### **Funding**



Amy Hutzel
California Coastal
Conservancy



**Brad Benson**Port of San Francisco



Nuin-Tara Key
Governor's Office of Planning
& Research



Coral Abbott
California Strategic
Growth Council

### Moderator



Dilip Trivedi
Vice President and Coastal Engineer, Moffatt & Nichol



Amy Hutzel
Executive Officer, State Coastal Conservancy

### **State Coastal Conservancy Funding**

#### FY 21/22 Budget

- \$14m Explore the Coast
- \$24m Prop 68
- \$10m Wildfire Prevention

#### Governor's FY 22/23 Budget

- \$350m Coastal Resilience
- \$10m Wildfire Prevention
- \$19.8m Prop 68

#### Anticipated in FY 23/24 Budget

• \$150m - Coastal Resilience

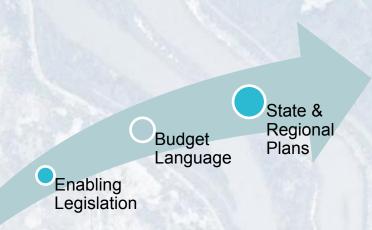


## Coastal Resilience Projects (\$500 M)

Projects along the coast, including coastal wetlands and watersheds, beaches, dunes, bluffs, bays, fisheries, and other wildlife, and projects that build resilience for coastal communities, public access, and critical infrastructure.

- Protect, restore, and increase the resilience of coastal and ocean ecosystems and coastal watersheds
- Address sea level rise, flood management, and wetland restoration
- Remove outdated dams and upgrade downstream infrastructure to increase climate resilience, enhance natural habitat transport, or improve wildlife and fish passage
- Nonmotorized trails of statewide significance
- Restoration of coastal land for public uses on surplus land for formerly fossil-fueled powerplants
- Low-interest loans to local jurisdictions to purchase properties, expected to be at risk to sea level rise. (Legislation Pending)

## **Priority Projects:**



Conservancy Guidance (JEDI Guidance & Project Selection Criteria)

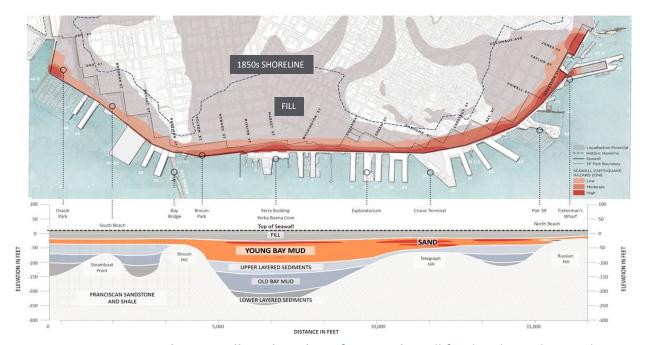
- Nature-based climate adaptation
- Sea Level Rise Adaptation
- Wildfire Resilience
- Projects that benefit under-resourced communities
- Projects that can serve as models
- Projects that move needle on coastal resilience
- Implementation of long-term plans



Brad Benson
Waterfront Resilience Program Director, Port of Oakland

# SEISMIC RISK TO THE EMBARCADERO SEAWALL AND FILLED LANDS

- Built 1878 to 1915
- · Rock dike & bulkhead
- 3 miles long
- 500 acres of filled land
- 126 acres pier & wharves remaining today











#### **PORTWIDE ADAPTATION STRATEGIES**

+ Growth

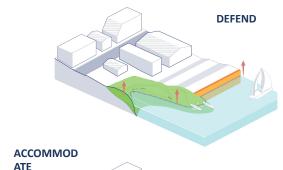
Preservation

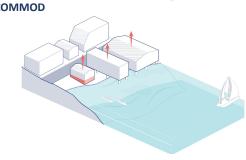
**Future floodplain:** 40+ miles of road, 13,500 residents (58% people of color), wastewater system serving 580,000 residents, 360,000 regional commuters, 25+ miles of MUNI track

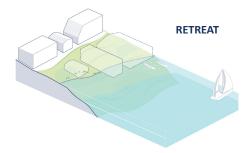


SF's varied shoreline will likely require a hybrid of strategies to defend, accommodate and retreat →

Depending on current elevation and the selected SLR Curve, we are considering raising the existing shoreline between 2' to 10'. Larger moves are expected in 2030 or later.









Infrastructure

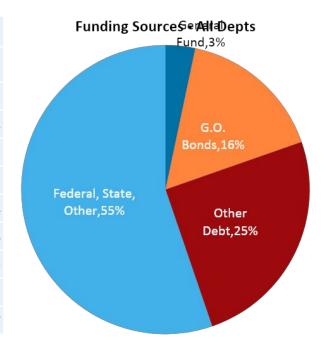
Ecology +

Open Space

Community Health + Safety

# City and County of SF 10 Year Capital Plan Funding Overview FY22-31 - \$38 billion through 2031

Summary by Service Area FY 22-31								
(in \$ millions – all sources)	GENERAL FUND DEPTS	ENTERPRISE DEPTS	EXTERNAL AGENCIES	TOTAL				
Affordable Housing	-	-	2,622	2,622				
Public Safety	1,268	-	-	1,268				
Health and Human Services	832	-	-	832				
Infrastructure & Streets	1,486	9,066	-	10,553				
Recreation, Culture, and Education	861	-	3,113	3,974				
Economic & Neighborhood Development	-	2,465	3,151	5,616				
Transportation	-	6,230	6,689	12,919				
General Government	162	-	-	162				
TOTAL	4,609	17,761	15,576	37,947				



The 10-Year Capital Plan has helped build confidence:

- \$6 billion in GO Bond voter approvals since 2008
- \$2 billion in the last two years



#### **FUNDING AND FINANCE**

Northern Waterfront Estimated Need \$3-5 Billion (2016); Southern Waterfront TBD\*

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#### **Current Strategies**

- \$425 million Seawall Earthquake Safety Bond (2018) – 83% yes
- SF GO Resilience Bond \$130 million (2026)
- 2022 Senate Proposal \$3.4 billion SLR – Urban Waterfronts, Ports, Public Infrastructure, and Ecosystem Protection, SB1, etc.
- Public-private partnerships
  - Tax increment financing, CFDs
- Grants
  - FEMA BRIC & Hazard Mitigation
  - DOT RAISE

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#### **USACE Flood Study**

- · Hazard focus: coastal flooding
- Upper limit: benefit cost ratio, potential for billions in funding, subject to 1/3 local match (or greater)
- WRDA 2020 seismic equity
- Limitations
  - Stormwater management
  - Combined sewer system
  - Transit infrastructure
  - Tidal flooding
  - Public benefits

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#### **Brainstorm**

- Federal Grant Programs
  - Benefit Cost Analysis reform; 7% discount rate
  - Larger planning grants
  - Agencies recommend larger projects for Congressional appropriation?
  - Approval of programmatic BCA; applies to multiple agencies?
  - More pre-calculated benefits
- Agency coordination to achieve multiple Federal interests
- Federal resilience tax credit to encourage private investment in coastal flood protection & voluntarily relocate out of the floodplain?



\*Cost estimates under development

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Nuin-Tara Key

Deputy Director for Climate Resilience, California Office of Planning and Research (OPR)



Nuin-Tara Key, Deputy Director, Climate Resilience CA Governor's Office of Planning and Research





Accelerating
Collective Action:
State Climate
Adaptation Strategy

Driving an Integrated Climate Agenda

Committing to Equitable Adaptation Outcomes

### California Climate Adaptation Strategy

**Six Climate Resilience Priorities** 

**Nearly 150 key climate adaptation actions** 

**Timebound success metrics** 

Available and updated on an interactive website

ClimateResilience.ca.gov

# Climate Resilience Priorities



Strengthen Protections for Climate Vulnerable Communities



Bolster Public Health and Safety to Protect Against Increasing Climate Risks



**Build a Climate Resilient Economy** 



Accelerate Nature-Based Climate Solutions and Strengthen Climate Resilience of Natural Systems



Make Decisions Based on Best Available Climate Science



Partner and Collaborate to Leverage Resources

## FY21-22 Climate Resilience Package

#### **Community Resilience**

ENTITY	PROGRAM	2021-2022	2022-2023	2023-2024	TOTAL
Strategic Growth Council	Transformative Climate Communities	\$115	\$165	\$140	\$420
	Regional Climate Collaboratives	\$10	\$10	\$0	\$20
Office of Planning and Research	Climate Adaptation Planning Grants	\$10	\$10	\$5	\$25
	Climate Services	\$5	\$0	\$0	\$5
	Regional Climate Resilience Planning and Implementation	\$25	\$125	\$100	\$250
Various	Conservancy Funding	\$60	\$0	\$0	\$60
Cal Volunteers	California Climate Action Corps	\$5	\$5	\$5	\$14
California Environmental Protection Agency	Environmental Justice Initiative	\$10	\$10	\$5	\$25
Various	CA Fifth Climate Change Assessment	\$22	\$0	\$0	\$22





Coral Abbott

Director of Community Resilience Centers, California
Strategic Growth Council

### **California Strategic Growth Council**

Bay Planning Coalition Spring Summit 5.13.2022







**How We Work: Our Approach** 

Five key themes guide SGC's investments, programs, and initiatives:







**Community Resilience Centers (CRC)** 

Funds neighborhood scale resilience centers that support community needs through provision of shelter during emergency and services during non-emergency times to build and maintain community resilience

- Prioritizing most vulnerable communities
- Focus on existing community centers (libraries, clinics, schools, etc)
- Building physical and social infrastructure to support resilience
- Application: early 2023





#### **Community Assistance for Climate Equity (CACE)**

### **Regional Climate Collaboratives**

Assists under-resourced communities within a region to access statewide public and other grants

- Build relationships, identify community priorities, and develop plans, policies, and projects
- Act as a local TA provider that can translate funding program requirements & frame within local context
- Center community voices and build shared decision-making power
- Round 1: \$8.35M pre-proposals due July 15











Affordable Housing and Sustainable Communities (AHSC)

Integrates affordable housing and sustainable transportation to make sure housing, jobs, and key destinations are accessible by walking, biking, and transit.

AHSC HAS AWARDED —

\$1,655,972,480

THROUGH 5 ROUNDS OF FUNDING







# **Sustainable Agriculture Lands Conservation (SALC)**

Supports agricultural conservation, economic growth, and sustainable development to protect agricultural lands on the outskirts of cities and near residential neighborhoods from development.

**Total Investments: \$232.9 million** 

2019-20: \$56.8 million through 37 projects













# **Transformative Climate Communities (TCC)**

**Community-led transformation** to enable the California communities most impacted by pollution to choose their own goals, strategies and projects to reduce greenhouse gas emissions and local air pollution.

**Total Investments: \$229.2 million** 









### **Coral Abbott**

Community Resilience Centers Program Manager coral.abbott@sgc.ca.gov

