Regional Shoreline Adaptation Plan

An implementing project of **BAY ADAPT**

Planner and Practitioner Workshop

July 23, 2024

A REGION-WIDE CALL TO ACTION ...

WELCOME!

J

Date

Workshop Goals

- Introduce BCDC's Regional Shoreline Adaptation Plan (RSAP) and SB 272
- 1. Provide opportunities for comments, questions, and discussions about the current approach in the RSAP draft
- 1. Learn how we can improve this version to be most actionable and effective for your jurisdictions





AGENDA

Welcome, Workshop Overview and Goals	15 min
Introduction to BCDC, the Regional Shoreline Adaptation Plan (RSAP), and SB 272	15 min
Overview of the RSAP Current Draft	15 min
Thematic Breakouts - Round #1	30 min
Break	
Thematic Breakouts - Round #2	30 min
Supporting Local Implementation - Round #3	30 min
Wrap Up & Next Steps	10 min



Raise **Zoom Hand** to contribute, please hold questions until end of sections



Can **use the chat** to share links to resources, questions, or comments



Please rename yourself:

Name (pronouns), Organization



Please **stay muted** when not speaking (Phone mute is *6)



Remind us your name before speaking

If you have tech questions or issues, please message Kat.

TECHNOLOGY

MEETING AGREEMENTS



UNDERSTAND THE DIFFERENCE BETWEEN INTENT AND IMPACT: Try to understand and

acknowledge **your** impact. Denying the impact of something you said by focusing on intent is often more destructive than the initial interaction.

MOVE UP / MOVE BACK: Encourage full participation by all present. Take note of who is speaking and who is not. If you tend to speak often, consider "moving back" and vice versa.

PRACTICE MINDFUL LISTENING: Try to avoid planning what you'll say as you listen to others. Be willing to be surprised, to learn something new. Listen with your whole self. Be mindful that we all have the potential to nourish and be nourished by the exchange.

SPEAK YOUR TRUTH IN WAYS THAT RESPECT OTHERS: Honor your own life experience by speaking your truth but recognize others may have different truths. Center your experience using "I" statements and trust others to do their own sifting and winnowing.



LEARN TO RESPOND TO OTHERS WITH HONEST, OPEN QUESTIONS: With such questions, we help "hear" each other into deeper speech.



YOU CHOOSE HOW YOU PARTICIPATE: You are invited to join this table in whatever capacity you are able, and to participate in whatever way is true for you.



STAY MINDFUL OF THE BENEFITS OF RECIPROCITY: Try to participate with an understanding that we all have the power to nourish and be nourished by one another.

WHO'S WITH US TODAY?

Who is in the room?

- 1. How would you describe yourself?
- 2. What county do you work in?
- 3. How familiar are you with the RSAP and SB 272?
- 4. What are you hoping to get out of the workshop today?

menti.com CODE

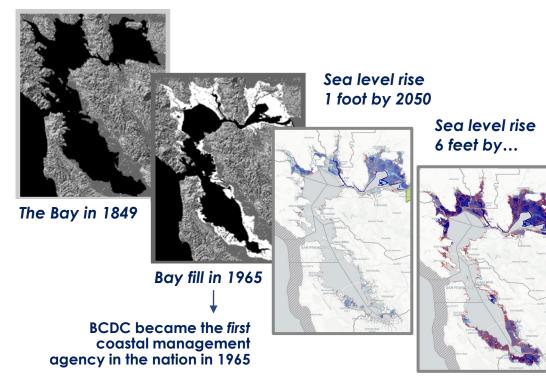
8484 6646





BCDC, the Regional Shoreline Adaptation Plan (RSAP), and SB 272









Top photo is king tides flooding at Redwood Shorelines, bottom photo is the Baylands Preserve. Photos courtesy of the California King Tides project.



What's at risk in 40 years?





Top photo is king tides flooding at the San Francisco Embarcadero, courtesy of the King Tides project. Bottom photo is Bair Island wetlands from Google Pro.

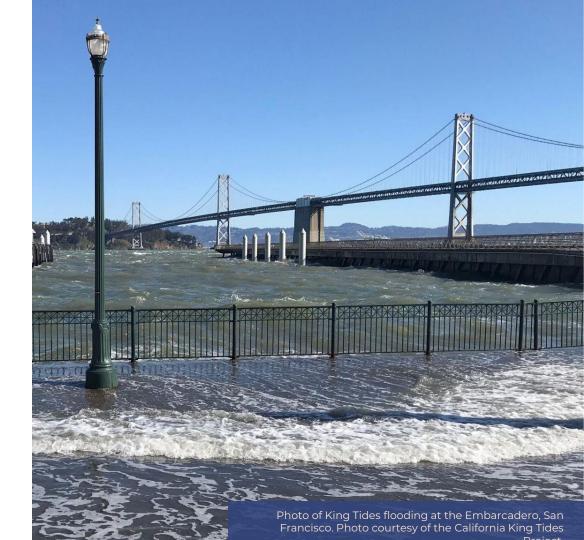
Source: Adapting to Rising Tides Bay Area 2020.





A regional, **consensusdriven strategy** that lays out the actions necessary to adapt the Bay Area to rising sea level to protect people and the natural and built environment.

An initiative of the San Francisco Bay Conservation and Development Commission.



Why do we need a Regional Shoreline Adaptation Plan?



- Priority resources to **frontline communities**
- Long-term health of wetlands
- Strategic implementation
- Common standards and methods
- Pipeline of funding
- Track and measure progress



Regional Shoreline Adaptation Plan







Top photo is an outreach event at Richmond. Bottom photo is Bothin Marsh, photo courtesy of the California King Tides project.



Guiding Principles

- Support socially vulnerable communities
- Put nature first whenever possible
- Solve interconnected problems at the same time
- Practice inclusive, community-led governance and decision making
- Support existing efforts but plan for the long term
- Pick the right strategy for the right time at the right place





What is the Regional Shoreline Adaptation Plan (RSAP)?

A region-wide plan for the Bay shoreline that guides the creation of coordinated, locallyplanned sea level rise adaptation actions that work together to meet regional goals.



OCEAN

COUNCIL

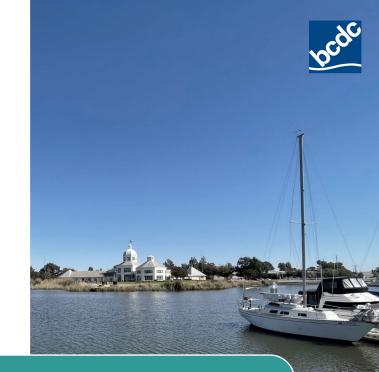
PROTECTION Coastal





New legislation to support sea level rise adaptation (SB 272)

- Statewide legislation passed into law on Oct 7, 2023
- Requires local jurisdictions to develop subregional resiliency plans and for BCDC to develop guidelines for which plans must follow
- Requires BCDC to review and approve or deny plans - based on consistency with guidelines
- Prioritizes State funding for plan creation and projects in approved plans



- ✓ Regional Preparation✓ Coordination
- Coordination
- Priorities and Funding

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



Funding Available SB1 Grant Funding

Where are we in developing the RSAP?



RSAP Mapping Platform



Regional Shoreline Adaptation Plan DRAFT

1. INTRODUCTION

- Why Adaptation Now?
- RSAP: The Bay's Answer to SLR Adaptation
- Driving Adaptation in the Region and State
- How is this Approach Based in Science?
- The Region's Approach to Adaptation

2. ONE BAY VISION FOR REGIONAL ADAPTATION

- What is the One Bay Vision?
- What are Strategic Regional Priorities
- Community Health and Wellbeing
- Ecosystem Health and Resilience
- Development, Housing, and Land USe
- Critical Infrastructure and Services
- Public Access and Recreation
- Transportation and Transit
- Shoreline Contamination
- Governance, Collaboration and Finance
- 3. DEVELOPING SUBREGIONAL SHORELINE ADAPTATION PLANS
 - Local Government Responsibilities
 - Submitting Plans and Getting Approval
 - Plan Development Resources

4. PLAN GUIDELINES

- Element A: Planning Process
- Element B: Existing Conditions
- Element C: Vulnerability Assessment
- Element D: Adaptation Pathways
- Element E: Land Use and Policy Plan
- Element F: Project Implementation Plan and Funding Strategy
- Element G: Project List
- 5. COMPLETE PLAN SUBMITTAL CHECKLIST

6. MINIMUM STANDARDS

- Coastal Flood Hazards and Sea Level Rise Scenarios
- Minimum Categories and Assets
- Equity Assessment
- Adaptation Strategy Standards
- 7. **RESOURCES**
- 8. GLOSSARY



San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan





1. INTRODUCTION

- Why Adaptation Now?
- RSAP: The Bay's Answer to SLR Adaptation
- Driving Adaptation in the Region and State
- How is this Approach Based in Science?
- The Region's Approach to Adaptation
- . ONE DAT VISION FOR REGIONAL ADAPTATION
 - What is the One Bay Vision?
 - What are Strategic Regional Priorities
 - Community Health and Wellbeing
 - Ecosystem Health and Resilience
 - Development, Housing, and Land USe
 - Critical Infrastructure and Services
 - Public Access and Recreation
 - Transportation and Transit
 - Shoreline Contamination
 - Governance, Collaboration and Finance
- 3. DEVELOPING SUBREGIONAL SHORELINE ADAPTATION PLANS
 - Local Government Responsibilities
 - Submitting Plans and Getting Approval
 - Plan Development Resources

PLAN GUIDELINES

- Element A: Planning Process
- Element B: Existing Conditions
- Element C: Vulnerability Assessment
- Element D: Adaptation Pathways
- Element E: Land Use and Policy Plan
- Element F: Project Implementation Plan and Funding Strategy
- Element G: Project List
- 5. COMPLETE PLAN SUBMITTAL CHECKLIST
- 6. MINIMUM STANDARDS
 - Coastal Flood Hazards and Sea Level Rise Scenarios
 - Minimum Categories and Assets
 - Equity Assessment
 - Adaptation Strategy Standards
- 7. **RESOURCES**
- 8. GLOSSARY



San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan





1. INTRODUCTION

- Why Adaptation Now?
- RSAP: The Bay's Answer to SLR Adaptation
- Driving Adaptation in the Region and State
- How is this Approach Based in Science?
 - The Pegian's Approach to Adaptation

2. ONE BAY VISION FOR REGIONAL ADAPTATION

- What is the One Bay Vision?
- What are Strategic Regional Priorities
- Community Health and Wellbeing
- Ecosystem Health and Resilience
- Development, Housing, and Land USe
- Critical Infrastructure and Services
- Public Access and Recreation
- Transportation and Transit
- Shoreline Contamination
- Governance, Collaboration and Finance

DEVELOPING SUBREGIONAL SHORELINE ADAPTATION

PLANS

- Local Government Responsibilities
- Submitting Plans and Getting Approval
- Plan Development Resources

4. PLAN GUIDELINES

- Element A: Planning Process
- Element B: Existing Conditions
- Element C: Vulnerability Assessment
- Element D: Adaptation Pathways
- Element E: Land Use and Policy Plar
- Element F: Project Implementation Plan and Funding Strategy
- Element G: Project List

5. COMPLETE PLAN SUBMITTAL CHECKLIST 5. MINIMUM STANDARDS

- Coastal Flood Hazards and Sea Level Rise Scenarios
- Minimum Categories and Assets
- Equity Assessment
- Adaptation Strategy Standards
- RESOURCES
- GLOSSARY

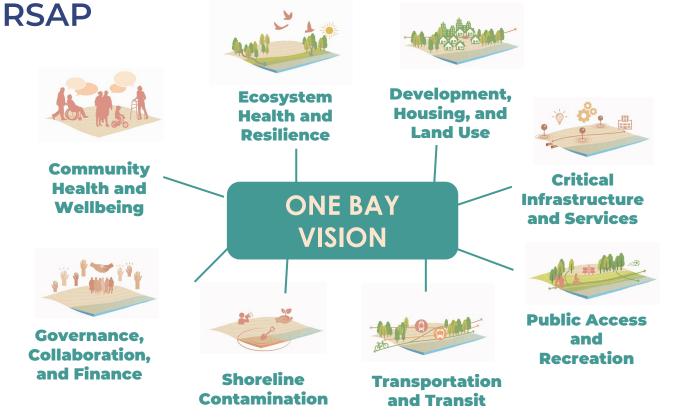


San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan





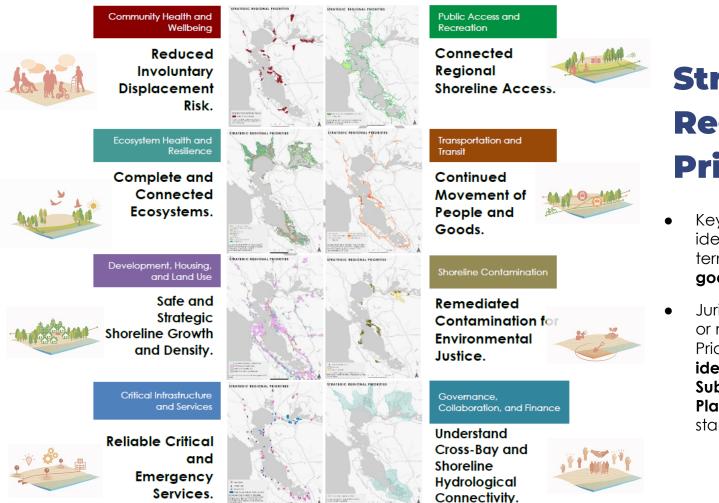
One Bay Vision – the Foundation for the







Read the One Bay Vision here!



Strategic Regional Priorities

- Key adaptation strategies identified to reach longterm regional adaptation goals.
- Jurisdictions containing one or more Strategic Regional Priority must incorporate the identified asset into their Subregional Adaptation Plans (via the guidelines and standards).



1. INTRODUCTION

- Why Adaptation Now?
- RSAP: The Bay's Answer to SLR Adaptation
- Driving Adaptation in the Region and State
- How is this Approach Based in Science?
- The Region's Approach to Adaptation

2. ONE BAY VISION FOR REGIONAL ADAPTATION

- What is the One Bay Vision?
- What are Strategic Regional Priorities
- Community Health and Wellbeing
- Ecosystem Health and Resilience
- Development, Housing, and Land USe
- Critical Infrastructure and Services
- Public Access and Recreation
- Transportation and Transit
- Shoreline Contamination
- Governance, Collaboration and Finance

3. DEVELOPING SUBREGIONAL SHORELINE ADAPTATION PLANS

- Local Government Responsibilities
- Submitting Plans and Getting Approval
- Plan Development Resources

4. PLAN GUIDELINES

- Element A: Planning Process
- Element B: Existing Conditions
- Element C: Vulnerability Assessment
- Element D: Adaptation Pathways
- Element E: Land Use and Policy Plan
- Element F: Project Implementation Plan and Funding Strategy
- Element G: Project List
- 5. COMPLETE PLAN SUBMITTAL CHECKLIST

6. MINIMUM STANDARDS

- Coastal Flood Hazards and Sea Level Rise Scenarios
- Minimum Categories and Assets
- Equity Assessment
- Adaptation Strategy Standards
- RESOURCES
- GLOSSARY



San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan







Developing Subregional Shoreline Adaptation Plans

County Plan

- Covers unincorporated parts of the county
- Coordinates and
 organizes local plans

Local Plans

 Jurisdictions may submit either a single jurisdiction local plan or partner with their neighbors to submit a multi-jurisdiction local plan

County Resilience Plan

Single Jurisdiction Local Plan (large or high capacity jurisdictions or those that already have a plan in place)

Multi-Jurisdiction Local Plan

(organized around OLU, shared landscape feature/shoreline reach, or to leverage additional capacity)

Subregional Shoreline Resiliency Plan



1. INTRODUCTION

- Why Adaptation Now?
- RSAP: The Bay's Answer to SLR Adaptation
- Driving Adaptation in the Region and State
- How is this Approach Based in Science?
- The Region's Approach to Adaptation

2. ONE BAY VISION FOR REGIONAL ADAPTATION

- What is the One Bay Vision?
- What are Strategic Regional Priorities
- Community Health and Wellbeing
- Ecosystem Health and Resilience
- Development, Housing, and Land USe
- Critical Infrastructure and Services
- Public Access and Recreation
- Transportation and Transit
- Shoreline Contamination
- Governance, Collaboration and Finance
- 3. DEVELOPING SUBREGIONAL SHORELINE ADAPTATION PLANS
 - Local Government Responsibilities
 - Submitting Plans and Getting Approval
 - Plan Development Resources

4. PLAN GUIDELINES

- Element A: Planning Process
- Element B: Existing Conditions
- Element C: Vulnerability Assessment
- Element D: Adaptation Pathways
- Element E: Land Use and Policy Plan
- Element F: Project Implementation Plan and Funding Strategy
- Element G: Project List
- 5. COMPLETE PLAN SUBMITTAL CHECKLIST

6. MINIMUM STANDARDS

- Coastal Flood Hazards and Sea Level Rise Scenarios
- Minimum Categories and Assets
- Equity Assessment
- Adaptation Strategy Standards
- GLOSSARY

DECOUDCES



San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan





Plan Guidelines and Min. Standards

Guidelines are organized by plan elements

Draft Plan Elements



Element B: Existing Conditions

Element A: Planning Process

Element C: Vulnerability Assessment

Element D: Adaptation Pathways

Element E: Land Use and Policy Plan

Element F: Implementation and Funding Plan

Element G: Project List

Minimum standards are referenced in the Plan Guidelines

Coastal Flood Hazards and Sea Level Rise Scenarios

Minimum Categories and Assets

Equity Assessment

Adaptation Strategy Standards



Plan Guidelines and Minimum Standards

SUBREGIONAL SHORELINE ADAPTATION PLANS

Element A: Planning Process

Plan Guidelines Element A: Planning Process

A1. List local and county plan partners, including jurisdictions, planning project team members, and affected parties.

- R A1-a. Plan Type. Describe type of plan (county, single jurisdiction, or multi-jurisdictional plan) and describe included jurisdiction(s).
 - For support on which jurisdictions may be planning partners within a shared Operational Landscape Unit, see the Online Mapping Platform.
- R A1-b. Planning Project Team. Describe who is involved in the planning team, including what areas of government and sectors are represented, how the project team includes diverse viewpoints that can help advance equity in the process and plan results, and the roles of Advisory Groups or key partners to support the project team, where applicable. Participation must include representatives from at least the following areas of expertise: local planning, public works, emergency management, public health, transportation, parks and recreation, and environment and sustainability, where applicable. Use the Equity Assessment to describe efforts towards equitable representation.
 - For additional guidance on developing your project team, see 7.1.1 Recommended Participants.
- R A1-c. Affected Parties. Describe other affected and interested parties in the plan area, including special districts; asset owners, operators, and managers; major landowners, industries, or businesses; neighborhoods, communities, and/or community groups; and environmental organizations, as applicable.
 - For additional guidance on who to engage in an adaptation planning process, see 7.1.1 Recommended Participants.
- A1-d. Staffing and Resources. Describe current resources, such as staffing, including roles and departments, budgets, and/or consultant support for sea level rise adaptation and/or flood hazard mitigation. This may include internal and external (public or private) resources.

Guidelines describe what needs to be in the plan.

Each sub-guideline provides details to achieve that guideline and has a submittal requirement attached.



Plan Guidelines and Minimum Standards

SUBREGIONAL SHORELINE ADAPTATION PLANS

	leme	nt A: Planning Process						
Plan Guidelines Element A: Planning Process								
		l and county plan partners, including jurisdictions, planning project team nd affected parties.						
R	Al-a.	 Plan Type. Describe type of plan (county, single jurisdiction, or multi-jurisdictional plan) and describe included jurisdiction(s). For support on which jurisdictions may be planning partners within a shared Operational Landscape Unit, see the Online Mapping Platform. 						
R	A1-b.	Planning Project Team. Describe who is involved in the planning team, including what areas of government and sectors are represented, how the project team includes diverse viewpoints that can help advance equity in the process and plan results, and the roles of Advisory Groups or key partners to support the project team, where applicable. Participation must include representatives from at least the following areas of expertise: local planning, public works, emergency management, public health, transportation, parks and recreation, and environment and sustainability, where applicable. Use the Equity Assessment to describe efforts towards equitable representation. • For additional guidance on developing your project team, see 7.1.1 Recommended Participants.						
R	Al-c.	 Affected Parties. Describe other affected and interested parties in the plan area, including special districts; asset owners, operators, and managers; major landowners, industries, or businesses; neighborhoods, communities, and/or community groups; and environmental organizations, as applicable. For additional guidance on who to engage in an adaptation planning process, see 7.1.1 Recommended Participants. 						
	Al-d.	Staffing and Resources. Describe current resources, such as staffing, including roles and departments, budgets, and/or consultant support for sea level rise adaptation and/or flood hazard mitigation. This may include internal and external (public or private) resources.						

Min standards direct to requirements for specific data to use to ensure consistency in planning and outcomes that achieve the One Bay Vision



5. Complete Plan Submittal Checklist

Subregional Shoreline Adaptation Plans must be submitted to BCDC for plan review for consistency with the Plan Guidelines by January 1, 2034. Jurisdictions must submit the following checklist as part of their plan submittal.

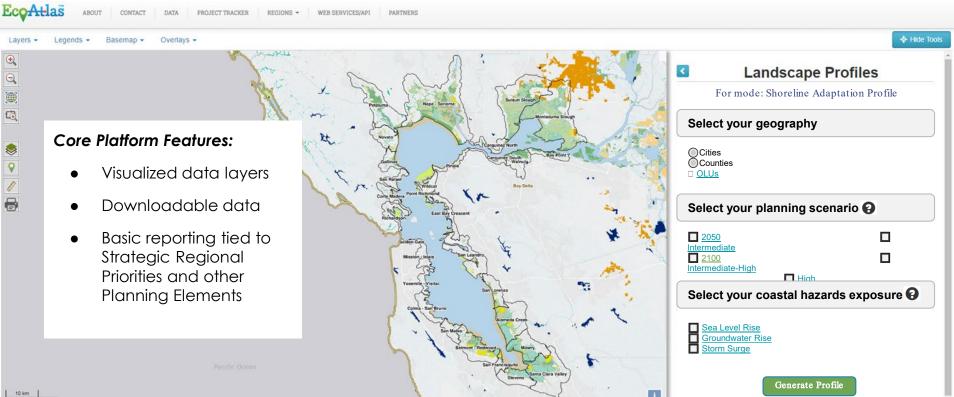
Guideline		Sub-Guideline	Submittal	R	inclu ded	N/A
			Element A: Planning Process			
	A1-a.	Plan Type	Description of plan type and included jurisdiction(s).	R		
A1.	A1-b.	Planning Project Team	List and description of planning team.	R		
	A1-c.	Affected Parties	List of impacted parties.	R		
	A1-d.	Staffing and Resources	Description of current resources available for adaptation planning and implementation.			
A2.	A2-a.	Planning Area	Map with boundaries of plan area.	R		
A3.	A3-a.	Multi-Jurisdictional Coordination	Description of multi-jurisdictional and county coordination.	R		
A3.	АЗ-Ь.	State Agency Coordination	Description of regional and state coordination.			
	A4-a.	Vulnerable Community Identification	Definitions and locations of Environmental Justice and socially vulnerable communities.	R		
A4.	A4-b.	Outreach and Engagement	Summary of equitable outreach and engagement efforts, and responses in the Equity Assessment.	R		
	A1-c.	Community Partnerships	Community partnership agreements.			
		l	Element B: Existing Conditions			
	B1-a.	General and Specific Plans	Summary of how coastal flooding hazards are referenced and addressed in general and land use plans.	R		
	в1-ь.	Hazard and Emergency Plans	Summary of how coastal flooding hazards are referenced and addressed in hazard and emergency plans.	R		
B1.	B1-C.	Codes and Regulations	Summary of how coastal flooding hazards are referenced and addressed in codes and regulations.	R		
	81-d.	Climate and Resilience Plans	Summary of how coastal flooding hazards are referenced and addressed in climate and resilience plans.	R		
	в1-е.	Sector and Issue Plans	Summary of how coastal flooding hazards are referenced and addressed in sector and issue area plans.			
	в1-f.	Existing Barriers	Summary of known barriers in existing plans and policies.			

Plan Submittal Checklist



RSAP Mapping Platform

Developing an online mapping platform to access, share, and track regional progress



THEMATIC BREAKOUTS - ROUNDS 1 & 2: Exploring Different Aspects of the RSAP Project

Breakout Groups - Round 1

Choose 1... 30 minutes in one session. (There will be a second round.)



Local Planning: Multi-Jurisdictional Planning and Plan Integration



Meaningful Engagement:

Equity Assessment and Outreach in Planning



Vulnerability Assessment: Flood Hazards and Minimum Assets

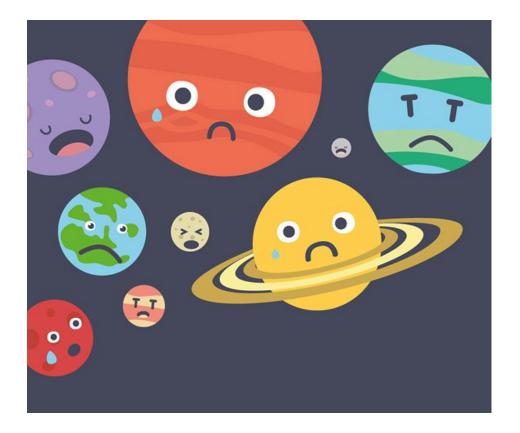




Adaptation Strategies: Land Use and Adaptation Strategy Standards



BREAK PLEASE RETURN AT <u>10:40 PM</u>



Bringing everyone back to the room!

Put your answer to this visual pun in the chat.



Breakout Groups - Round 2

Choose 1... 30 minutes in one session.



Local Planning: Multi-Jurisdictional Planning and Plan Integration



Meaningful Engagement:

Equity Assessment and Outreach in Planning



Vulnerability Assessment: Flood Hazards and Minimum Assets

1 . An anecouter





Adaptation Strategies: Land Use and Adaptation Strategy Standards



Questions or Comments from the Thematic Breakout Groups?

Breakout Groups - Round 3

Choose 1... 30 minutes in one session.







San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan

Technical and Policy Assistance: Shaping BCDC's Future Program



Funding Plans and Projects: Learn about State Funding Available





Wrap Up and Next Steps

What are your closing thoughts?

- 5. Based on what you've heard, what are you looking forward to or excited about?
- 6. What are you most concerned about?

menti.com CODE 8484 6646





Next Steps - RSAP Drafts

• Review period for Draft #2 closes July 24, 2024

- Preference for feedback to be received through a comment letter - send to Jackie at <u>Jaclyn.Perrin-Martinez@bcdc.ca.gov</u>
- Developing RSAP Draft #3 for Public Comment (Jul-Sep)
 - Public comment period anticipated for a four-week period from September 23 - October 17, 2024
 - BCDC will provide a response to all comments
- Final RSAP for BCDC Vote and Possible Adoption (Oct-Nov)
 - Mailing of the final report anticipated late November for a December 4, 2024 BCDC Commission Vote and possible Adoption

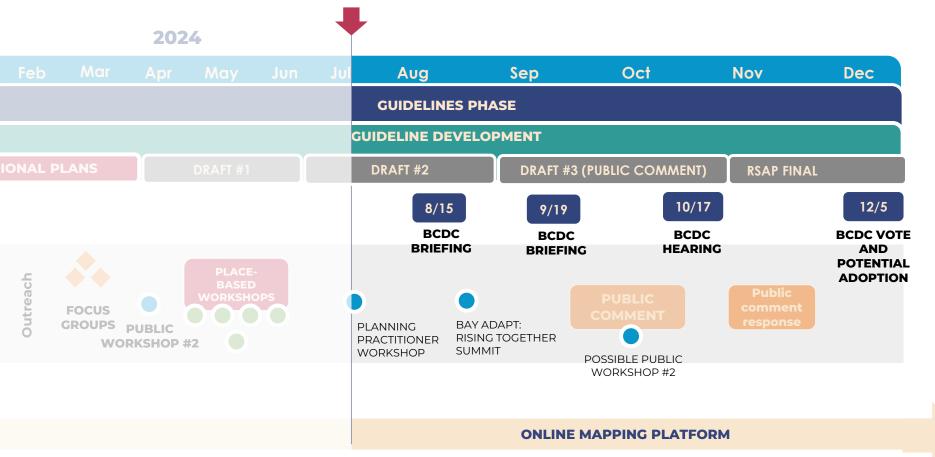


San Francisco Bay Conservation and Development Commission (BCDC) Regional Shoreline Adaptation Plan





RSAP Project Timeline





Learn more about the <u>Regional</u> <u>Shoreline Adaptation Plan</u> (RSAP) at www.BayAdapt.org

And sign up for RSAP Email Updates <u>here</u>



THANK YOU!

Jaclyn Perrin-Martinez Senior Climate Adaptation Planner Jaclyn.perrin-martinez@bcdc.ca.gov



