



Board of Directors Meeting

San Mateo County Flood and Sea Level Rise Resiliency District

AGENDA

October 25, 2021

4:00 PM

- 1. Roll Call**
- 2. Public Comment** Persons wishing to address the Board on District-related matters not on this Agenda may speak for up to two minutes; comments on Agenda items shall be heard during that item for up to two minutes.
- 3. Action to Set the Agenda and Approve the Consent Agenda**
 - A. Approve the Minutes of the August 23, 2021 District Board Meeting
 - B. Adopt Resolution 2021-10-25 to continue conducting meetings of the Board of Directors remotely due to public health concerns caused by the COVID-19 pandemic
- 4. Regular Business**
 - A. Authorize the CEO to execute a grant agreement with San Mateo County for \$1,000,000 through June 30, 2023
 - B. Update regarding planning and zoning of cities along San Francisco Bay to build resilience to future conditions brought by climate change
- 5. Chair's Report ***
- 6. CEO's Report ***

Updates regarding Bayfront Canal and Atherton Channel Project, District recruitment for a Project Manager, and outreach, including the conclusion of Climate Risk and Resilience Forums with the League of Women Voters
- 7. Board Member Reports and Items for a Future Agenda ***
- 8. Adjournment**

Agenda item 4 A

Authorize the CEO to execute a grant agreement with San Mateo County for \$1,000,000 through June 30, 2023

District would receive:

- \$100,000 upon execution of the agreement (expected November 9, 2021)
- \$300,000 after 6 months (in May 2022) for the District to have:
 1. Completed construction of the Bayfront Canal and Atherton Channel Project
 2. Hired consultants to conduct:
 - Design & CEQA on at least 1 multi-jurisdictional project to protect Bayside communities from SLR
 - A study of long-term solutions to reduce SLR and erosion impacts facing 3 miles of Pacific Coast including unincorporated Princeton, state & federal assets, Pillar Point Harbor, and Surfers Beach

Agenda Item 4A CONTINUED: District would receive:

\$300,000 after 12 months (in November 2022) for the District to have:

- 1. Installed and upgraded Bayside stream monitoring stations; installed stream condition monitoring webcam(s); and completed the flood early warning web portal.**
- 2. Completed the study to mitigate long-term impacts of erosion and SLR facing 3 miles of Pacific Coast**

\$300,000 after 18 months (in May 2023) for the District to have:

- 1. Maintained the Bayfront Canal & Atherton Channel Project according to regulatory permits**
- 2. Completed Emergency Action Plans in the Colma and San Bruno Creek Watersheds, Belmont Creek Watershed, and Bayfront Canal and Atherton Channel area**
- 3. Expanded stream monitoring network to the south coast area**
- 4. Made measurable progress toward design for at least one multijurisdictional Bayside shoreline project.**

County Measure K funds will support District operating expenses, including salaries, benefits, rent, and IT. District may use up to \$50,000 of the \$1 million for the Coastside resilience study described above.

Agenda item 4 B

Update regarding planning and zoning of cities along San Francisco Bay to build resilience to future conditions brought by climate change

New infrastructure and development is expected to function for decades, during which time the impacts of climate change and sea level rise will grow substantially. Thus, these projects should be designed to function under future conditions based on the best available science and best practices of other areas working to achieve this objective.

This means new public and private infrastructure and development:

- Should be set back from shorelines and creeks to accommodate protection infrastructure, including nature-based protection and waterfront public trails**
- Should be planned to incorporate protection infrastructure designed by the District and cities – variances can be made as long as the protection, ecosystem, and trail objectives can be met**
- Should plan for and build protection infrastructure now, rather than be retrofit for it later**
- Should be elevated above current FEMA floodplain**

Agenda Item 4B CONTINUED

Since early July, the District has been working with the City of Burlingame to make it the first city in the Bay Area to incorporate requirements to achieve a SLR protection objective into its zoning ordinance.

The City's draft ordinance to incorporate sea level rise includes the following key elements:

A Map of Future Conditions adopted by the City Council (and may be updated) describes elevation requirements for new development in areas impacted by a sea level 6 feet above today's FEMA Special Flood Hazard Area (100-year elevation), which is approximately 10 feet above high tide. Within the Map's SLR overlay in yellow:

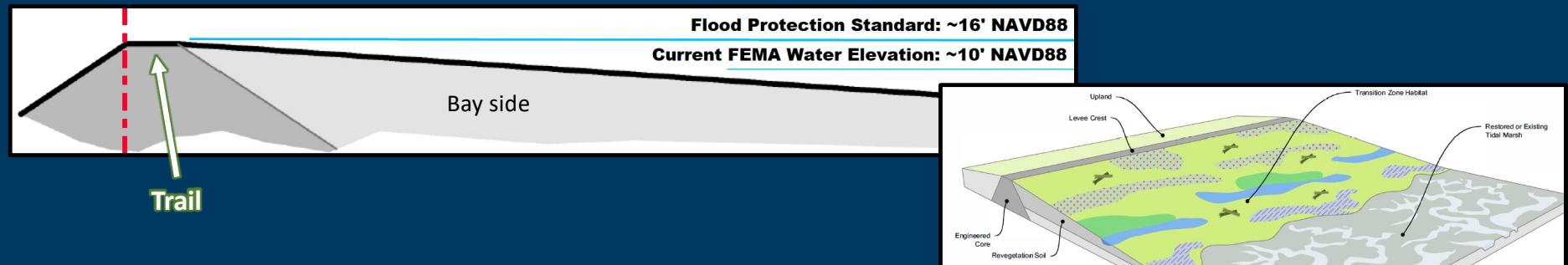
- New construction on waterfront properties include shoreline infrastructure with trail to protect against that water level at the property.
- The minimum first floor elevations of new buildings are 3 feet above FEMA's base flood elevation at the building site.



Agenda Item 4B CONTINUED

Also within the Map of Future Conditions SLR overlay:

- New development on waterfront properties includes a minimum buffer zone of 100 feet from the Bay shoreline and 35 feet from the top of creek bank to accommodate shoreline protection infrastructure, including nature-based protection and waterfront public trails. Encroachments may be accommodated within the buffer zones as the protection, ecosystem, and trail objectives can be met.



- All onsite stormwater drainage shall be retained on site, sufficient to keep the first 1.25 inches of rainwater from an individual event on site unless a regional stormwater system is available.
- A seller of real estate impacted by SLR shall disclose all associated hazards, among other hazards.

The District has also begun discussions with other cities along the Bay regarding updates to their General Plans, Specific Plans, and/or zoning ordinances. This one of the most important impacts the District will have on the long-term resilience of this county, and perhaps the wider Bay Area.

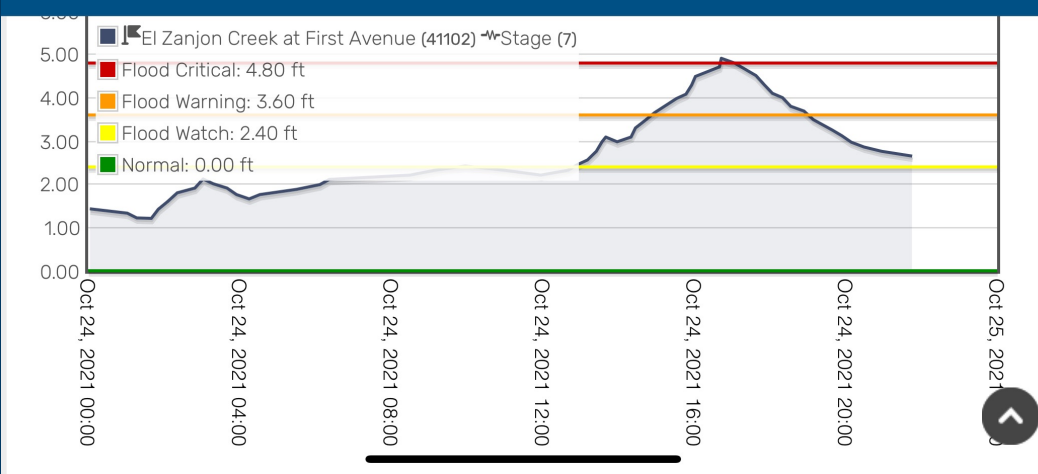
Stanford Fall 2021 Public Policy Practicum

- A Stanford Public Policy Practicum class is developing a regulatory incentive framework to incorporate sea level rise considerations into new Bayfront development in San Mateo County.
- Key project components include:
 - Research on case studies throughout the United States
 - Norfolk, VA
 - Rhode Island
 - Broward County, FL
 - Kauai, HI
 - New York City, NY
 - Final deliverable: Template text for planning documents and zoning ordinances of cities in San Mateo County, and descriptions of case studies

Agenda item 6 - CEO's Report

The Oct. 24 storm

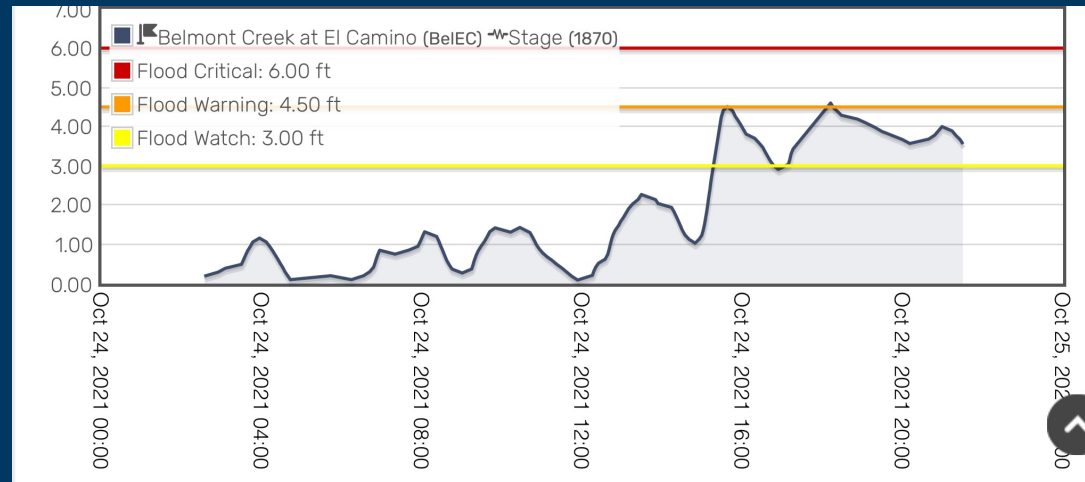
San Bruno



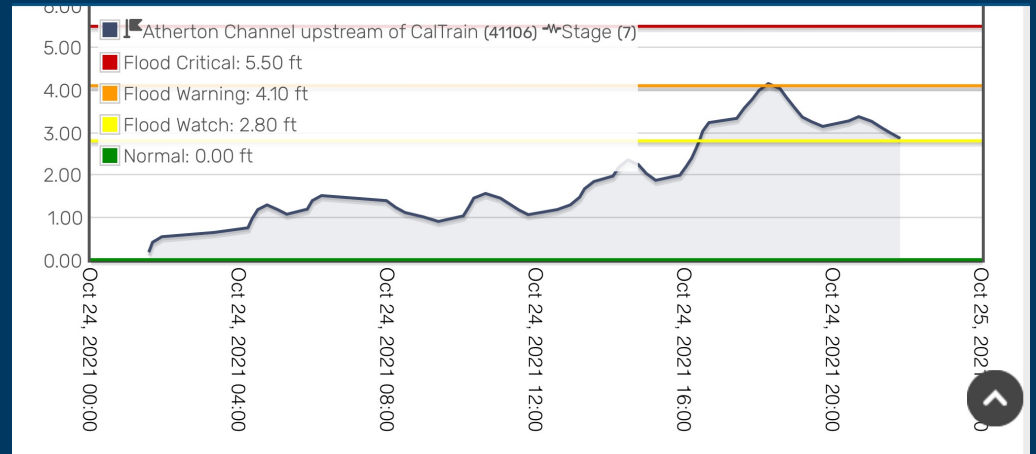
Agenda item 6 - CEO's Report

The Oct. 24 storm

Belmont Creek



Bayfront Canal and Atherton Channel



Agenda item 6 - CEO's Report

- **District recruitment for a Project Manager**
- **Outreach, including the conclusion of Climate Risk and Resilience Forums with the League of Women Voters**
 - **Upcoming outreach: Millbrae CC, RWC CC, County Board of Supervisors, C/CAG Board**



Next Scheduled Board meeting

November 15, 2021 at 4:00 pm

OneShoreline
Building Solutions for a Changing Climate