



IMPLEMENTATION COORDINATING GROUP

Meeting #2
December 8, 2023



AGENDA

- 10 | Welcome and Reports
 - 30 | Presentation and Discussion: ICG's Role, Purpose and Priorities
 - 10 | Review: ICG Community Principles
 - 60 | Accelerating Impact on a Regional Policy, Funding and Governance Framework
 - 10 | Wrap up and Next Steps
-

MEETING OUTCOMES

- Affirm ICG's role, purpose, priorities and community principles
- Make recommendations to regional agency staff on sea level rise policy, funding and governance
- Continue strengthening trust, goodwill, and mutual accountability in the ICG community



**CHAIR WELCOME AND RSAP
ADVISORY GROUP REPORT OUT**

ICG'S ROLE, PURPOSE, AND PRIORITIES

WHAT DID WE HEAR?

- This group wants to dig into something important
- This group is comprised of important leadership that can do big things and has lots of influence
- You identified some critical tasks that are hard and can only be done at this high level (list these tasks)
- You are all enthusiastic and feel positive about who's in the group and you're all eager to make an impact
- You want to learn from each other
- You want clarity on exactly how you can help

BCDC Commission

**BCDC Rising
Sea Level
Working Group**

**Local Electeds
Regional
Task Force**

Elected Level

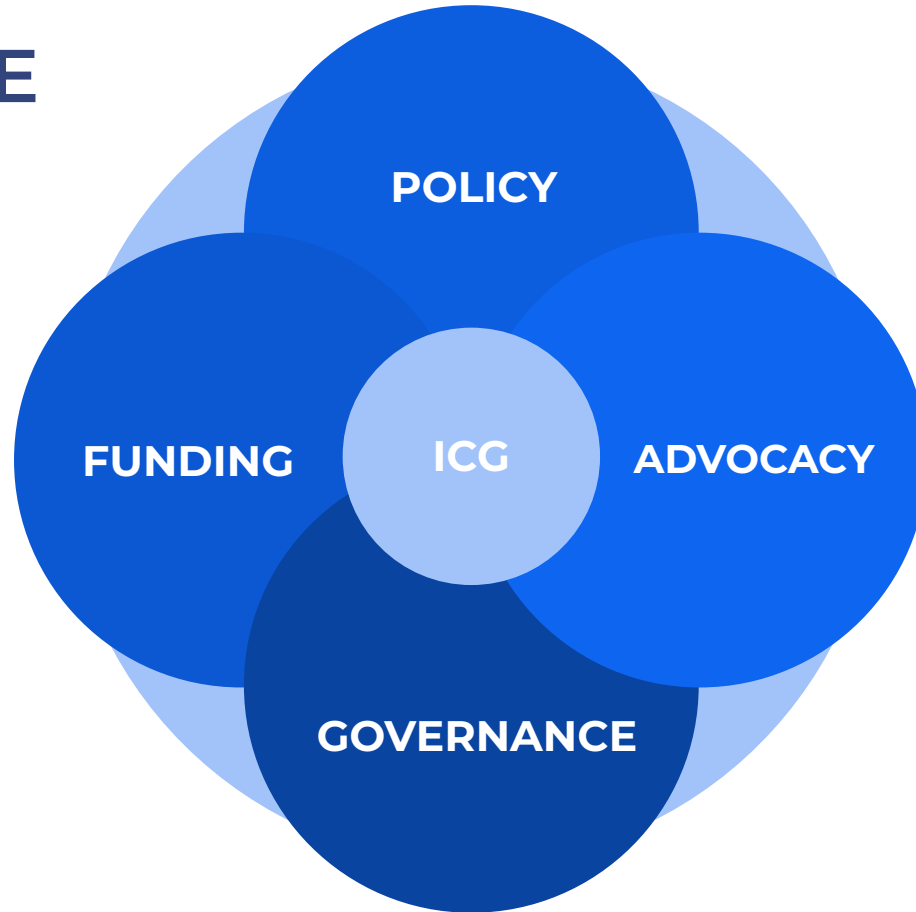
**Bay Adapt
Implementation
Coordinating
Group**

Leadership Level

**Regional
Shoreline
Adaptation Plan
Advisory Group**

Expertise Level

ICG SPHERE OF ACTION



ICG UPDATED PURPOSE

The purpose of the Implementation Coordinating Group is to help advance implementation of the Bay Adapt Joint Platform through the **confirmation and advancement of priorities and making recommendations that lead to action and transformative solutions.**

JOINT PLATFORM IMPLEMENTATION TRACKING & PRIORITIZATION

COMPONENTS OF TRACKING

Tasks (red= 2024 priority)		Status	Lead	Participate	Advise	Key Projects	Other Progress (contributions of ICG members and other relevant stakeholders)
Task 1.1	Create a long-term regional vision rooted in communities, bay habitats, and the economy.	Underway	BCDC, local Jurisdictions, CBOs	UTC/ABAG, SFEP, Contra, SFEL	R/WQCB, SOC, BARC, BayCAN, CHARG	Regional Shoreline Adaptation Plan Estuary Blueprint Plan Bay Area 2050	<ol style="list-style-type: none"> 1. Bay Adapt Regional Shoreline Adaptation Plan will have final vision statements prepared in early 2024. This will set an adaptation-specific vision for the region plus vision statements for various topic areas. 2. Estuary Blueprint, published in 2022, sets goals for the SF estuary 3. Plan Bay Area 2050, published in 2021 and currently in the middle of a strategic update, sets a regional goal for GHG reduction via land use and transportation strategies. Also includes housing affordability, strong
Task 1.2	Lay the foundation for a protective regional legislative agenda.	Not started	BARC, SIB, SFEL	BCDC, UTC/ABAG, SFEP, Local Jurisdictions, BayCAN, SFEL, CHARG, Estuary Advocacy, EJ		Legislative Working Group	<ol style="list-style-type: none"> 1. Sierra Club educating public about risks. 2. Save the Bay SLR and Flood strategy. 3. Advocacy by Citizens to complete the refuge, Baykeeper, Greenbelt Alliance.
Task 2.1	Improve how communities and public agencies learn from each other and work together.	Launching	R/WQCB, BayCAN, North RN, WOEIF	BCDC, UTC/ABAG, SFEP, SOC, BARC, NOAA, Local Jurisdictions, Private Philanthropy	EJ Advocacy, CBOs, Contra, DBC	Shoreline Leadership Academy	<ol style="list-style-type: none"> 1. Grant applications; BARC TA program application prioritizes projects with communities; RSC and CRC projects 2. Increased state funding requiring partnerships between communities and public agencies. Prime examples: North Richmond Horizontal Levee and the Marin Climate Justice Collaborative 3. BayCAN prioritizes relationships between CBOs and public agencies. SPECIFIC PROJECTS? 4. New proposal with BayCAN/CRC: Bay Area Climate Adaptation Network CBO Member Led Working Group
Task 2.2	Fund the participation and leadership of CBOs and frontline communities in adaptation planning.	Launching	BARC, BayCAN	BCDC, UTC/ABAG, SFEP, Local Jurisdictions, BayCAN, Private Philanthropy	CBOs	Shoreline Leadership Academy	<ol style="list-style-type: none"> 1. BCDC: EJ advisors participation in ICG and RSAP; 2. Marin Climate Justice Collaborative, neighborhood-based plan for Canal neighborhood (Marin) 3. Suisun leadership training program with Greenbelt Alliance and Sustainable Solano 4. Sacred Spaces (MLX shoreline in Oakland) led by Ninth Root 5. North Richmond Community Working Group for the Horizontal Levee 6. Climate Resilient Communities work in the peninsula 7. IRA funding for Shoreline Leadership Academy in 3 locations (SF, Contra Costa, San Rafael); pursuing funding for more through NOAA Resilience Grant 8. BayCAN/SFEP/Coastal Quest funding of community-led adaptation planning
Task 3.1	Tell local and regional stories about people and places adapting to climate change.	Underway	BARC, Exploratorium, media	SFEP, Local Jurisdictions, BayCAN, CBOs, Private Philanthropy	BCDC, UTC/ABAG, SOC	Bay Adapt Blog, Bay Adapt Annual Forum, Knee Deep Times, KQED	<ol style="list-style-type: none"> 1. Exploratorium/Port and Sierra Club engaged in public education about SLR 2. Greenbelt Alliance's resilience hotspots profiles for Newark, North Richmond and Suisun profile community leaders 3. Launch of BCDC Instagram

CRITERIA FOR PRIORITY TASKS

- ❑ ICG members can directly advance the task (ie is lead)
AND/OR
- ❑ ICG members can indirectly advance the task (ie the task fits within ICG's sphere of action)
AND
- ❑ The task needs more support (e.g. further involvement, resources, understanding, etc.)
AND/OR
- ❑ Opportunities or momentum exists or is emerging to advance the task
AND
- ❑ ICG members have an interest in advancing this task in the near term

PROPOSED PRIORITY TASKS

Joint Platform Tasks	ICG Member Role	ICG “sphere of action”	Needs More Support	Current Opportunities	Equity Nexus
Lay the foundation for a proactive regional legislative agenda.	x	x	x		x
Provide incentives for robust, coordinated adaptation plans.	x	x	x	x	
Align state-mandated planning processes around adaptation.	x	x	x		
Establish a framework for funding plans and projects.	x	x	x	x	x
Help cities and counties expand ways to fund adaptation planning and projects.	x	x	x		

PROPOSED PRIORITY TASKS

- Lay the foundation for a proactive regional legislative agenda.
- Provide incentives for robust, coordinated adaptation plans.
- Align state-mandated planning processes around adaptation.
- Establish a framework for funding plans and projects.
- Help cities and counties expand ways to fund adaptation planning and projects.

Do these feel like the right priorities for our Implementation Coordination Group in 2024 (and beyond as needed)?

Are there any modifications you would like to see in the priorities (without straying from the criteria: ICG member role, ICG “sphere of action”, needs more support, current opportunities)?

ICG COMMUNITY PRINCIPLES



THE CORE OF COMMUNITY PRINCIPLES

1. **Equity** and **Environmental Justice**
2. Respectful and **Inclusive** Dialogue
3. **Open-Mindedness** and Flexibility
4. **Collaboration** and Engagement
5. **Transparency** and **Accountability**
6. Confidentiality and **Trust**
7. **Action-Oriented** Adaptation Planning
8. **Funding** and Resource Allocation
9. Provide Guidance Continuous **Monitoring** and **Evaluation**
10. **Advocacy** and Collaboration Beyond Our Community

**ACCELERATING IMPACT ON A
REGIONAL POLICY, FUNDING AND
GOVERNANCE FRAMEWORK**

WHAT'S AT RISK IF WE DON'T ADAPT?

75,000
total households,
including 12,000 in
the most socially
vulnerable
communities.

200,000
total jobs,
and 15,000
total
businesses.

20,000
shoreline acres at
risk, including
wetlands, lagoons,
and tidal marshes.³

**transportation
corridors**
in all nine counties,
including main highway
corridors and regional
transit systems

Note: Impacts are with 4.9' of sea level rise.

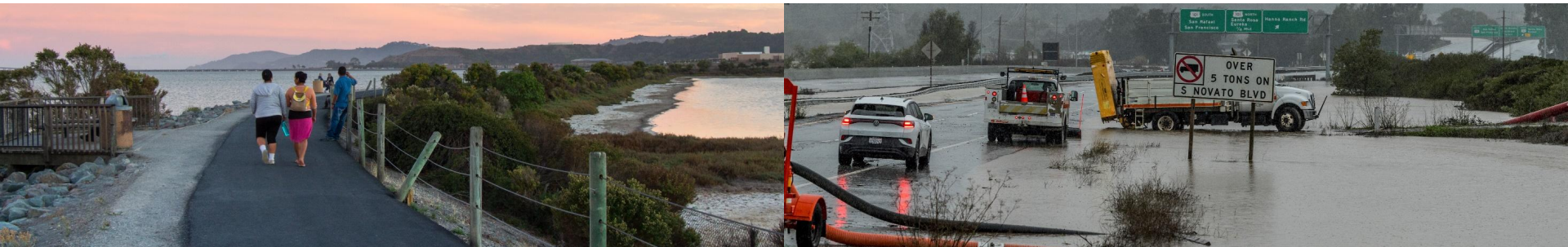


Photo credits: Ben Botkin (left); Karl Nielsen (right)

\$110 billion¹

Estimated cost of sea level rise adaptation in the Bay Area through 2050 to 4.9 ft (1.7ft SLR and 100-yr storm)

- **\$52 billion:** Estimated cost for known or planned projects
- **\$54 billion:** Estimated placeholder cost for areas with adaptation needs
- **\$3 billion:** Estimated additional sediment management needs³

\$230+ billion²

Estimated assessed value of a subset of assets at risk through 2050

The cost of inaction is far higher than the cost of adaptation.

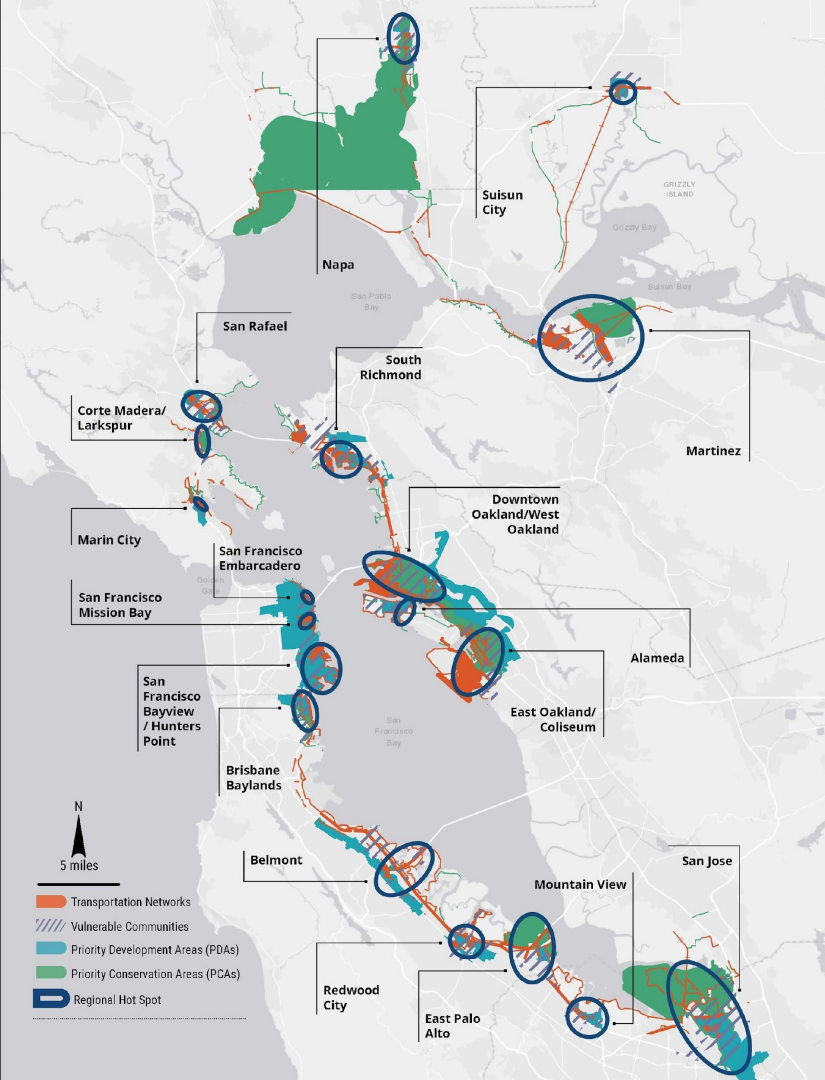
We stand to lose much more if we do not act now.

¹ In year of expenditure (YOE) dollars. ² In 2022 dollars. ³ Estimate developed by BCDC and SFEI analysis.

[Source: Sea Level Rise Adaptation Funding & Investment Framework](#)

A regional problem requires regional solutions

- Flooding knows no boundaries
- Frontline, disadvantaged communities are most affected and have fewest resources
- Near-term loss of wetlands
- Patchwork of protective actions
- Inconsistent application of science
- Competition, not collaboration, for limited funding
- No way to measure collective progress



REGIONAL EFFORTS CALL OUT NEED FOR REGIONAL FUNDING STRATEGY

Bay Adapt Funding and Governance Action, Task 6.2: Establish a Framework for Funding Plans and Projects

Develop a Revenue Generation and Distribution Plan

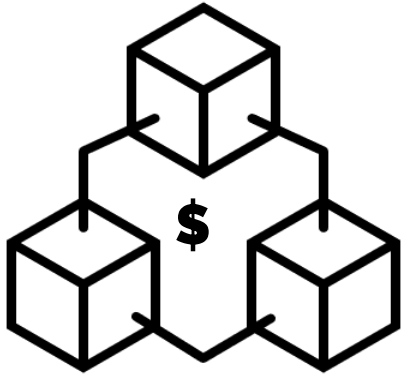
At a regional level, establish or designate a governance structure to develop and implement the Revenue Generation and Distribution Plan and allocate funding. This entity or structure should have the following qualities:

- Technical capabilities to evaluate SLR, planning, environmental, and financial issues
- Regional governance structure (i.e, has reach and representation throughout the 9-county Bay Area)
- Ability to receive, raise, and distribute regional funding

BCDC/MTC/ABAG Sea Level Rise Adaptation Funding & Investment Framework

Next Step: Better define lead agency roles for SLR funding efforts in the Bay Area

While tackling SLR requires robust partnerships, the lack of a lead agency to secure additional funding and distribute it equitably hinders the Bay Area's ability to mitigate climate impacts



PRESENTATIONS AND FEEDBACK

- Regional Shoreline Adaptation Plan and SB272 (Jessica Fain, BCDC)
- Moving Toward a Regional Funding Strategy (Michael Germeraad, MTC/ABAG)
- Clarifying Roles and Responsibilities for Sea Level Rise Adaptation to Secure and Manage Funding (Allison Brooks, BARC)

Clarification Questions after each presentation

Discussion following all presentations: *What recommendations do you have for these developments with regional policy, funding, and governance?*

**REGIONAL SHORELINE ADAPTATION
PLAN AND SB 272**

Jessica Fain, BCDC

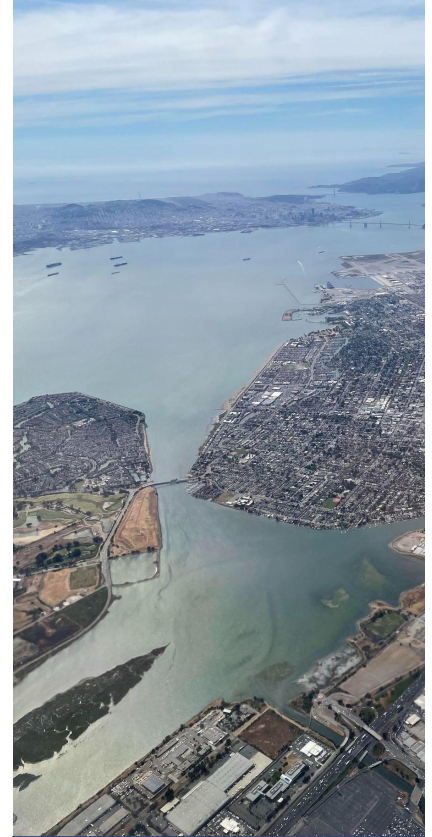
NOW IN DEVELOPMENT: Regional Shoreline Adaptation Plan



**PART 1:
VISION AND
GUIDELINES**

**PART 2:
LOCAL SUB-
REGIONAL PLANS**


**PART 3: REGIONAL
ADAPTATION
ONLINE MAP**



Aerial view of the Oakland
Alameda San Leandro Estuary.
Photo by BCDC.

WHAT IS SB 272?: SEA LEVEL RISE PLANNING AND ADAPTATION REQUIREMENTS

- Requires “subregional shoreline resiliency plans” along the bay
- Requires BCDC to develop guidelines for subregional plans, based on Bay Adapt
- Requires BCDC to review – and approve or deny – plans based on consistency with guidelines
- Sets timelines for guidelines and plan completion
- **Prioritizes State funding for strategies and projects within approved plans**

- 
- ✓ **Region Preparation**
 - ✓ **Priorities and Funding**
 - ✓ **Vision**

SB 272 REQUIREMENTS

Minimum Requirements for SLR Resiliency Plans:

- Best available science
- Vulnerability assessment, including at-risk communities
- Adaptation strategies and projects
- Planning and implementation leads
- Timeline for updates
- Economic impact analysis for critical infrastructure

Our work is going above and beyond by creating the guidelines collaboratively and emphasizing equity and nature-based solutions



GOOD NEWS! WE'RE ALREADY UNDERWAY

2023 SB 272 Enacted



2011
CLIMATE
CHANGE
POLICIES IN SF
BAY PLAN



2020
ART BAY
AREA



2021
BAY ADAPT
JOINT
PLATFORM

2024
REGIONAL SHORELINE
ADAPTATION PLAN
GUIDELINES

2025+
SUBREGIONAL PLAN
DEVELOPMENT,
ASSISTANCE &
IMPLEMENTATION

- ✓ Aligned
- ✓ On Track
- ✓ Linked to Funding



CALIFORNIA
**OCEAN
PROTECTION
COUNCIL**

GOALS FOR SUBREGIONAL PLANS

URGENT

Accelerate plan completion before 2034 deadline by providing support and incentives.

FLEXIBLE

Support jurisdictions where they're at and help them meet requirements in their own unique ways.

ALIGNED

Ensure outcomes are coordinated and fit with local plans, other sub-regional plans, and within the RSAP, and align with outer coast requirements (CCC).

EFFECTIVE

Position plans to “move the needle” on policies and projects

ADDITIVE

Ensure plans add up to something bigger than sum of their parts to adapt faster, better, and more equitably



OPPORTUNITIES AND CHALLENGES

- Accelerate subregional plan completion before the 2034 deadline. Support local governments fund and create plans.
- Promulgate regulations that clarify how to submit and approve "subregional San Francisco Bay Shoreline Resiliency Plan."
- Connect sub-regional plans with BCDC's regulatory authority to harmonize and accelerate project delivery – per BCDC Strategic Plan Goal 2.
- Clarify how projects in approved plans will be “prioritized for State Funding”.

BCDC will address these opportunities and more through a public, transparent process.

**MOVING TOWARD A
REGIONAL FUNDING STRATEGY**

Michael Germeraad, MTC/ABAG

Why Create a Regional Funding Strategy?



Photo: Laszlo Green, 2023

A Regional Funding Strategy can advance sea level rise efforts in several ways:

Supporting future advocacy efforts. Recent analysis identified \$110B in estimated adaptation need, with a significant funding gap. A shorter list of near-term adaptation needs can bring attention to strategic resilience investment needs in the Bay Area.

Advancing regional adaptation goals, such as encouraging multi-benefit solutions and nature-based strategies.

Promoting equitable outcomes in a competitive funding space by taking a strategic, regional view that accounts for different resources and contexts.

Provide Bay Area investment priorities to the State, as called for SB 272, as well as in the interim.

Moving from a Framework toward a Funding Strategy

Regional sea level rise efforts to date have primarily focused on data, information-gathering, and research. The *Sea Level Rise Adaptation Funding and Investment Framework* was the most recent effort, which concluded in summer 2023. Current efforts build off past efforts and are advancing toward a regional strategy to fund and deliver sea level rise resilience projects.

Pre-cursor efforts

Region-wide Vulnerability Study

ART Bay Area Report (BCDC)

Adaptation Strategy Nature-Based Suitability

Adaptation Atlas (SFEI & SPUR)

Sea Level Rise Joint Platform

BayAdapt (BCDC)

Initial Sea Level Rise Cost Estimate

Plan Bay Area 2050 (MTC/ABAG)

Recent efforts

Adaptation Project List and Updated Cost Estimate

Sea Level Rise Adaptation Funding and Investment Framework (BCDC & MTC)

Sea Level Rise Revenue Forecast

Sea Level Rise Adaptation Funding and Investment Framework (BCDC & MTC) & Plan Bay Area 2050+ Revenue Forecast (MTC)

Online Adaptation Project Tracking

Shoreline Adaptation Project Mapping SAPMAP (BCDC)

Current efforts

Sea Level Rise Regional Funding Roles

Regional Agency MOU (BARC)

Sea Level Rise Planning Guidelines

Resilient Shoreline Adaptation Plan (BCDC)

Sorted Project List

Plan Bay Area 2050+ (MTC/ABAG)

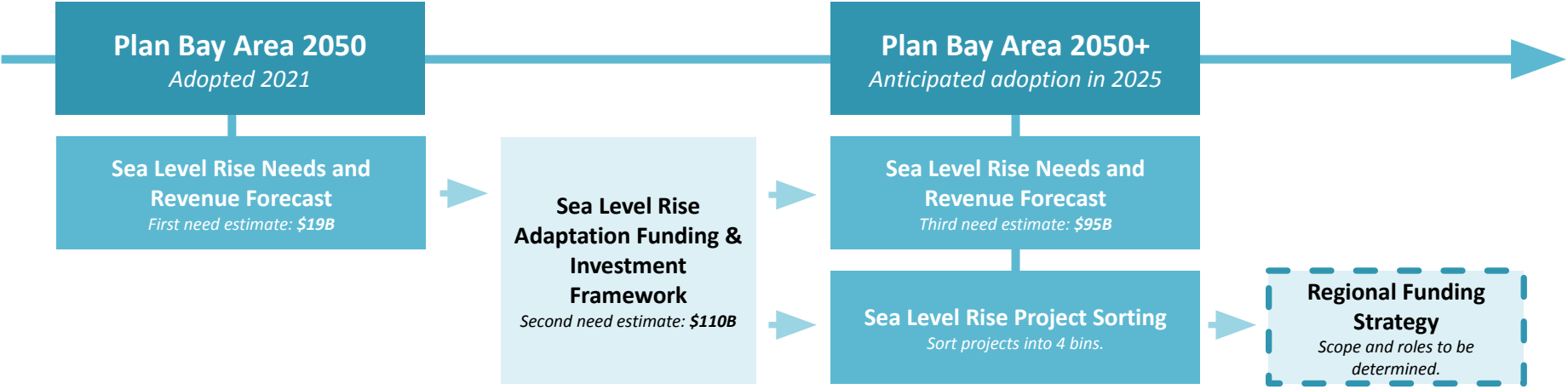
Future efforts

Regional Funding Strategy (Prioritized Project List)

Informed by MOU, legislation, funding programs and other initiatives. Is a product that is regularly updated.

Sorted Project List: Integrating Sea Level Rise Projects into Plan Bay Area 2050+





Plan Bay Area 2050, approved in 2021, incorporated sea level rise projects for the first time to ensure consistency with long-range land use and transportation investment decisions. Plan Bay Area 2050+ will update the needs and revenue forecast for sea level rise, add a sorting of projects, and anticipates pointing toward a Regional Funding Strategy to be completed in the future.



Sorted Project List: Using Plan Bay Area 2050+ to Explore Project Sorting

For Plan Bay Area 2050+, staff are exploring sorting projects into bins using **timing** (inundation height), and **project readiness** (planning completed vs. planning needed).

Project impacts would be supplemental information collected, but not directly used to sort in-between bins. Project impacts instead could be used to exclude protective projects that are not protecting significant resources.

Timing When inundation impacts occur.	Nearer-term <i>(projects are needed in the first decades of rise.)</i>	Project Readiness What is the next step for the project/location?	
	Longer-term <i>(projects are not needed until higher sea levels)</i>	Implementation \$ Needed <i>(projects developed through local process)</i>	Capacity Building & Planning \$ Needed (currently placeholder projects)
		Bin 1A 	Bin 1B 
	Bin 2A 	Bin 2B 	

We want to hear your input on the approach to sorting.

Contact Rachael Hartofelis rhartofelis@bayareametro.gov or Michael Germeraad mgermeraad@bayareametro.gov to share input or request a presentation at a meeting you host.

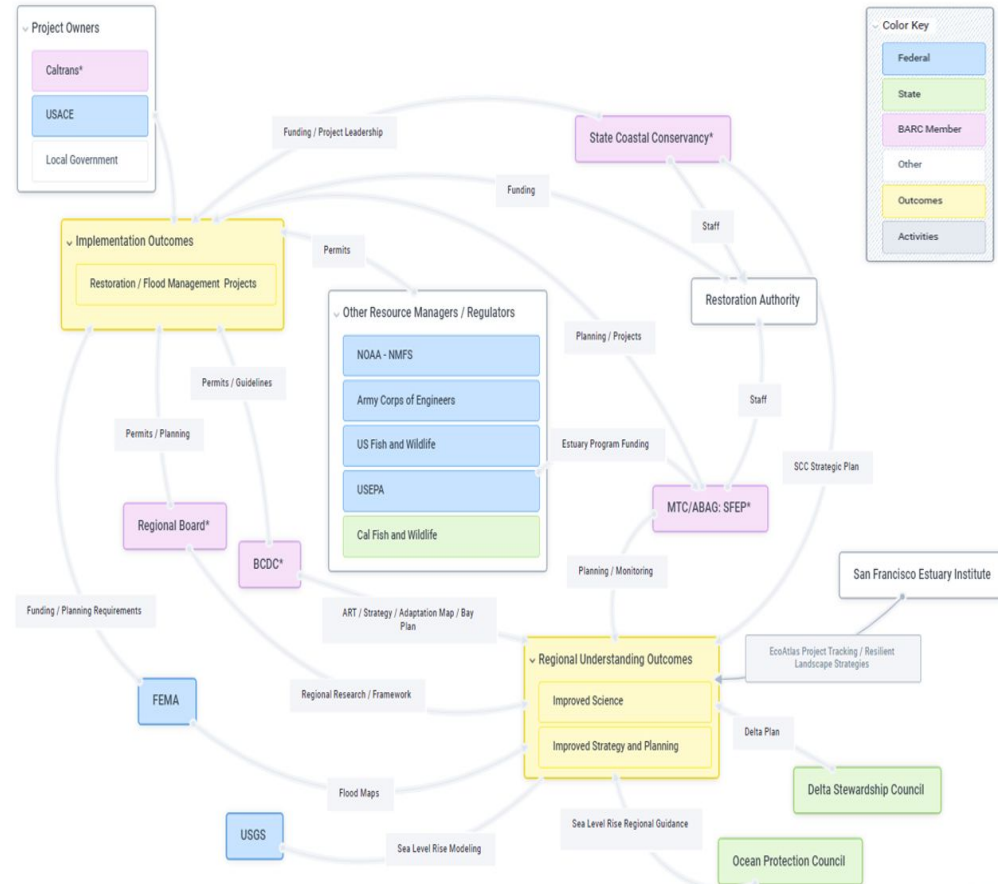
**CLARIFYING ROLES AND
RESPONSIBILITIES FOR SEA LEVEL
RISE ADAPTATION TO SECURE AND
MANAGE FUNDING**

Allison Brooks, BARC

Creating Clarity in Complexity

Wealth of agencies collaborating in an informal system of programs, policies, planning, funding and regulatory activities to support **Nature Based Strategies**

- No agencies similarly engaged to support **grey or hybrid** infrastructure where its needed.
- An **array of project types** along the Bay shoreline are needed to manage sea level rise, from green to grey and hybrid.
- Opportunity to create a regional-scale **enabling environment** for advancing best projects along the entire shoreline. Planning + Regulatory + Funding
- Greater clarity on roles & responsibilities of different agencies will help position Bay Area for major **Federal and State Funding**.



System Map for Nature Based Strategies

Agency Roles and Authorities

(From Accompanying Memo)

Agency	Financial Manager	Granting Agency	Project Delivery	Planning	Regulatory
ABAG		✓		✓	
BCDC				✓	✓
CA State Coastal Conservancy	✓	✓	✓	✓	
MTC	✓	✓	✓	✓	
SFBRA	✓	✓			
SFBRWQCB		✓			✓

Formalizing Roles for Regional Sea Level Rise & Coastal Flooding Management System



1. **Position Lead Agency/Agencies in securing, distributing, & managing funds** – Select primary contact(s) for Federal and State Agencies delivering major grants and appropriations.
2. **Project Prioritization/Decision-making:** Create collaborative process to determine project funding decisions
3. **Regional planning** – Ensure alignment of regional planning efforts to advance similar values, goals, priorities, and guidance
4. **Technical Assistance** – Work together to support capacity building and project delivery in priority locations

Recommendation: *MOU that outlines lead roles and responsibilities*

Oct - Nov 2023

Select staff and board members to participate in process.

Dec 2023 – Feb 2024

Draft MOU with lead and supporting agency roles, responsibilities

March 2024

Draft circulated to individual agency commissions and boards for discussion/approval.

DISCUSSION

What recommendations do you have for these developments with regional policy, funding, and governance?

DISCUSSION

- **How do we apply the same collaborative model and political will that made Bay Adapt a success to the implementation of SB272?**
- **What should a regional funding strategy do?
What factors do we need to understand better?**
- **What are the most pressing issues that a regional agency MOU on sLR should aim to resolve?**

WRAP UP AND NEXT STEPS

2024 MEETINGS CALENDAR

- Feb/March (virtual)
- May/June (in-person)
- Aug/Sept (virtual)
- Nov/Dec (virtual)



Photo Credit: California King Tides Project. Jack London Square, Oakland

THANK YOU!

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