



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

375 - 11th Street, Oakland, CA 94607

Office of the Secretary: (510) 287-0440

**AGENDA
EBMUD/EBRPD LIAISON COMMITTEE
Friday, September 13, 2019
9:00 AM
Redwood Canyon Golf Course – Rose Room
17007 Redwood Road
Castro Valley, CA 94546**

COMMITTEE MEMBERS: EBMUD: Andy Katz, Doug Linney, Frank Mellon (Alternate)
EBRPD: Dennis Waespi, Beverly Lane, Dee Rosario,
Ellen Corbett (Alternate)

ROLL CALL:

DISCUSSION:

1. Bayfair, Peralta, and South Pumping Plants Project Update (EBMUD)
2. Redwood Canyon Golf Course Reservoir Release Management and Coordination (EBMUD)
3. Integrated Pest Management Program Update (EBRPD/EBMUD)
4. Watershed Fuel Management (EBMUD)
5. Confirm Next Meeting

PUBLIC COMMENT: The committee 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.

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.

BAYFAIR, PERALTA, AND SOUTH PUMPING PLANTS PROJECT UPDATE
EBMUD
September 13, 2019

CURRENT STATUS

EBMUD's Bayfair, Peralta, and South Pumping Plants are distribution facilities located adjacent to Lake Chabot Regional Park and the West Shore Trail which is operated by the East Bay Regional Park District (EBRPD). To improve water service reliability and seismic resilience, EBMUD will demolish the Bayfair Pumping Plant and replace it at the same site, but west of the Hayward Fault zone. EBMUD will also replace a pipeline along Estudillo Avenue between MacArthur Boulevard and the Bayfair Pumping Plant. Peralta and South Pumping Plants will be demolished as they are no longer needed for operations. Demolition and construction are expected to take place between October 2019 and August 2021.

EBMUD met with EBRPD and City of San Leandro staff to discuss ways to minimize construction impacts to the public. Access to Lake Chabot Regional Park and the West Shore Trail will be maintained for the majority of the construction period, with the exception of two one-month closures of the Chabot Park Bridge to vehicular traffic (one scheduled in the winter of 2019/2020, and one in the winter of 2020/2021) to complete pipeline construction. Pedestrian entry will be permitted during the closures. EBMUD will continue to coordinate with EBRPD staff to ensure the public is aware of the temporary closures via proper signage and notifications.

NEXT STEPS

Pumping plant construction is expected to begin in October 2019. EBMUD will continue to work with EBRPD to provide public notification of the closures and update the City of San Leandro and the local community throughout the construction process.

ARC:XJI:es

**REDWOOD CANYON GOLF COURSE
RESERVOIR RELEASE MANAGEMENT AND COORDINATION
EBMUD
September 13, 2019**

CURRENT STATUS

The Redwood Canyon Golf Course (RCGC) at Lake Chabot is managed by Touchstone Golf LLC (Touchstone) through a 20-year concessionaire agreement with East Bay Regional Park District (EBRPD) executed in 2017. The property is leased to EBRPD from the East Bay Municipal Utility District (EBMUD) through a 25-year lease agreement executed in 2015. EBMUD operates Upper San Leandro Reservoir, which is upstream of the RCGC. Releases from the reservoir are conveyed through the RCGC via San Leandro Creek. Because of limited creek hydraulic capacity, releases during wet years may impact RCGC operations by creating standing water on adjacent fairways.

In 2012, EBRPD removed debris, brush and fallen trees from the creek between the golf course and Lake Chabot, with the intent of increasing flow capacity through the golf course and reducing flood risks. Channel maintenance is the responsibility of EBRPD pursuant to the lease agreement with EBMUD. At EBRPD expense, EBRPD is responsible for constructing storm water improvements, keeping natural water courses (including San Leandro Creek) free of debris and vegetation that obstruct the natural flow of water or cause undercutting or erosion of banks. Touchstone has also initiated various drainage improvements including silt removal and channelization earthwork.

Despite these efforts, creek capacity remains significantly lower than historical observations. Approximately 10 years ago, creek capacity below Upper San Leandro Reservoir was about 175 cubic feet per second (cfs). Recent field measurements confirmed the creek capacity is now approximately 70 cfs, a decline of about 60 percent.

Restored creek capacity is in each party's interest. In wetter years, releases from Upper San Leandro Reservoir may be significantly higher than 70 cfs, which can impact golf operations. The recent wet winters of 2017 and 2019 were especially challenging. Fortunately, close coordination between EBMUD, EBRPD, and Touchstone minimized the impacts.

NEXT STEPS

In 2017, EBRPD initiated the RCGC Storm Damage Repair Project (project) with grant funding from the Federal Emergency Management Agency (FEMA). The project will replace bridge crossings and restore channel capacity to 175 cfs by removing about 5,400 cubic yards of dredged material. The project is still in the design phase, and construction may not be completed until 2022. EBMUD will support this project and provide hydrology parameters as needed. In the interim, EBMUD will continue to appropriately coordinate water releases from Upper San Leandro Reservoir, with the understanding that wetter years could impact golf operations.

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INTEGRATED PEST MANAGEMENT PROGRAM UPDATE
EBRPD
September 13, 2019

CURRENT STATUS

On Tuesday, July 16, 2019, the East Bay Regional Park District Board of Directors unanimously approved an immediate ban on glyphosate use in picnic areas with full elimination in all developed park areas including parking lots, campgrounds, lawns, and paved trails by the end of 2020. The Park District does not use glyphosate near play areas or water fountains.

Glyphosate is currently used as part of the Park District's integrated pest management program for fire ignition prevention and vegetation maintenance around park structures, fences, walkways, parking areas, and in public right-of-way areas including roads, bike paths, and trails.

The Park District has taken large steps over the past two years to reduce glyphosate use and find alternatives. In 2016, the Park District updated its integrated pest management practices to focus on early intervention strategies and the use of organic products when possible as an alternative to glyphosate. Over the past two years, the Park District has reduced glyphosate use by 66% for park maintenance.

NEXT STEPS

The phasing out of glyphosate use for developed park areas is expected to take substantial financial resources which could impact the Park District's general fund and staffing levels. The Park District is undertaking a study of current glyphosate use and alternatives used by other governmental agencies. The Park District Board of Directors has asked staff to report back to the board with an assessment of staff and fiscal needs.

INTEGRATED PEST MANAGEMENT PROGRAM UPDATE
EBMUD
September 13, 2019

CURRENT STATUS

EBMUD's Integrated Pest Management (IPM) program addresses a broad range of pest control issues and strategies used on 57,000 acres of local and upcountry EBMUD watershed lands, rights-of-way, and operating and administrative facilities.

In 2017, EBMUD contracted with Blankinship and Associates (Blankinship) for a third-party review of the IPM program. Blankinship found EBMUD had a solid foundation in IPM principles, understood key concepts, and was implementing the existing program well. Several program enhancements were recommended. Throughout 2018 and 2019, EBMUD made significant progress to implement the recommendations; these are summarized below.

Training

In March 2019, EBMUD held its second annual IPM training for approximately 90 staff. Speakers at the three-day training included regulators, fire authorities, biologists, compliance specialists, research institutions, and other regional IPM program managers. Response to the training was overwhelmingly positive.

Records Management

Staff finalized decision documents for approximately 400 sites across EBMUD's service area, along the aqueducts, and for the East Bay and Upcountry watersheds. These documents describe management goals, identify pests and monitoring practices, identify specific sensitivities (e.g., endangered species or proximity to public trails), and evaluate cultural, physical, biological, and chemical controls. The data from these documents (e.g., strategies implemented, pesticides applied, effectiveness) will support regulatory reporting and additional analysis which will inform long-term decision making for the IPM program.

Communication with Experts and the Public

Internal communication has improved with the formation of a monthly IPM workgroup. In addition, an IPM supervisory group meets annually to ensure staff coordinates program activities. Public awareness has also advanced as EBMUD and other agencies implement IPM. Among other communication efforts, EBMUD clarified signage posted for spray events, developed brochures for field staff to share with the public, updated EBMUD's website, and hosted a series of public meetings in Stockton, Oakland, Walnut Creek, and Valley Springs.

Standardization for Decision and Activities

Staff plans to develop standard operating procedures (SOPs) for specific activities to ensure consistency across the organization. The SOPs will address topics such as: how and when decision documents are required, how to complete field activity sheets, and evaluation criteria to determine success/failure of a new IPM method. In addition, EBMUD hired an IPM consultant in November 2018 to support the standardization effort.

Other Activities

Pesticide use in the East Bay open watershed space has been eliminated, and no pesticides were used in those areas in 2018 and 2019. In February 2019, EBMUD's Board of Directors approved a \$183,000 contract to purchase a multi-terrain compact tractor mower to support weekly abatement and other landscaping work.

NEXT STEPS

EBMUD will continue to improve its IPM activities and work on the following in 2019:

- Continue incorporating recommendations from the Blankinship report and reviewing the IPM plan.
- Analyze data and evaluate updates to the IPM program document.

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WATERSHED FUEL MANAGEMENT
EBMUD
September 13, 2019

CURRENT STATUS

EBMUD maintains 6.4 miles and 150 acres of fuel break and 7.5 miles of disked fire break on its East Bay watershed lands. In addition, EBMUD is the major land owner of a planned 14-mile long, 1,515-acre fuel break along the northern watershed/urban interface of Orinda.

EBMUD watershed fuel breaks include various treatment strategies based on vegetation type, topography, and surrounding land use. Watershed fuel breaks are designed to improve biodiversity while reducing fuel load and fuel bed continuity. By removing down dead fuels, reducing the brush fuel loading in the understory, limbing up overstory canopy, and thinning out young trees, the threat of a high-intensity wildland fire is greatly reduced.

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North Orinda Fuel Break Page Grid Index Map

Scale: 1:22,000
 North Arrow
 0 0.5 1 2 3 Miles

