



**BOARD OF DIRECTORS
EAST BAY MUNICIPAL UTILITY DISTRICT**

375 - 11th Street, Oakland, CA 94607

Office of the Secretary: (510) 287-0440

Notice of Time Change

PLANNING COMMITTEE

Tuesday, February 14, 2023

8:30 a.m.

Boardroom, 2nd Floor

375 11th Street

Oakland, CA 94607

Notice is hereby given that the Tuesday, February 14, 2023 Planning Committee meeting of the Board of Directors has been rescheduled from 9:15 a.m. to 8:30 a.m. The meeting will be held in the Administration Building Boardroom at 375 11th Street, Oakland, California.

Dated: February 9, 2023

A blue ink signature of Dana R. Mims, written in a cursive style, is positioned above a horizontal line.

Dana R. Mims

Acting Secretary of the District

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**BOARD OF DIRECTORS
EAST BAY MUNICIPAL UTILITY DISTRICT**

375 - 11th Street, Oakland, CA 94607

Office of the Secretary: (510) 287-0440

**AGENDA
Planning Committee
Tuesday, February 14, 2023
8:30 a.m.
Boardroom, 2nd Floor
375 11th Street
Oakland, CA 94607**

***** Please see appendix for public participation instructions*****

Committee Members: Doug A. Linney {Chair}, April Chan, Margurite Young

ROLL CALL:

PUBLIC COMMENT: The Board of Directors is limited by State law to providing a brief response, asking questions for clarification, or referring a matter to staff when responding to items that are not listed on the agenda.

DETERMINATION AND DISCUSSION:

1. Update on the GreenGen Pumped Storage Project (Tognolini)
2. Regulatory Compliance Semi-Annual Report – July 2022 through December 2022 (Briggs)
3. Fiscal Year 2022 Annual Readiness Report (Briggs)

ADJOURNMENT:

Disability Notice

If you require a disability-related modification or accommodation to participate in an EBMUD public meeting please call the Office of the Secretary (510) 287-0404. We will make reasonable arrangements to ensure accessibility. Some special equipment arrangements may require 48 hours advance notice.

Document Availability

Materials related to an item on this agenda that have been submitted to the EBMUD Board of Directors within 72 hours prior to this meeting are available for public inspection in EBMUD's Office of the Secretary at 375 11th Street, Oakland, California, during normal business hours, and can be viewed on our website at www.ebmud.com.



APPENDIX

Planning Committee Meeting Tuesday, February 14, 2023 – 8:30 a.m.

*EBMUD Board committee meetings will be conducted in person in the Boardroom and via Zoom.
These meetings are recorded and live-streamed.*

Online*

<https://ebmud.zoom.us/j/94576194030?pwd=dWZlc3hNU3JNUVBQYmNKWjJSNVZQdz09>

Webinar ID: 945 7619 4030

Passcode: 925293

By Phone

Telephone: 1 669 900 6833

Webinar ID: 945 7619 4030

Passcode: 925293

International numbers available: <https://ebmud.zoom.us/u/kdmpbwwlg2>

*To familiarize yourself with Zoom, please visit <https://support.zoom.us/hc/en-us/articles/201362193-Joining-a-Meeting>

Providing public comment - *The EBMUD Board of Directors is limited by State law to providing a brief response, asking questions for clarification, or referring a matter to staff when responding to items that are not listed on the agenda.*

- Each speaker is allotted 3 minutes to speak; the Board President has the discretion to amend this time based on the number of speakers
- The Secretary will track time and inform each speaker when the allotted time has concluded
- Comments on **non-agenda items** will be heard at the beginning of the meeting
- Comments on **agenda items** will be heard when the item is up for consideration
- The Secretary will call each speaker in the order received

In person

- Fill out and submit a blue speaker card which is available in the foyer of the Boardroom

Via Zoom

- Use the raise hand feature in Zoom to indicate you wish to make a public comment
<https://support.zoom.us/hc/en-us/articles/205566129-Raising-your-hand-in-a-webinar>
 - If you participate by phone, press *9 to raise your hand
- When prompted by the Secretary, please state your name, affiliation if applicable, and topic

Submitting written comments or materials

- Email written comments or other materials for the Board of Directors to SecOffice@ebmud.com
- Please indicate the meeting date and agenda item number or non-agenda item in the subject of the email. Contact information is optional.
- **Please email by 4 p.m. the day prior to the scheduled regular meeting;** written comments and other materials submitted to the Board of Directors will be filed in the record.

To observe the Planning Committee Meeting,
please visit: <https://www.ebmud.com/about-us/board-directors/board-meetings/>

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: February 9, 2023

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager *CCC*

FROM: Michael T. Tognolini, Director of Water and Natural Resources *MTT*

SUBJECT: Update on the GreenGen Pumped Storage Project

SUMMARY

GreenGen Storage LLC (GreenGen) is studying the use of reservoirs owned by PG&E in the upper Mokelumne watershed to construct a 400 to 1,200 megawatt pumped-storage hydropower system. Staff, along with other stakeholders in the watershed, are evaluating GreenGen's proposal to understand implications of the project to water supply, water quality, cultural resources, recreation, and wildlife. This item will be presented at the February 14, 2022 Planning Committee meeting.

DISCUSSION

In December 2017, the Federal Energy Regulatory Commission (FERC) issued a Preliminary Permit to GreenGen to study using Salt Springs Reservoir and either Lower or Upper Bear Reservoir as a pumped-storage hydropower project. A Preliminary Permit reserves the site for GreenGen while it investigates the feasibility of a project, but it does not formally initiate the licensing process and has a limited duration.

In April 2022, GreenGen began the licensing process by submitting a Notice of Intent and Pre-Application Document to FERC. In June 2022, FERC issued a notice inviting comments on the GreenGen submittal and the FERC-prepared Scoping Document. Several federal, state, and local agencies, including EBMUD, submitted comments, along with requests for studies to be conducted by GreenGen prior to GreenGen submitting a licensing proposal to FERC. In September 2022, after reviewing and addressing the comments and requests, GreenGen released its Proposed Study Plan. EBMUD and others commented on the Proposed Study Plan, and in November 2022, GreenGen submitted a revised Proposed Study Plan. The next step will be for FERC to issue a determination on the GreenGen Study Plan, after which, GreenGen will have several years to conduct the studies and file study reports. The District will have an opportunity to review and comment on these future studies and reports.

Concept: The project would pump water from Salt Springs Reservoir into one of the Bear reservoirs in the late morning and early afternoon when electricity use is low (and the price for electricity is low) and then generate electricity using hydropower in the early morning and evening when electricity use and prices are high. GreenGen has indicated that a combination of renewable and traditional electrical supplies would be used to initially pump the water uphill into one of the Bear reservoirs, but eventually power to run the pumps would be renewable as California strives for 100 percent carbon-free electricity by 2045.

Facilities: The project would require a new tunnel between the reservoirs, pumping plant, underground turbine, powerhouse, and potentially, upgrades to the electrical transmission grid. The 18-foot diameter tunnel would originate at one of the Bear reservoirs and travel 3 to 4 miles to Salt Springs Reservoir. GreenGen is also evaluating whether the chosen Bear Reservoir would need to be raised 2.5 to 10 feet. The estimated cost to construct the project is \$1.2 billion.

Water Supply Concern: GreenGen has indicated that 1,000 acre-feet of water supply would be necessary to make the project work but has not identified the source of the water or the process they would use to acquire the rights to the water. Furthermore, there are insufficient operational details to understand the impacts to the District's operations and how those operations would influence available water supply. GreenGen acknowledged the complexity and retained a water rights attorney, and is actively looking for a source.

Water Temperature Concern: Upstream operation of the project may change the temperature, amount, and timing of cold water entering Pardee Reservoir, which in turn would impact the District's ability to maintain the regulatory required cold-water pool in Camanche Reservoir that is vital to the District's downstream fishery operations in the lower Mokelumne River. As outlined in the revised Proposed Study Plan, GreenGen is developing a watershed operations model and a water temperature model for Salt Springs and either Lower or Upper Bear reservoirs to study and evaluate this concern.

Other Concerns: Watershed stakeholders, including the federal resource agencies, have also raised concerns about inundation of cultural resources and wildlife habitat caused by raised dams, reduced recreational opportunities caused by daily reservoir level changes, wildlife impacts associated with construction of the tunnels, and wildfire risk associated with upgrades to the electrical transmission system.

NEXT STEPS

FERC is reviewing GreenGen's Proposed Study Plan; after which, GreenGen will finalize the Study Plan. The Study Plan will define the scope of the field studies to obtain the information to develop an official application for a license that is expected to be completed by 2026. If constructed, the project would not be operational until late 2029. Meanwhile, staff will continue to work with other stakeholders in the watershed to evaluate the project to ensure it does not negatively impact the watershed, specifically the District's operations and obligations.


CCC:MTT:dec


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EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: February 9, 2023

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager 

FROM: David A. Briggs, Director of Operations and Maintenance 

SUBJECT: Regulatory Compliance Semi-Annual Report – July 2022 through December 2022

SUMMARY

The Regulatory Compliance Semi-Annual Report provides the status of the District's efforts to meet the objectives of and comply with environmental, health, and safety regulations in accordance with District Policy 7.05 – Sustainability and Resilience and Policy 7.09 – Workplace Health and Safety. This report will be presented at the February 14, 2023 Planning Committee meeting.

DISCUSSION

A summary of the major regulatory issues during the reporting period is outlined below. Specific details and activities are contained in the attached report.

Environmental Compliance

In October, the toxicity in the filter backwash discharged to San Pablo Creek from the Orinda Water Treatment Plant exceeded regulatory limits. No environmental impacts were observed in the creek. The District and San Francisco Regional Water Quality Control Board (SFRWQCB) are still reviewing the matter.

In December, the District submitted additional requested technical information to the SFRWQCB related to a main break in Alamo in 2021. The discharge impacted aquatic species, including fish and invertebrates in nearby San Ramon creek. The SFRWQCB has yet to take any regulatory action against the District.

In late December, intense local rainfall led to multiple Sanitary Sewer Overflows from the wastewater collection system. A cumulative total of 4.762 million gallons of storm-diluted wastewater was discharged into San Francisco Bay.

Workplace Health and Safety

The District's rolling 12-month lost-time injury rate as of December 31, 2022 lowered to 2.0 (excluding COVID cases). Injury rates rose during the most restrictive periods of the pandemic. Since last spring, more trainings and site visits have occurred, increasing employee awareness, and contributing to the recent decrease in injury rates.

On August 8, 2022, Cal/OSHA issued a *Notice of No Violation After Inspection* regarding an inspection that was conducted at a Pipeline Rebuild jobsite in San Pablo earlier in the year.

The District's emergency declaration for COVID-19 was rescinded on December 13, 2022 as a first step towards transitioning the District out of the pandemic.

CCC:DAB:sd

Attachment: Semi-Annual Regulatory Compliance Report

I:\SEC\2023 Board Related Items\Committees 2023\021423 Planning Cttee\OMD - Regulatory Compliance Semi-Annual Report.docx

**REGULATORY COMPLIANCE SEMI-ANNUAL REPORT
July 2022 through December 2022**

This report provides the status of the District's efforts to meet the objectives of and comply with environmental, health, and safety regulations in accordance with District Policy 7.05 – Sustainability and Resilience and Policy 7.09 – Workplace Health and Safety.

ENVIRONMENTAL COMPLIANCE

**National Pollutant Discharge Elimination System and Waste Discharge Requirements
Permit Issues**

Pardee Recreation Area Wastewater Treatment Plant Coliform Exceedance and Permit Amendment: In August 2022, Pardee Recreation Area (PARA) Wastewater Treatment Plant (WWTP) exceeded its effluent monthly average limit for total coliforms (TC). The facility is permitted to apply wastewater to nearby land from April through October. The wastewater is disinfected prior to application. For the August disposal events, the chlorine residual target was achieved but the TC limit was exceeded.

The cause of the exceedance is unclear. In preparation for an inspection of one of the two concrete-lined storage ponds, a higher-than-normal volume of wastewater was moved between the two ponds. The potential higher suspended solids in the wastewater may have caused shielding, where the TC were buried within the particles and limiting disinfection. To prevent future exceedances, the District considered increasing the chlorine residual but this could increase the potential for elevated disinfection byproducts (DBPs) to be discharged to groundwater.

As a solution, the District proposed removal of the TC limits and the disinfection process from PARA WWTP's discharge permit to the Central Valley Regional Water Quality Control Board (CVRWQCB). The land application area is not publicly accessible. On net, wastewater with small amounts of coliform is preferable to impacting the groundwater with DBPs. The CVRWQCB agreed to remove the TC limit and disinfection process from the discharge permit.

Orinda Water Treatment Plant Acute Toxicity Exceedance: On November 1, 2022, staff met with the San Francisco Regional Water Quality Control Board (SFRWQCB) to discuss a National Pollutant Discharge Elimination System permit exceedance for the filter backwash effluent. This meeting was in response to a quarterly bioassay sampled on October 17, 2022 that resulted in 100 percent mortality. The SFRWQCB approved the District's plan for accelerated monitoring to determine the cause of the exceedance. Subsequent bioassays on October 28, November 14, and November 28 had survival rates of 75 percent, 100 percent, and 100 percent, respectively, which ultimately provided compliance with the permit. Staff sampled the sediment and bioassay pour off for pollutants and algal toxins. Sediment accumulation in the Mokelumne Aqueducts from Folsom South Canal Connection operations may have contributed to the high mortality but no definite conclusions could be drawn from the data. A follow-up meeting with the SFRWQCB was held on January 13, 2023. The SFRWQCB was appreciative of the District's effort to pinpoint the cause of the toxicity.

Sanitary Sewer Overflows (SSOs): On December 31, 2022, an exceptionally large storm caused multiple SSOs from the collection system. Three overflow structures along the South Interceptor (San Leandro Creek in Oakland, Alice Street in Oakland, and Webster Street in Alameda) discharged a cumulative total of 4.762 million gallons of storm-diluted wastewater into San Francisco Bay. In addition to these discharges, several manholes near Gilman Street in Berkeley and Clement Street in Alameda overflowed into the streets due to exceptionally high interceptor levels. The cumulative volume of the manhole overflows is approximately 398,000 gallons. Regulatory notifications to the California Office of Emergency Services, San Francisco Regional Water Quality Control Board (SFRWQCB), Alameda County Department of Environmental Health, and affected cities were completed. The primary cause of the event was excessive rainfall and flow in the system exceeding capacity. The District is evaluating Pump Station Q operations to determine whether starting Pump Station Q earlier could have eliminated or reduced the overflows from the Berkeley manholes. Pump Station Q was last operated over ten years ago and is designed to reduce levels in the North Interceptor by sending flow back to Point Isabel Wet Weather Facility when there is treatment capacity available.

An effluent limit exceedance for total coliform occurred on December 27, 2022 at the Point Isabel Wet Weather Facility. Total coliform was 310 most probable number (MPN)/100 milliliters (ml), which was above the average daily effluent limit of 240 MPN/100 ml. The exceedance was reported to the SFRWQCB and additional sampling results indicate that effluent limits were met after the initial exceedance. The initial sample was taken approximately one hour into the first discharge at Point Isabel Wet Weather Facility this season and may have been affected by higher-than-normal turbidity and solids in the first discharge. The District will consider sampling later into the discharge for future events as a corrective action; however, subsequent samples using the existing sampling protocol have met effluent limits.

Other Environmental Issues

Adeline Maintenance Center Leaking Underground Storage Tank: Alameda County Environmental Health Department previously requested the District to produce a workplan to further characterize groundwater and soil vapor at the site. The District delivered the requested workplan in February 2021. In September 2022, the county reviewed the workplan and requested revisions which were delivered to the county on November 18, 2022. The county approved the workplan on November 22, 2022. The subsurface work will be conducted in winter 2023 and the Site Investigation Report is due March 1, 2023.

Penn Mine Landfill: On May 19, 2022, the Central Valley Regional Water Quality Control Board (CVRWQCB) requested additional information as a follow up to their site inspection on May 26, 2021. The CVRWQCB requested the District submit an analysis for zinc and copper loading from the Penn Mine site to the nearby Camanche Reservoir by August 31, 2022. The District analyzed and reported the zinc and copper concentrations and trends from samples collected in the reservoir for the last 10 years. The report was delivered to the CVRWQCB by the stated deadline.

Poison Lake Mine Tailings Site: On June 30, 2022, The Central Valley Regional Water Quality Control Board (CVRWQCB) requested the District and site remediation partner, the U.S. Bureau

of Land Management (BLM), provide a Sample Collection and Analysis Plan (SCAP) for surface water along with an Annual Inspection and Maintenance Plan (AIMP) for the site by October 31, 2022 and produce and deliver the first annual self-monitoring report by October 31, 2023. In partnership with BLM, the District agreed to implement the sampling plan and submit annual reports while BLM implements the AIMP and produces the annual self-monitoring report. The District delivered the SCAP to the CVRWQCB by the requested deadline.

Fleet East Facility Underground Storage Tank Removal: On November 29, 2022, the District removed the 12,000-gallon diesel underground storage tank (UST) system and installed a new above-ground storage tank. The UST removal permit required soil sample collection and characterization. The analytical results for all constituents had no exceedances except for total petroleum hydrocarbons in one sample. On December 21, 2022, Contra Costa County informed the District that the analytical results for the soil samples, and other relevant materials were forwarded to the San Francisco Regional Water Quality Control Board (SFRWQCB) for their review. The county also informed the District that the UST removal permit conditions have been met and the closure confirmation letter will be provided to the facility. The District will continue to work with the contractors to characterize the extent of contamination at the UST removal site and respond to the SFRWQCB's requirements as needed.

Water Main Break at 120 Hemme Avenue, Alamo: On December 19, 2022, the District submitted additional requested technical information to the San Francisco Regional Water Quality Control Board (SFRWQCB) related to the Hemme Avenue main break that occurred on October 1, 2021. The discharge impacted aquatic species, including fish and invertebrates in nearby San Ramon Creek. Notification for this incident was made directly to the SFRWQCB and to the California Office of Emergency Services.

WORKPLACE HEALTH AND SAFETY

Lost Time Injury Rate: The Workforce Planning and Development goal in the District's Strategic Plan includes a Key Performance Indicator (KPI) for Lost Time Injury Rate (LTIR) of less than or equal to 3.0. The District's rolling 12-month LTIR as of December 31, 2022 is 2.0 (excluding COVID cases). The LTIR measures the number of work-related injuries or illnesses resulting in days away from work per 100 employees.

COVID-19 Pandemic: A *COVID-19 Transition Plan* was drafted and published in December 2022 to guide the transition activities. The plan was developed with input from employees and Union representatives. As a first step, the District rescinded the District's emergency declaration for COVID-19 on December 13, 2022. During this reporting period, 435 employees contracted COVID-19 mostly outside of work. Ten Cal/OSHA-defined outbreaks were reported. There were 17 cases of COVID-19 meeting the definition of a Cal/OSHA recordable case. To be recordable, the COVID-19 illness must be work-related and result in one of the following: death, days away from work, restricted work, transfer to another job, or medical treatment beyond first aid. A COVID-19 work-related exposure includes interaction with people or working in the same area with people known to be infected with COVID-19; or sharing tools, materials or vehicles with a person known to have been carrying the virus. If there is no known exposure that would trigger

the presumption of work-relatedness, the employer must evaluate the employee's work duties and environment to determine the likelihood that the employee was exposed during employment.

On December 15, 2022, a non-emergency COVID-19 prevention regulation was adopted by the Occupational Safety and Health Standards Board effective in January 2023 after approval by the Office of Administrative Law. The COVID-19 Prevention Emergency Temporary Standard remains in effect until the new regulation becomes effective. The new regulation includes guidelines from the California Department of Public Health (CDPH). There are no material differences to the District between the emergency and nonemergency regulation. Both Alameda County Department of Public Health and Contra Costa County Public Health have also adopted the CDPH guidelines. The District continues to monitor the various regulatory agencies to ensure the District remains in compliance and informs employees of any changes.

Cal/OSHA Inspections: On August 8, 2022, Cal OSHA issued a *Notice of No Violation After Inspection* regarding an inspection that was conducted at a Pipeline Rebuild jobsite in San Pablo on February 3, 2022.


Cal/OSHA Tunnel Safety for Mokelumne Aqueduct Relining: Coordination with Cal/OSHA was required to determine whether the work conducted for Mokelumne Aqueduct Relining Project would be classified under the Tunnel Safety Orders (TSO). Under normal operations, this work would be regulated under the Construction Safety Orders that would be typical of most construction projects. Because the contractor proposed to use diesel-powered equipment inside the pipe, the Tunnel and Mining Unit of Cal/OSHA planned to regulate this project under the TSO. This added significant additional safety requirements to the project, including an onsite meeting with Cal/OSHA before commencement of work and having a Cal/OSHA certified gas tester onsite during project operations. The Cal/OSHA pre-job inspection took place onsite in Stockton on November 18, 2022 and resulted in approval for the project to commence work.


California Highway Patrol (CHP) Commercial Motor Vehicle Inspection: On September 27, 2022, CHP conducted an inspection of our commercial motor vehicle program at Pardee Center. The inspection includes driving records, the motor carrier's drug testing program, and equipment inspection and maintenance records. The CHP issued Pardee Center an unsatisfactory rating due to not having complete records of Department of Motor Vehicle Pull Notices for two commercial drivers. The District has since obtained this information and submitted to the CHP. Once reviewed by the CHP, the inspection will be closed.

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: February 9, 2023

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager 

FROM: David A. Briggs, Director of Operations and Maintenance 

SUBJECT: Fiscal Year 2022 (FY 2022) Annual Readiness Report

SUMMARY

Policy 7.03 – Emergency Preparedness/Business Continuity requires the District to have an Emergency Preparedness Program to manage critical functions during an emergency. The policy also requires the District to create and maintain a Business Continuity Program (BCP) to minimize disruptions to critical business functions and enhance its capability to recover operations. The state of these programs during FY 2022 will be reviewed at the February 14, 2023 Planning Committee meeting.

DISCUSSION

Hazards such as earthquakes, wildfires, power outages, pandemics, or cyberattacks can impact the District's critical infrastructure or disrupt business functions. The Emergency Preparedness Program and BCPs include response plan preparation, training and exercises, mitigation actions, and outreach to minimize the community impact of these hazards.

Policy 7.03 also requires the Board of Directors to confirm Standby Officers on an annual basis to serve in the place of an unavailable Board member during an emergency. Standby Officers were appointed by the Board at the January 24, 2023 meeting. The District evaluates its Emergency Preparedness Program and BCPs annually to determine readiness for emergency response and to continuously improve them. During FY 2022, many areas of emergency preparedness and business continuity were reviewed, and exercises were conducted. Attached is the District's FY 2022 Annual Readiness Report.

NEXT STEPS

In FY 2023, the District will review and update key plans and conduct tests, exercises, and training as outlined below:

- Conclude the COVID-19 public health emergency as the community transitions out of the pandemic in early calendar year 2023
- Update the Earthquake Mitigation and Response Plan
- Conduct BCP exercises and the annual Emergency Operations Team exercise

Fiscal Year 2022 Annual Readiness Report
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- Work with cities and counties on emergency planning and water distribution
- Meet with our mutual aid partners

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Attachment: Fiscal Year 2022 Annual Readiness Report

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FISCAL YEAR 2022 (FY 2022) ANNUAL READINESS REPORT

In accordance with Policy 7.03, the District maintains an Emergency Preparedness and Business Continuity program to plan, prepare for, mitigate, respond to and recover from emergencies that affect our water and wastewater systems. The District maintains a variety of plans and conducts training exercises to continuously improve the resilience of the District's systems. This report reviews District Emergency Preparedness activities for FY 2022.

Emergency Planning

The District has 23 Business Continuity Plans (BCPs), 29 Site Security Emergency Action Plans (SSEAPs), and an Emergency Operations Plan (EOP), which includes Functional Annexes and Hazard Specific Response Plan Annexes to support emergency preparedness, response, and continuity. SSEAPs satisfy the regulatory requirements for an Emergency Response Plan and Fire Prevention Plan required by Cal/OSHA. These documents provide specific guidance for employees and work units to manage, mitigate and recover from emergencies that threaten the District's infrastructure, operations, employees, the public, and the environment.

Each BCP is updated every two years and exercised annually. In FY 2022, 14 BCPs were updated and all 23 were exercised. The EOP and SSEAPs are updated every five years, or as needed. During FY 2023, all 23 Business Continuity Plans will be exercised and nine will be updated. Exercises of plans will result in After Action Reports (AARs), which provide follow-up actions to improve preparedness. Five SSEAPs are due for updating in 2024 and an update of the EOP is due in 2025.

The FY 2022 Emergency Operations Team (EOT) exercise conducted in June 2022 was as a discussion-based workshop on the District's COVID response.

In FY 2023, the District's Local Hazard Mitigation Plan (LHMP) will be updated. The LHMP, updated every five years, reviews potential hazards and steps the District is taking to mitigate those hazards. The updated plan was presented to the Board on November 8, 2022 and is now under review by the California Office of Emergency Services. An updated LHMP is required to be eligible for certain federal funding.

The District is jointly planning for emergency water distribution following a major seismic event with cities in its service area, as well as Alameda County and Contra Costa County. A large magnitude earthquake will likely reduce operability of portions of the water distribution system for many weeks. While the District repairs pipelines, alternate supplies of potable water after such a disaster could be provided by a number of resources including vendor-supplied bottled water, federal or state government supplied bottled water, and/or establishment of emergency water distribution sites or Community Points of Distribution (C-POD) from hydrants. The District collaborated with Contra Costa County in 2022 to establish a framework for the District to assist local agencies with providing potable water at C-PODs via a hydrant manifold. Based on those plans, District staff will evaluate sites for providing water during an emergency. District staff will continue to reach out and work with other cities to establish similar plans.

Board of Directors to Confirm Standby Officers

Standby Officers were appointed by the Board at its January 24, 2023 meeting. Each Board member typically nominates up to three persons in specific order to serve when a Board Member is unavailable in an emergency. Standby Officers are appointed annually by the Board.

Mutual Aid Partnerships

The District continues to maintain a mutual aid agreement with Los Angeles Department of Water and Power (LADWP) and Las Vegas Valley Water District (LVVWD). On May 4, 2022, District EOT representatives met via video conference with LADWP and LVVWD counterparts to discuss LADWP's experience with different emergency management software. Each agency provided updates regarding critical communications and COVID emergency response actions during the meeting. Additionally, the District's mutual aid coordinators meet monthly via video conference with their LADWP and LVVWD counterparts.

Federal Regulatory Requirements

The District maintains an Emergency Action Plan for Federal Energy Regulatory Commission (FERC) project 2916, the Lower Mokelumne River Project. In compliance with FERC requirements, the District completed its annual Emergency Notification Drill on November 30, 2021. The District exercised FERC notification alerts to stakeholders downstream of the Lower Mokelumne dams using the District's standard emergency alert system. The annual drill strengthens coordination of FERC required emergency responses with the EOT, which would manage an actual event. Additionally, the District held a seminar with local emergency management agencies in the Project area on December 7, 2021, and emergency plan updates for FY 2022 were also completed.

Earthquake Preparedness

The Earthquake Mitigation and Response Plan is an annex to the EOP and provides a framework for preparation, mitigation, response, and recovery after an earthquake. The plan provides the EOT, Emergency Response Teams and other District staff with a clear summary of the pertinent mitigation measures, information, and actions when preparing, evaluating, responding to, and recovering from an earthquake. The plan was reviewed in FY 2022 and will be updated in FY 2023.

Public Safety Power Shutoffs

PG&E continued its Public Safety Power Shutoffs (PSPS) program in FY 2022 during high-wind and low humidity conditions. Power shutoffs can impact District facilities and be disruptive to operations. In response, the District developed and implemented a plan to prepare for PSPS outages to ensure there are no impacts to customer service. This includes proactive deployment of portable generators and pumps at critical pumping plants during the wildfire season.

In FY 2022, the District deployed 32 mobile generators (including pump-generator units) at pump stations in the high-risk wildfire areas of the service area. Additionally, the District purchased five portable generators to reduce long-term rental costs. Delivery of the units is

expected in FY 2023. PG&E initiated a PSPS event on September 18, 2021 and issued PPS Watch Alerts on October 8, 2021, and October 11, 2021, in the service area. No District PPS events were triggered.

COVID-19 Pandemic Response

The EOT was activated in March 2020 in response to the COVID-19 pandemic under a District emergency declaration and remained active throughout FY 2022. Early in the pandemic, the EOT actively managed shelter-in-place activities while ensuring continuous operation of critical District functions. During FY 2022, the EOT was responsible for developing and implementing various safe work practices (including development of employee testing, development of a COVID-19 employee case management team, a testing program, a vaccination policy, and regular meetings with the Unions), and monitoring potential supply chain disruptions. The COVID-19 management team includes two contractors which support contact tracing, case management and employee testing. The team also utilized up to 12 District staff during surges in employee cases. Emergency telecommuting remained active during FY 2022.

The EOT rotated many employees through the emergency activation periods giving both the primary and alternates experience in a real-world activation. The EOT gained valuable experience during this activation period and made improvements to the assembling and distribution of Incident Action plans, Situation Status reports, and employee communications.