



BOARD OF DIRECTORS
EAST BAY MUNICIPAL UTILITY DISTRICT

375 - 11th Street, Oakland, CA 94607

Office of the Secretary: (510) 287-0440

Notice of Time and Location Change

PLANNING COMMITTEE MEETING

Tuesday, December 14, 2021

8:45 a.m.

*****Virtual*****

Notice is hereby given that the Tuesday, December 14, 2021 Planning Committee Meeting of the Board of Directors has been rescheduled from 9:15 a.m. to 8:45 a.m.

In accordance with Government Code section 54953(e), **this meeting will be conducted by webinar and teleconference only.** A physical location will not be provided for this meeting.

Dated: December 9, 2021

A handwritten signature in blue ink that reads 'Rischa S. Cole'.

Rischa S. Cole
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, December 14, 2021
8:45 a.m.
Virtual**

Location

In accordance with Government Code section 54953(e), **this meeting will be conducted by webinar and teleconference only.** A physical location will not be provided for this meeting.

Committee Members: Marguerite Young {Chair}, Lesa R. McIntosh and Frank Mellon

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

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. DSRSD/EBMUD Recycled Water Authority (DERWA) Side Agreement | (Tognolini) |
| 2. Oakland Inner Harbor Pipeline Crossing Update | (Yoloye) |
| 3. Fiscal Year 2021 (FY21) 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.

Planning Committee Meeting
Tuesday, December 14, 2021
8:45 a.m.

EBMUD public Board meetings will be conducted via Zoom.
Board committee meetings are recorded, and live-streamed on the District's website.

Please visit this page beforehand to familiarize yourself with Zoom.
<https://support.zoom.us/hc/en-us/articles/201362193-Joining-a-Meeting>

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>

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.

If you wish to provide public comment please:

- 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
- The Secretary will call each speaker in the order received
- 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
- Each speaker is allotted 3 minutes to speak; the Committee Chair has the discretion to amend this time based on the number of speakers
- The Secretary will keep track of time and inform each speaker when his/her allotted time has concluded

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

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: December 9, 2021

MEMO TO: Board of Directors

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

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

SUBJECT: DSRSD/EBMUD Recycled Water Authority (DERWA) Side Agreement

SUMMARY

In 1995, EBMUD and the Dublin San Ramon Services District (DSRSD) formed the DSRSD-EBMUD Recycled Water Authority (DERWA) to provide recycled water to San Ramon, Dublin, and Pleasanton. EBMUD and DSRSD determined that a short-term Side Agreement would provide time to allow regulatory requirements to develop, focus on demand management, and plan for additional recycled water supplies before revising the DERWA joint powers agreement (JPA). Staff has developed draft key terms for the Side Agreement that will be presented at the December 14, 2021 Planning Committee meeting.

DISCUSSION

On June 28, 1995, EBMUD and DSRSD entered into a JPA to develop a recycled water program and established DERWA. EBMUD and DSRSD also entered into agreements with DERWA for the supply and sale of recycled water. Other agreements for operations, supplemental supplies, and services have been established in the last 25 years. In 2020, DERWA, EBMUD, and DSRSD desired to update the various agreements to address the actual working conditions of DERWA and address the issue of declining recycled water supplies. The proposed Side Agreement would have a three-year term (2022-2024) and would establish terms for several key issues that would be included in the updated JPA. Negotiations to update the JPA would begin in 2024.

Connection Moratorium

No new recycled water connections would be allowed during the term of the Side Agreement, except for the Crow Canyon Country Club (CCCC) golf course, which is consistent with the existing DERWA connection moratorium and is currently being connected.

Demand Management

EBMUD and DSRSD would implement demand management measures recommended by the DERWA Demand Management Working Group. Demand management measures may include messaging customers on water-wise practices, Advanced Metering Infrastructure on the largest recycled water users, leak identification, and irrigation scheduling.

Recycled Water Shortages

If necessary, EBMUD and DSRSD will reduce recycled water deliveries so the actual delivery to member agency customers equals the recycled water supply.

Charge for Secondary Effluent

The existing Supply Agreement allows DSRSD to establish a charge to DERWA for secondary effluent in 2023. The Side Agreement would defer the charge during the term of the Side Agreement, but it would not waive DSRSD's right to charge in the future.

Roles and Responsibilities for Pursuing Supplemental Supplies

DSRSD would commit to providing DERWA with recycled water supplies generated from within DSRSD's service area and would evaluate options to maximize existing supply through onsite storage and operational strategies. EBMUD and DSRSD would continue to pursue additional supplemental supplies but would not be obligated to pursue supplemental supplies on behalf of DERWA outside of their service areas.

Tri-Valley Joint Residential Fill Station

Pleasanton, Livermore, and DSRSD are evaluating jointly funding the development and implementation of a residential fill station at DSRSD's Gleason Property in Dublin. The fill station would open in 2022 if mandatory outdoor water restrictions are still in place for Tri-Valley. The fill station would not have supply impacts to DERWA customers and EBMUD customers in San Ramon and Danville would have access to the fill station. There would be no changes in cost allocations, except for the Livermore Amador Valley Water Management Agency disposal costs if DSRSD participates in the Joint Residential Fill Station.

JPA Membership

No new members will be added to DERWA during the Side Agreement.

Principles and Concepts for Future Negotiations

The Side Agreement would address the following concepts in future negotiations: reconciliation of capital costs contributions (including the value of secondary effluent) and potential modification of supply rights.

NEXT STEPS

Staff is coordinating with DSRSD and DERWA to prepare the Side Agreement. A completed Side Agreement will be brought to the respective agencies' Boards for consideration in March 2022.


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EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: December 9, 2021

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager 

FROM: Olujimi O. Yoloye, Director of Engineering and Construction 

SUBJECT: Oakland Inner Harbor Pipeline Crossing Update

SUMMARY

This memo provides an update on the Oakland Inner Harbor Pipeline Crossing (Project) including information on the final design, easement and permit negotiations, and construction schedule. The project will be presented at the December 14, 2021 Planning Committee meeting.

DISCUSSION

Water service to the City of Alameda (Alameda) is provided by four existing underwater pipeline crossings at three separate locations between the City of Oakland (Oakland) and Alameda and North Bay Farm Islands. Failure of any one of the existing crossing locations could lead to a significant reduction in the level of service for Alameda customers. The Alameda-North Bay Farm Island Crossing Master Plan (Master Plan) was completed in November 2014 and recommended three new underwater pipeline crossings and associated in-street pipeline connections (approach pipelines). The Environmental Impact Report (EIR) for the new pipeline crossings was approved under Board Resolution No. 35020-16. The three new underwater pipeline crossings will replace aging infrastructure, provide redundant water supply conveyance, ensure long-term reliability, and meet existing and projected future water supply needs. The Project is the first crossing identified in the Master Plan and EIR and will replace the existing Alice-Webster crossing installed in 1946 adjacent to the Posey Tube.

The Project includes the installation of approximately 3,000 feet of 32-inch, high-density polyethylene (HDPE) pipe under the Oakland Inner Harbor and approximately 10,400 feet of 24-inch steel approach pipelines within Alameda and Oakland streets (Figure 1). The existing Alice-Webster pipeline was installed in highly liquefiable soil and will likely fail during a large seismic event due to its age, unrestrained joints, and ground conditions. The new pipeline crossing will be installed in competent soil below the liquefiable soil layer at an average depth of 150 feet. Extensive geotechnical investigations, design calculations, and computer simulations were completed to ensure the new crossing and approach pipelines will remain in service after a seismic event.

The new pipeline crossing will be installed using horizontal directional drilling (HDD), a trenchless installation method that reduces environmental impacts to the surrounding area and is ideal for crossing water bodies. A borehole will be drilled large enough to fit the crossing pipeline and kept open with drilling fluid until the entire pipeline is pulled through the borehole. Drill rigs will be staged on the Alameda and Oakland sides of the crossing pipeline. The Oakland drill site is located at the end of Fallon Street and the Alameda drill site is located in a privately-owned parking lot at 1201 Marina Village Parkway. The Oakland approach pipelines will be installed in a commercial area and the Alameda approach pipelines will be installed in a commercial and residential area.

The project requires a number of permits (Table 1) and easements (Figure 2) from various cities, agencies, and private property owners. Extensive outreach was conducted with all parties to develop traffic control plans and street restoration design. The District has received approved encroachment permits from all entities except the San Francisco Bay Conservation and Development Commission (SFBCDC). This permit is pending because SFBCDC requires the submittal of the final design along with the final easement documents. The Project requires five easements from various property owners. The District has finalized easements with the Marina Village Parkway Offices and the Portobello Home Owners Association. The District is still negotiating easements with SRM Marina, the City of Alameda, and the Port of Oakland.

Table 1: Project Required Permits

Agency	Jurisdiction	Permit Status
Cal OSHA	HDD - Underground Classification	Approved
Caltrans	Highways – Encroachment Permit	Approved
City of Oakland	City Streets – Encroachment Permit	Approved
City of Alameda	City Streets – Encroachment Permit	Approved
SFBCDC	Shoreline – Permit	Pending
State Water Resource Control Board	Waterway – 401 Permit	Approved
U.S. Army Corps	Waterway – NWP 12 Permit	Approved
Union Pacific Railroad	Railroad – Crossing Agreement	Approved

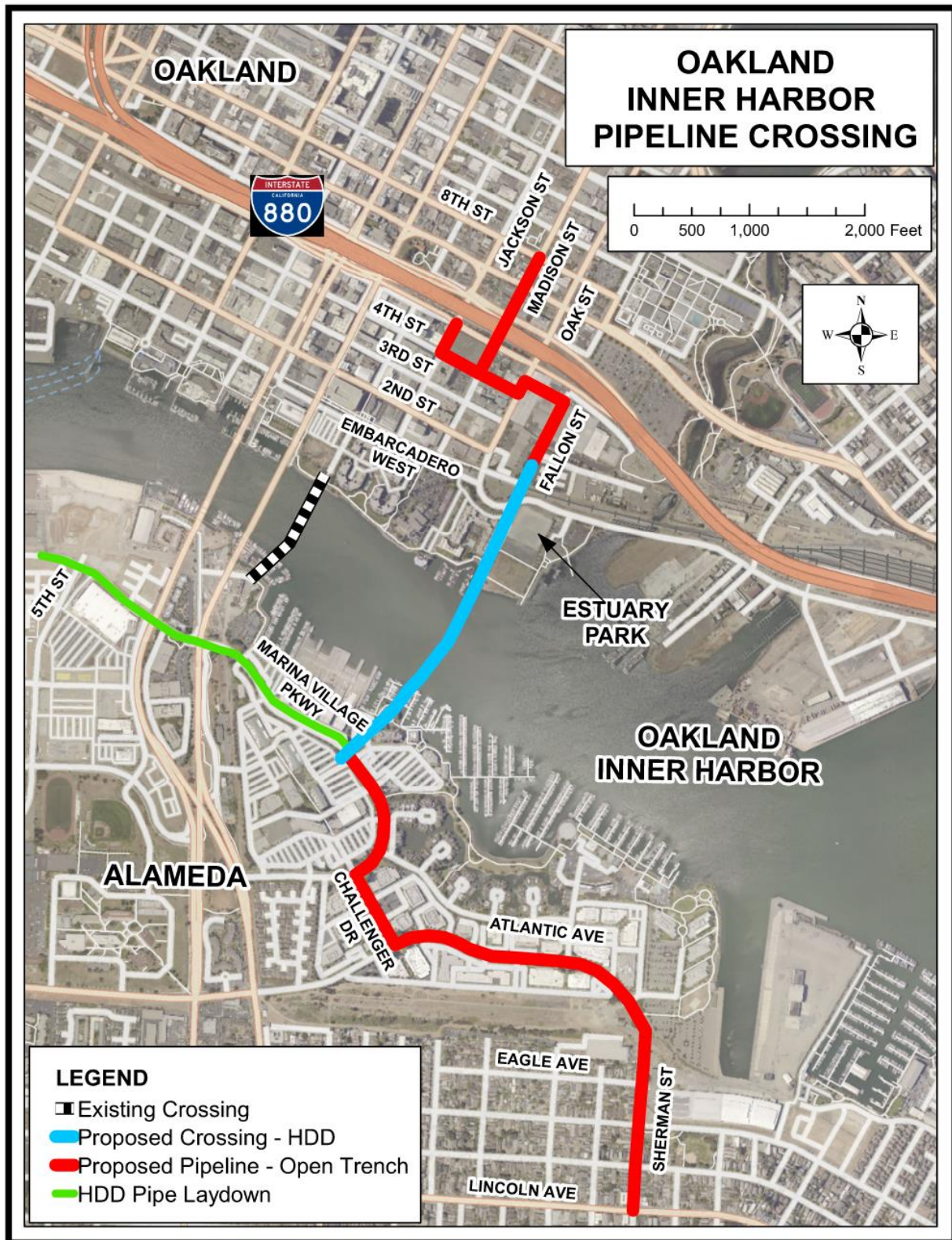
NEXT STEPS

The design will be completed in December 2021 and construction will begin in summer 2022 contingent on successful easement negotiations. The second pipeline crossing, which will replace the existing pipeline to Bay Farm Island, is currently being designed and is planned for construction in 2024.

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Attachments

Figure 1: Project Overview



EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: December 9, 2021

MEMO TO: Board of Directors

THROUGH: Clifford C. Chan, General Manager CCC

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

SUBJECT: Fiscal Year 2021 (FY21) 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 to minimize disruptions of critical business functions and enhance its capability to recover operations. This item will be presented at the December 14, 2021 Planning Committee meeting.

DISCUSSION

Several hazards, such as earthquakes, fires, power outages, pandemics, or cyberattacks, can impact the District's critical infrastructure or disrupt business functions. The Emergency Preparedness and Business Continuity Programs include preparing plans, conducting training and exercises, completing mitigation activities, and performing outreach to minimize the impact of these hazards. These programs are part of a continuous improvement process.

The District evaluates its Emergency Preparedness and Business Continuity Programs annually to determine readiness for emergency response. During FY21, many areas of emergency preparedness and business continuity continued to be reviewed and practiced while the District actively managed emergencies in other areas including the COVID-19 pandemic, Public Safety Power Shutoffs (PSPS) and drought. Attached is the District's FY21 Annual Readiness Report.

NEXT STEPS

In FY22, the District will review and update key plans and conduct tests, exercises, and training as outlined below:

- Continue the Emergency Operations Team (EOT) activation to manage the COVID-19 pandemic response
- Complete the update to the Earthquake Mitigation and Response Plan
- Continue conducting routine tests of satellite phones and emergency notification systems
- Conduct BCP exercises and the annual EOT exercise

CCC:DAB:sd

Attachment

FISCAL YEAR 2021 ANNUAL READINESS REPORT**Emergency Planning**

The District has 22 Business Continuity Plans (BCPs), 29 Site Security Emergency Action Plans (SSEAPs), and an Emergency Operations Plan (EOP) that includes Functional Appendices and Hazard Specific Response Plan Annexes to support an all-hazards approach to 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. The BCPs are updated every two years and exercised annually. In FY21, nine BCPs were updated and all 22 were exercised. The EOP and SSEAPs are updated every five years, or as needed. In FY21, 16 SSEAPs were updated.

Mutual Aid Partnerships

The District continues the mutual aid agreement with Los Angeles Department of Water and Power (LADWP) and Las Vegas Valley Water District (LVVWD). Observers from LADWP and LVVWD attended the District's October 22, 2020 EOT Exercise. Additionally, the District's Mutual Aid/Assistance Unit co-leads meet monthly via videoconference call with LADWP and LVVWD. On May 5, 2021, the District's Emergency Operations Team (EOT) met with LADWP, LVVWD, as well as Denver Water and Contra Costa Water District. The purpose of this meeting was to better understand the emergency response capabilities of each organization.

Federal Regulatory Requirements

The America's Water Infrastructure Act (AWIA) requires community water systems (CWS) serving more than 3,300 people to develop or update risk assessments and Emergency Response Plans (ERPs). CWSs must certify to the U.S. Environmental Protection Agency (USEPA) completion of the risk assessment and ERP updates. The District's risk assessment was submitted to the USEPA prior to the March 31, 2020, deadline and the update to the ERP was completed in September 2020 to meet the AWIA certification requirements. Both the risk assessment and ERP updates will be required again in 2025.

For Federal Energy Regulatory Commission (FERC) compliance, various exercises, trainings, and emergency plan updates were completed in FY21. The District integrated FERC notifications into its existing downstream stakeholder alerts. FERC required emergency response plans are coordinated with the EOT and in an actual event would be managed by the EOT.

Earthquake Preparedness

The Earthquake Mitigation and Response Plan is an annex to the EOP and provides a framework for identifying the potential vulnerability, preparation, response, and recovery from an earthquake. The plan's purpose is to provide the EOT, Emergency Response Teams and other District support staff with a clear summary of the mitigation measures, information, and actions that are pertinent when preparing, evaluating, responding, and recovering for an earthquake.

Substantial progress was made on updating this plan during FY21 to increase the District's readiness and response to a major earthquake disrupting the service area.

Public Safety Power Shutoffs

PG&E continued its Public Safety Power Shutoffs (PSPS) program as a wildfire prevention tool during high-wind events and dry conditions in FY21. The power shutoffs can impact District facilities and be disruptive to operations. In response, the District developed and implemented a mitigation plan to prepare for PSPS outages and to ensure no impacts to customer service. This includes proactive deployment of portable generators and pumps at critical pumping plants during the wildfire season.

In FY21, the District secured a long-term contract for additional backup generators to supplement its fleet of portable emergency equipment and began procurement for five new portable generators to reduce the reliance on rental units. District staff maintains communication with PG&E during the fire season to ensure advance notification of planned PSPS events that include the EBMUD service area and/or upcountry. During FY21, PG&E continued to replace equipment and address overgrown vegetation to reduce the size and severity of PSPS events affecting District facilities. The District was affected by two PSPS events in FY21. The first event on October 14, 2021 involved nine District facilities and required only one generator operation. The second event on October 25, 2021, involved 84 District facilities, and required twenty-one generators. No customers were impacted during these events.

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 FY21.

Early in the pandemic, the EOT actively managed shelter-in-place activities while ensuring continuous operation of critical District functions. During FY21, 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, and meetings with the Unions), and monitoring potential supply chain disruptions. The COVID-19 management team included two contractor agreements executed under the General Manager's emergency authority, and later ratified by the Board of Directors to support contact tracing and employee testing. The team also utilizes about 12 District staff working part and full time.

Safe work practices are derived from health orders, executive orders, regulations, law, and CDC guidance and continue to evolve during the pandemic. The EOT continuously updates these practices through the District's Required Safety Practice (RSP) 5800 – *COVID-19 Prevention*. This RSP and other documentation provides the basis for the District's safety practices that, along with training, minimizes workplace outbreaks and worker-to-worker transmission of COVID-19. Safety practices implemented included, for example, self-symptom checks prior to coming to work, social distancing, face coverings, contact tracing, quarantining of employees, COVID testing, creating the COVID-19 Hotline for case management, and issuing limits on employee gatherings.

The District quickly implemented telecommuting for hundreds of employees shortly after the pandemic began in March 2020. Full-time telecommuting for these workers remained active for all of FY21. Maintaining business continuity for 22 months while over 600 workers telecommute (about one third of the workforce) has been challenging but created an opportunity to develop alternative business practices.

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