

MINUTES

Tuesday, October 20, 2020

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

Special Meeting

President Marguerite Young called to order the Special Meeting of the Board of Directors at 9:04 a.m. She announced that due to COVID-19 and in accordance with the most recent Alameda County Health Order, and with the Governor's Executive Order N-29-20 which suspends portions of the Brown Act, this meeting will be conducted remotely. In compliance with said orders, a physical location was not being provided for this meeting. The Board met in workshop session to receive a staff presentation on the facilities and infrastructure at the Main Wastewater Treatment Plant located at 2020 Wake Avenue in Oakland, California.

ROLL CALL

Directors Andy Katz, Doug Linney, Frank Mellon, William B. Patterson, and President Marguerite Young were present at roll call. Director John A. Coleman joined the meeting at 9:06 a.m. Director Lesa R. McIntosh was absent.

Staff participants included General Manager Clifford C. Chan, General Counsel Craig S. Spencer, Director of Wastewater Eileen M. White, Senior Civil Engineer Matthew R. Hoeft, Manager of Laboratory and Technical Services Yuyun Shang, Assistant Engineer James E. Hake, Special Assistant to the General Manager Kelly A. Zito, Assistant to the General Manager Janetta M. Johnson, and Secretary of the District Rischa S. Cole.

PUBLIC COMMENT

There was no public comment.

DISCUSSION

- Filed with the Board was a presentation entitled "Virtual Wastewater Tour and Workshop," dated October 20, 2020.

General Manager Clifford C. Chan introduced the workshop and said Board members participated in an in-person tour for the Water System in 2018; however due to the COVID-19 pandemic, staff was providing today's tour and workshop in a virtual format. Staff will review current and future challenges to the Wastewater System infrastructure and staff will follow up with a discussion on solutions and an overview of the Integrated Main Wastewater Treatment Plant (MWWTP) Master Plan at the November 10 Long-Term Infrastructure Investment Workshop.

Director of Wastewater Eileen M. White introduced the presenters and highlighted previous focus plans for the MWWTP from 1990-2019 and the drivers for the Integrated MWWTP Master Plan including aging infrastructure, seismic vulnerability, more stringent regulations, climate change, capacity considerations, and competing priorities.

Assistant Engineer James E. Hake presented an overview of the history of the District's treatment of wastewater; the evolution of the wastewater treatment process from preliminary treatment to discharge; impacts to wastewater infrastructure and facilities, like corrosion, from the various treatment processes and contaminants; and challenges maintaining the infrastructure and facilities.

Senior Civil Engineer Matthew R. Hoeft presented an overview of the secondary treatment process including disinfection, dechlorination and discharge. He reviewed the evolution of the District's dechlorination processes; impacts to wastewater infrastructure and facilities resulting from the disinfection process; and potential impacts to the District's dechlorination facilities near the San Francisco Bay from projected sea level rise.

Manager of Laboratory and Technical Services Yuyun Shang highlighted the facilities used to process and treat biosolids and solids i.e., primary sludge, secondary sludge, and high-strength waste such as fats, oils and grease and solid liquid waste; impacts to infrastructure and facilities used in the treatment process; and how formation of struvite from various processes impact many types of infrastructure across multiple treatment processes. She discussed the District's Resource Recovery (R2) Program and its positive and negative impacts to the wastewater treatment process; the current levels of nitrogen in the District's treated wastewater from the R2 Program and plans to address the levels of nitrogen discharged to the San Francisco Bay. Ms. Shang reviewed requirements in Senate Bill 1383 on biosolids and their impacts to current and future costs for biosolids management.

Senior Civil Engineer Matthew R. Hoeft reviewed the facilities and processes used to generate electricity at the MWWTP; conditions at the Power Generation Station; the state of electrical equipment at the plant, as well as challenges procuring replacement parts for outdated and/or obsolete equipment and systems. In conclusion, he discussed current and planned work to address seismic risks for MWWTP facilities that are occupied by staff.

Director of Wastewater Eileen M. White closed out with an outline of key takeaways and highlighted some of the topics staff would present at the November 10 Long-Term Infrastructure Investment Workshop.

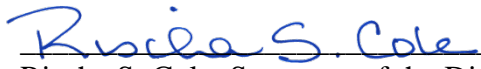
The Board thanked staff and noted the tour was an informative precursor to the November 10 workshop. Staff responded to Board questions on whether the level of disposable wipe debris at the MWWTP changed after the counties' shelter-in-place orders due to the COVID-19 pandemic went into effect; the type of metal used on the mechanisms in the aerated grit tanks; the life expectancy of the concrete for facilities used in the disinfection, dechlorination and discharge processes; whether onsite organic food waste separation could reduce biosolids; potential to dedicate a digester for food compost; revenue-generating ideas to fund facility upgrades; and the methodology for developing Wastewater System rates.

- Addressing the Board was Kelly Hammargren who asked if the presentation would be available online and said she looked forward to additional discussion regarding sea level rise at the November 10 Long-Term Infrastructure Investment Workshop.

ADJOURNMENT

President Young adjourned the Special Meeting at 10:40 a.m.

SUBMITTED BY:



Rischa S. Cole, Secretary of the District

APPROVED: November 10, 2020



Marguerite Young, President of the Board