with cities to align Pipeline Rebuild Program work with local projects and evaluate opportunities to accelerate or decelerate work

ADJOURNMENT

President Young adjourned the Special Meeting at 10:53 a.m.

SUBMITTED BY:



Rischa S. Cole, Secretary of the District

APPROVED: November 12, 2025



Marguerite Young, President of the Board