

C/CAG Stormwater Committee

San Mateo County Flood and Sea Level Rise Resiliency District

Len Materman, CEO

October 21, 2021

OneShoreline
Building Solutions for a Changing Climate

With many cities along the Bay and few on the Pacific coast, the County and cities were not well-positioned to address this transformative challenge



Resilience to climate change's impacts requires an urgent, holistic approach to:

- **GEOGRAPHY** – align and connect protection for neighboring jurisdictions
- **THREATS** – more extreme storms and substantial sea level rise
- **OBJECTIVES** – reduce threats; turn waterways & shorelines from liabilities into assets integrated into communities; utilize green infrastructure and public and private lands

Pacifica

Colma Creek
Navigable Slough
San Bruno Creek

SamTrans facility
and SSF shoreline

SFO

US 101

Burlingame
& Millbrae

Countywide
Flood Early Warning System

2021-22 Projects with OneShoreline as a
Lead / Partner / Potential Partner
connecting to a **Project by Others**

The District has become involved in new projects that:

- Build long-term resilience to climate-driven water-related impacts
- Involve, benefit, and have the support of multiple jurisdictions
- Have a clear role for the new District where we add value
- Have opportunities for multiple benefits

Pillar Point Harbor
Princeton Shoreline
Mavericks & Surfers Beaches

Belmont Creek
in Twin Pines Park

Foster City

Redwood Shores

US 101

Cargill

Bayfront Canal &
Atherton Channel

Through State legislation (AB 825 in 2019), the District was established January 1, 2020 with start up funding from the County and all 20 cities within it.

FY2021-22 priorities include:

- Complete our first construction project – a long-planned effort to protect 5 mobile home parks from frequent flooding from the Bayfront Canal and Atherton Channel**
- Advance new multi-jurisdictional projects that connect and align substantial protection for neighboring jurisdictions, and projects in 3 long-standing flood zones**
- Work with cities and developers so that private property and public infrastructure is planned in the context of future climate conditions and regional protection efforts**
- Develop a source of long-term, stable funding for climate resilience work**

Draft 2021 Countywide Local Hazard Mitigation Plan

Regarding Stormwater

The County’s 2018 proposal for the creation of the District and the May 2019 C/CAG recruitment of District Board members stated:

The District’s mission and role would be to address sea level rise, flooding, coastal erosion, and large-scale stormwater infrastructure improvements through integrated regional planning, design, permitting, project implementation, and long-term operations and maintenance to create a resilient “one shoreline” San Mateo County by 2100.

The District will consider supporting multi-benefit regional stormwater capture facilities and protect areas that frequently flood against future conditions, particularly when our flood zones and multiple jurisdictions are involved.

Action FSLR-10 — Support green infrastructure projects that enhance resiliency to natural disasters and incorporate green design elements into hazard mitigation projects where feasible.						
<u>Hazards Mitigated:</u> Climate Change/Sea Level Rise, Landslide, Flood, Severe Weather, Drought						
New & Existing	2,6,7,8,14	County, C/CAG ^b	FSLRRD, All municipalities, San Mateo Resource Conservation District	Medium	Tax-Funded Flood Zones, Property/Vehicle Fees, Stormwater Fees, State Grants (Caltrans, CA DWR), Federal Grants (EPA), City Capital Project Funding	Ongoing
Action FSLR-11 — Advance multi-benefit regional stormwater capture projects in the County through a regionally collaborative approach.						
<u>Hazards Mitigated:</u> Climate Change/Sea Level Rise, Landslide, Flood, Severe Weather, Drought						
New & Existing	2,4,6,7,8,14	FSLRRD, C/CAG ^b	County, All municipalities	Medium	Tax-Funded Flood Zones, Property/Vehicle Fees, Stormwater Fees, State Grants (Caltrans, CA DWR), Federal Grants (EPA), City Capital Project Funding	Ongoing
Action FSLR-12 — Improve stormwater drainage to alleviate repeated localized flooding, especially storm drain systems connected to FSLRRD Flood Zone channels and infrastructure.						
<u>Hazards Mitigated:</u> Climate Change/Sea Level Rise, Flood, Severe Weather						
New & Existing	1,2,4,6,7,8	FSLRRD	All municipalities, County	Medium	Tax-Funded Flood Zones, Property/Vehicle Fees, Stormwater Fees, State Grants (Caltrans, CA DWR), Federal Grants (EPA), City Capital Project Funding	Ongoing