



AGENDA

20 I Welcome and Reports

60 I Presentation and Discussion: Making Collaborative Funding Work

20 I 2024 Work Plan

51 Annual Forum Update

5 | Meeting Feedback

Noon: Gather for Lunch (optional)

MEETING OUTCOMES

- Develop a shared understanding of progress and emerging opportunities
- Discuss and determine the next steps in making collaborative funding work for Bay Adapt
- Commence 2024 work plan



CHAIR WELCOME AND RSAP ADVISORY GROUP REPORT OUT

Bay Adapt ICG and Joint Platform Updates

ICG's Purpose

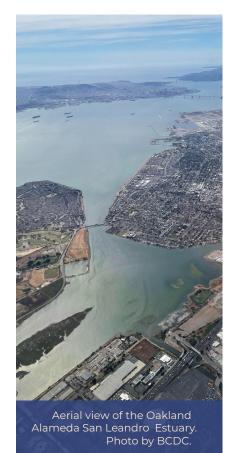
The Implementation Coordinating Group (ICG) consists of executive leaders of organizations committed to regional **collective action** and **transformative solutions** for sea level rise adaptation. The purpose of ICG is to advance policy, funding, and governance that accelerates the implementation of the Bay Adapt Joint Platform priority tasks.

How ICG Works

ICG advances its purpose and priorities through:

- → Working towards an annual priority task through coordination and collective action with each member taking responsibility for advancing specific actions
- → Identifying challenges and opportunities in implementing the Joint Platform Priority Tasks
- → Building a collective body of knowledge about projects and progress
- → Ensuring that equity is embedded in all Bay Adapt actions
- → Following our <u>Community Principles</u>







Joint Platform Priority Tasks



(Action 1: Collaborate on a "One Bay" vision to adapt to rising sea levels)

1.2 Lay the foundation for a proactive regional legislative agenda.

(Action 5: Align local and regional plans into a unified adaptation approach)

- 5.1 Provide incentives for robust, coordinated adaptation plans.
- 5.2 Align state-mandated planning processes around adaptation.

(Action 6: Figure out how to fund adaptation)

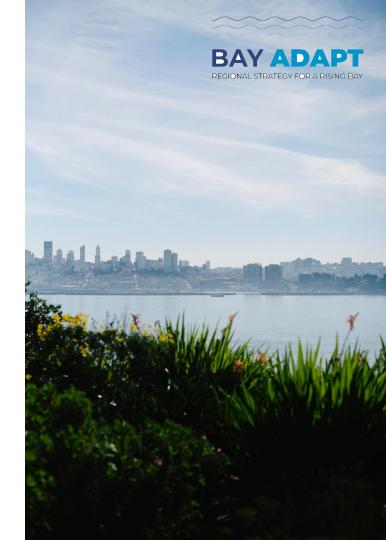
- 6.2 Establish a framework for funding plans and projects.
- 6.3 Help cities and counties expand ways to fund adaptation planning and projects.

(Action 8: Fund and facilitate faster adaptation projects)

8.1 Incentivize projects that meet regional guidelines.

Joint Platform Implementation Tracking

- New Joint Platform Progress Report for ICG
- Check-in calls to get updates from ICG members before each quarterly meeting



Making Collaborative Funding Work

Presentations

- Recommended Priority Task 6.2: Establish a framework for funding plans and projects (Dana Brechwald)
- Interagency MOU on Sea Level Rise Adaptation Funding (Allison Brooks, BARC)
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Making Collaborative Funding Work

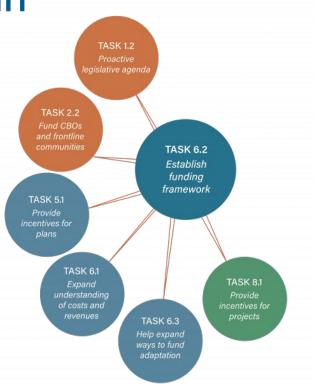
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What is a Funding Framework in the Joint Platform?

Develop and implement a framework or process to aggregate, generate, and distribute adaptation How the funding framework can assist funding for communities, plans and projects. Use other Joint Platform guidelines developed in Task 1.1 to direct funding to incentivize successful local planning (Task 5.1), and to evaluate and assign funding to proposed adaptation projects included in such plans (Task 8.1). Consider modeling the process on the MTC/ABAG Transportation Project Performance framework, in which partners nominate local projects for evaluation based on specific criteria and then prioritize them for funding. Actively advocate for adaptation funding for the region (Task 1.2) and consider spearheading new regional taxes, fees, or other financing mechanisms to fund plans and projects.



actions



Joint Platform Implementation Brief

At a regional level, establish or designate a governance structure to develop and implement the Revenue Generation and Distribution Plan and allocate funding. It is likely that this entity would need to be created, identified, or given these authorities via state legislative action. 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

Develop a methodology for identifying and quantifying local, regional, state, and federal funding sources, comparing these to adaptation costs estimates identified previously, and identifying potential options for how funding gaps may be filled at each level. This could include identifying existing, or planning for new, regional funding sources or financing tools (both public and private) while incentivizing local sources from cities and counties. This will also serve as the basis to guide increased funding via state and federal legislative approach and budget allocations.

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Adaptation Needs

What is the regional estimate to fund adaptation?

\$110 billion*

Estimated cost of sea level rise adaptation through 2050 (in Year of Expenditure dollars)

What is the regional estimate of **inaction**?

\$231 billion



*The estimate includes: Assumed "protect in place" adaptation action for all vulnerable shoreline, including low density areas and agricultural land. Assumed areas vulnerable to up to 4.9 feet of inundation are protected

The estimate does not include: Alternative approaches that do *not* protect in place, which could change the cost estimate for adaptation in some shoreline segments. Building code or other local policy adjustments. Riverine and groundwater adaptations. Adaptation plans made by utilities.

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.



Regional Efforts Have Called Out Need to Identify Fund Manager

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

Develop a Revenue Generation and Distribution Plan

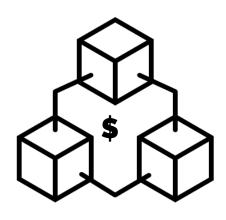
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BCDC/MTC/ABAG Sea Level Rise Adaptation Funding & Investment Framework

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



Core Functions Outlined in MOU



- **1.** Fund Management: Securing and Awarding Federal, State, and Regional Funding
- 2. <u>Planning</u>: Preparing for SLR and Flooding Risks
- **Technical Assistance**: Supporting Project Development and Delivery
- **4.** Regulatory Alignment: Permitting for Adaptation
- **5.** <u>Coordination</u>: Collaboration and Decision-making Among Agencies

Icon credit: TheNounProject, Pixelz Studio

At a Glance: Roles and Responsibilities

	ABAG/ SFEP	BAAQMD	BARC	BCDC	Caltrans D4	MTC	scc	Water Board
Fund Management	•	\bigcirc	Ø	\bigcirc	•	•	Fracking, Fed \$ default	
Planning	©	\bigcirc	RS	GAP & Funding Strate	Ey	PBA Integration	\bigcirc	\bigcirc
Technical Assistance	•	\bigcirc	Facilitate	Planning TA	Ø	•		\bigcirc
Regulatory Alignment	\bigcirc		\bigcirc	•	\bigcirc	\bigcirc	\bigcirc	
Coordination	\bigcirc	\bigcirc	©	•	\bigcirc	\bigcirc	\bigcirc	\bigcirc







Why this matters

We've never done this before!

- Introducing a Coordinated Regional Strategy to Fund and Deliver Projects
- 2. Outlining Roles and Responsibilities Across Functional Areas to Achieve Shared Goal

Getting to Approved MOU

- Draft to be shared and reviewed at each agency
- Revised Draft developed based on any feedback
- Goal: Bring to BARC Governing Board for approval in July 2024

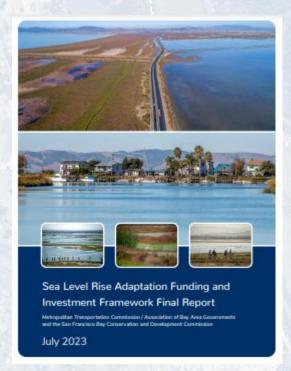
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- I. SLR MOU
- II. SCC's role
- Example NOAA Climate
 Resilient Regional Challenge
- IV. Lessons-learned

SLR Memorandum of Understanding



- · SF Bay needs at least \$110 billion
- State & Regional agencies actively coordinating via BARC
- Sharing responsibility for tackling SLR resilience
- Goal to protect communities, infrastructure,
 & environment







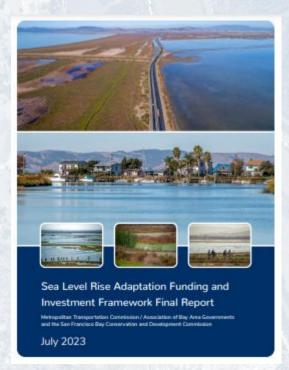








MOU - Coastal Conservancy's role



- · Seek, secure, & distribute funding
- · Focus on equity & multi-benefit projects
- · SCC lead w/ partners (SFEP, USACE, etc.)
- MTC/ABAG/Caltrans to lead obtaining transportation funds
- All agencies will work to determine if a ballot measure could be done

















Climate Resilient, Equitable Shoreline Transformation (CREST) Bay Area

- · NOAA Climate Resilient Regional Challenge \$75M
- Reviewed Program Priorities
- · Gathered Partners
- · Bay Adapt as a backbone

Risk Reduction

Regional Coordination and Collaboration

Equity & Inclusion

Enduring Capacity

Climate Resilient, Equitable Shoreline Transformation (CREST) Bay Area

- · NOAA Climate Resilient Regional Challenge \$75M
- Gathered Partners
- Reviewed Program Priorities
- Identified Restoration & Nature-based Adaptation Projects needing \$
- · Identified Planning Actions Needed to Advance Equitable Projects
- · Created Rubric based on Program Priorities, Funding, Schedule, etc.

Weighted Scoring

Criterion	Weight (0-4)	Criterion Type (y/n vs. H-M-L-0)
Amount of risk reduction / SLR adaptation	4	H-M-L-0
Regional coordination/collaboration	4	y/n
Underserved communities/DACs/Env Justice communities	4	H-M-L-0
Readiness to spend / Likelihood of completion by 2029	3	H-M-L-0
Builds on existing regional plans or foci (e.g., RbD, Goals, SFBJV priorities, etc.)	3	y/n
Amount of SLR-resilient marsh restored	1	H-M-L-0
Contributes to geographic distribution of projects around Bay Area	2	H-M-L-0
Mix of methods to achieve goals	1	y/n
Has subtidal-to-uplands spectrum	0	y/n
Projects that need more fundraising help than others	0	y/n
Total Score		25001

Climate Resilient, Equitable Shoreline Transformation (CREST) Bay Area

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- Reviewed Program Priorities
- Identified Restoration & Nature-based Adaptation Projects needing \$
- · Identified Planning Actions Needed to Advance Equitable Projects
- · Created Rubric based on Program Priorities, Funding, Schedule, etc.
- SCC Leading Implementation Actions
- · SFEP Leading Regional Planning Actions
- · Selected 6 Lead Authors for the 10 Projects
- SCC Submitted

CREST Lessons Learned

- · Clear decision-making process
- · Clear communication / transparency
- · Building upon existing coordination
- · Willingness to change
- · Fair
- . Coordinated

Questions?

Evyan Borgnis Sloane

Deputy SF Bay Program Manager

Evyan.Sloane@scc.ca.gov



Next Steps

- · Executive Directors have recently completed review
- Agency staff now working on Work Plan to operationalize the MOU
- · Board approval for each agency before July 2024
- · MOU will go to the BARC Governing Board on July 19, 2024

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The Problem

- We have an approximately \$110B liability for regionwide adaption (2023 FIF)
- We need to consider how to grow investment in regionwide adaptation.
- We lack a plan to direct resources in the short-term.

Range	Cost
Low estimate	\$81B
<u>Mid-point</u> <u>estimate</u>	<u>\$110B</u>



(Part of) The Solution

Bay Adapt Joint Platform item 6.2: "Establish a framework for funding plans and projects

"<u>Develop a methodology for identifying and quantifying local, regional, state, and federal funding</u> sources, comparing these to adaptation costs estimates identified previously, and identifying potential options for how funding gaps may be filled at each level" (Bay Adapt Implementation Plan)

"Consider modeling the process on the MTC/ABAG Transportation Project Performance framework, in which partners **nominate local projects for evaluation based on specific criteria and then prioritize them for funding.**"

Funding investment framework(FIF) Next Steps:

"Through regional plans, prioritize sea level rise investments to reduce the funding gap and better align local and regional planning." "Support cities, counties, and the private sector to develop funding and financing tools at multiple scales."

The MOU

"BCDC and MTC/ABAG will partner, with BCDC as the lead project manager, on the update every four years of the San Francisco Bay Area Sea Level Rise Funding and Investment Strategy (Investment Strategy). <u>The strategy will be used to guide investment decisions</u> and will be included in MTC/ABAG's Plan Bay Area (the Regional Transportation Plan/Sustainable Communities Strategy) and other regional plans, as appropriate."

The Process

- We are conducting background research to understand best practices and learn about successful models from other regions and other domains.
- 2. Building off the SAPMAP and project sorting in Plan Bay Are 2050+ update
- 3. Building off the One Bay Vision and RSAP Guidelines.
- We are coordinating regional and state agencies around an MOU to define roles to support the Funding and Investment Strategy.
 - BCDC and MTC are partnering on this component.
- 5. Will be an iterative process that we refine and improve over time.

Early Stage Reviews

Bay Area & beyond:

MTC Transportation Project Performance Assessment (2021, being updated now)

Examples from other states:

- Virginia Coastal Resilience Master Plan (2021)
- Louisiana Comprehensive Master Plan for a Sustainable Coast (2023)
- Florida 2023-24 Statewide Flood and Sea Level Rise Resilience Plan (2023)
- Texas Coastal Resiliency Master Plan (2023)
- Recommend more!

How will we use it?

Grow Resources:

- Communicate Bay-wide resiliency funding needs to a range of audiences
- Help categorize projects and their benefits to connect them to funding pots

Prioritize Resources:

- Offering letters of support for grant applications
- Offering technical assistance
- Prioritizing efforts for seeking and distributing large regionwide grants

Encourage project goals to align with regional goals to improve projects

What's Next?

Through the spring we will continue to do background research and develop a clearer workplan.

Summer we will begin to develop methods. We estimate an initial version will be available in 2025.

Plan to repeat process on a 4-year cycle with possible 2-year interim minor updates.

Discussion Questions

What successful funding strategies should we review?

How can we make this tool most effective?

How would you use this tool?

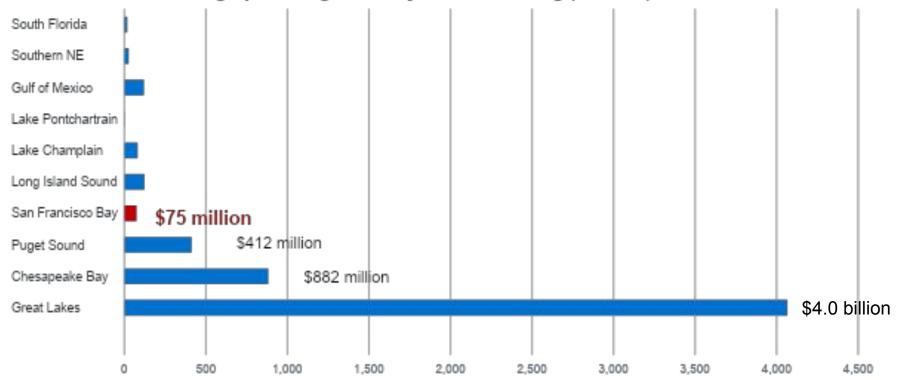
Making Collaborative Funding Work

Presentations

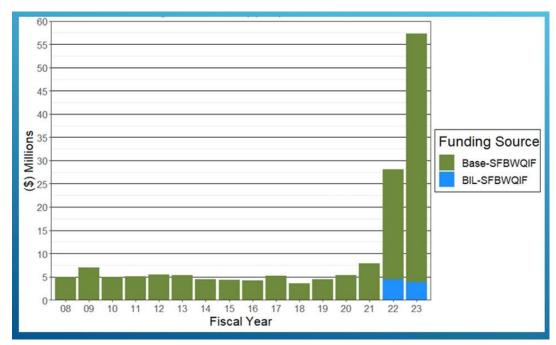
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Historically, San Francisco Bay has received less federal funding than other estuaries

U.S. EPA Geographic Programs 14-year total funding (millions) – FY 2008-2021



U.S. EPA's San Francisco Bay grant funding is increasing



December 2022:

- Biden signs the San Francisco Bay Restoration Act into law
- Congress approves \$54.4M for SF Bay water quality and habitat protections

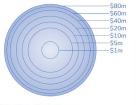
Source: USEPA



San Francisco Bay Restoration Funding Needs

Legend

37 restoration projects are marked on the map that need funding, according to the State Coastal Conservancy. The center of the circle corresponds with the location, and the size is the amount of funding required for the project.



Regionally Advancing Living Shorelines Projects = •

Region-wide

\$6m SFSU Living Shorelines Project

\$15m Invasive Spartina Project (all counties)

\$30m Regionally Advancing Living Shorelines (multiple sites on map)

Marin County

\$7m Deer Island Basin

\$2.5m Novato Baylands Stewardship

\$17m Bel Marin Keyes

\$10m Tiscornia Marsh Restoration

\$4m Greenwood Gravel Beach

\$30m EOS Campus Infrastructure Improvements

\$33m Evolving Shorelines At Bothin Marsh

Regionally Advancing Living Shorelines (San Rafael Shoreline)
Regionally Advancing Living Shorelines (Corte Madera Marsh)
Regionally Advancing Living Shorelines (Dunphy Park)

Sonoma County

\$75m Sonoma Creek Baylands Project

Napa County

\$0.5m Napa River Wetland Restoration

\$3m American Canyon Tidal Marsh Restoration

Solano County

\$2m Goat Island Tidal Marsh Restoration

\$9m Montezuma Wetland Restoration Phase 2

Contra Costa County

\$30m North Richmond Living Levee Project
Regionally Advancing Living Shorelines (Pt. Isabel)

Alameda County \$4m De-Pave Park \$4m Long Beach Restoration \$15m Hayward Marsh Restoration \$20m Eden Landing Restoration Phase 1 \$25m Eden Landing Restoration Phase 2 \$80m Newark Baylands Regionally Advancing Living Shorelines (Berkeley North Basin) Regionally Advancing Living Shorelines (Ashby Spit) Regionally Advancing Living Shorelines (Hayward Shoreline) Santa Clara County \$80m South Bay Shoreline Project \$20m Calabasas/San Tomas Aquin Creek \$5m Pond A4 Restoration \$9m South Bay Salt Pond A1

Regionally Advancing Living Shorelines (Mission Creek to Islais Creek)

Regionally Advancing Living Shorelines (Pier 94 Wetlands)

Regionally Advancing Living Shorelines (Heron's Head Park)

San Mateo County \$1m SAFER Bay Project

\$33m Burlingame Shoreline Park \$14m Colma Creek Restoration

San Francisco County \$10m India Basin Waterfront Park



Governor's Proposed Changes to Coastal Resilience Package

General Fund Unless Otherwise Noted (In Millions)

Program	Department	Original Multiyear Total ^a	Revised Multiyear Total ^b	Proposed Redutions	Proposed Multiyear Total
Protecting the coast from climate change	SCC	\$500	\$326	-\$171	\$155
Adapting to sea-level rise	SCC	420 ^c	420 ^c	-159	261 ^c
Adapting infrastructure to sea-level rise	SCC	144 ^d	135 ^d	-62	72 ^d
Protecting the ocean from climate change	OPC	117 ^e	117 ^e	-35	82 ^e
Implementing SB 1	OPC	102 ^d	102 ^d	-25 ^f	77 ⁹
Adapting to sea-level rise in state parks	Parks	12	12	_	12
Totals	,	\$1,295	\$1,112	-\$452	\$660

^a Based on 2021-22 and 2022-23 budget agreements.

SCC = State Coastal Conservancy; OPC = Ocean Protection Council; SB 1 = Chapter 236 of 2021 (Senate Bill 1, Atkins); and Parks = Departments of Parks and Recreation.

^b Based on 2023-24 budget agreement.

^c Includes \$80 million from the Greenhouse Gas Reduction Fund (GGRF).

d Includes \$38 million from GGRF.

^e Includes \$17 million from Proposition 68 (2018) bond funds.

f Governor proposes delaying \$27 million from 2023-24 to 2024-45 and shifting the fund source for \$37 million in 2024-25 from General Fund to GGRF.

g Includes \$74 million from GGRF.

Resources Bonds, 2000 to Present

Source: Legislative Analyst's Office

(Dollars in Billions)

()			
Bond	Year	Purposes	Allocation
Proposition 12	2000	Parks, forests, and open space	\$2.10
Proposition 40	2002	Parks and conservation	\$2.60
Proposition 50	2002	Water projects	\$3.44
Proposition 1E	2006	Flood protection	\$4.09
Proposition 84	2006	Water supply, flood protection, and parks	\$5.388
Proposition 1	2014	Water projects	\$7.546
Proposition 68	2018	Parks, environment, and water	\$4.00
Proposed Bond	2024	Climate resilience	TBD
Totals			\$29

Support for a Climate Resilience Bond

AUTHORIZES BONDS FOR SAFE DRINKING WATER, FLOOD PROTECTION, WILDFIRE PREVENTION, CLEAN ENERGY INVESTMENTS AND PROTECTING LANDS FROM CLIMATE RISKS. Authorizes (HALF SAMPLE: \$15 billion) (HALF SAMPLE: \$10 billion) in general obligation bonds for various projects to reduce climate risks and impacts. Fiscal Impact: Average annual cost of about (HALF SAMPLE: \$800 million) (HALF SAMPLE: \$533 million). State savings from reduction in fire and flood damages. Potential savings to local governments for fire protection and water projects in the tens of millions of dollars annually over the next few decades.

Vote	\$15 Billion	\$10 Billion	
Total Yes	60%	58%	
Total No	31%	35%	
Undecided	9%	7%	

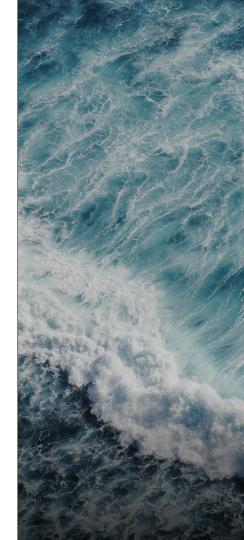
Current Legislative Proposals

Senate: SB 867

\$2 billion for coastal resilience programs

Assembly: AB 1567

\$1.655 billion for the protection of coastal lands, bays, and oceans from climate risks





of State Deficits?





Making Collaborative Funding Work

Discussion

How can we advance and accomplish Task 6.2 among ICG member agencies and organizations? How do we bring in CBOs and nonprofits?

What other opportunities or mechanisms exist that may complement the MOU in advancing Task 6.2?

2024 Work Plan

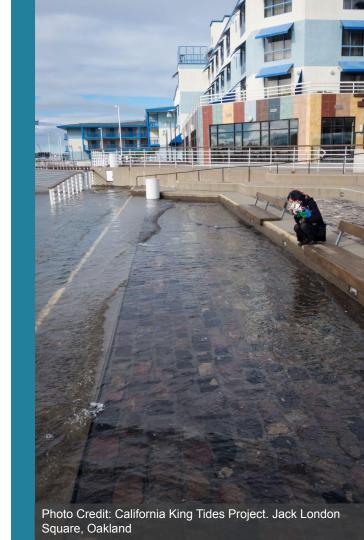


MEETING FEEDBACK

Use link on agenda or https://tinyurl.com/yc8kjbz5

2024 MEETINGS CALENDAR

- June 20th, 10am-Noon
- September 19th, 10am-Noon
- December 19th, 10am-Noon



THANK YOU!

Dana Brechwald

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Lunch Option:

Soma Eats

121 Spear Street