

# Meeting Agenda - Final

375 Beale Street Suite 700 San Francisco, California 94105

Chair, Jesse Arreguin, Mayor, City of Berkeley Vice Chair, Zach Wasserman, SF Bay Conservation and

**Bay Area Regional Collaborative** 

Friday, June 2, 2023 10:00 AM Board Room - 1st Floor

**Development Commission** 

### **Special Meeting**

This meeting shall consist of a simultaneous teleconference call at the following location(s):

Napa County Administration Building, CEO Office – 1195 Third Street, Suite 310, Napa, CA 94559

Scott Haggerty Heritage House, 4501 Pleasanton Ave, Pleasanton, CA 94566

A Zoom panelist link for meeting participants will be sent separately to Committee members.

Meeting attendees may opt to attend in person for public comment and observation at 375

Beale Street, Board Room (1st Floor). In-person attendees must adhere to posted public health protocols while in the building. The meeting webcast will be available at:

https://barc.ca.gov/whats-happening/meetings/live-webcast. Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Committee members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial "\*9". In order to get the full Zoom experience, please make sure your application is up to date.

Attendee Link: https://bayareametro.zoom.us/j/83307454508

Or One tap mobile: US: +13462487799,,82642783666# or +14086380968,,82642783666#

Join by Telephone: (for higher quality, dial a number based on your current location):

US: 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

788 0099 (Toll Free) or 877 853 5247 (Toll Free Webinar ID: 833 0745 4508

International numbers available: https://bayareametro.zoom.us/u/kborLDDAUo SIP: 83307454508@zoomcrc.com

Detailed instructions on participating via Zoom are available at: https://abag.ca.gov/zoom-information

Members of the public may participate by phone or Zoom or may submit comments by email at info@bayaremetro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item in the subject line.

The BARC Governing Board may act on any item on the agenda.

The meeting is scheduled to begin at 10:00 a.m.

Agenda, roster, and webcast available at https://barc.ca.gov

For information, contact Clerk of the Board at (415) 778-5218.

#### **Governing Board Members**

ABAG—Jesse Arreguin, David Hudson, David Rabbitt, Belia Ramos BAAQMD—David Haubert, Mark Ross, Margaret Abe-Koga BCDC—John Gioia, Dave Pine, Zack Wasserman, Rebecca Eisen MTC—Alfredo Pedroza, Jim Spering, Eddie Ahn, Sue Noack

- 1. Call to Order / Roll Call / Confirm Quorum
- 2. Governing Board Member Announcements
- 3. Chair's Report

**3.a** <u>23-0831</u> Chair's Report for June 2, 2023

Action: Informational"

Presenter: Chair Arreguin

#### 4. Consent Calendar

4.a 23-0832 Approving the Minutes for of the March 17, 2023 BARC Governing Board

Action: Approval

Presenter: Clerk of the Board

Attachments: BARC GB Minutes 20230317 Draft.pdf

**4.b** <u>23-0833</u> BARC Draft Fiscal Year 2023-2024 Budget

<u>Action:</u> Approval

<u>Presenter:</u> Allison Brooks

Attachments: Item 4.b Draft BARC FY24 Budget Memo Budget Comparison 05 19 23 Mem

#### 5. BARC Member Agency Executive Director Updates

**5.a** 23-0834 San Francisco Bay Conservation and Development Commission report for

May 19, 2023

Action: Information

<u>Presenter:</u> Larry Goldzband

5.b <u>23-0835</u> Bay Area Air Quality Management District

Action: Information
Presenter: Phil M. Fine

**5.c** 23-0836 San Francisco Bay Regional Water Quality Control Board

Action: Information

Presenter: Eileen White

**5.d** 23-0837 Association of Bay Area Governments and Metropolitan Transportation

Commission

Action: Information

Presenter: Andrew Fremier

**5.e** <u>23-0838</u> California State Coastal Conservancy

<u>Action:</u> Information
<u>Presenter:</u> Amy Hutzel

## 6. BARC Executive Directors Update

**6.a** 23-0839 Report from BARC's Executive Director

Action: Information

Presenter: Allison Brooks

### 7. Systems Mapping Project

7.a 23-0840 Presentation and Discussion of Preliminary Systems Maps and Emerging

Questions

Action: Information

<u>Presenter:</u> Matt Chadsey, Non-Linear Ventures, Shelley Jiang, AECOM, Josh Bradt

and Allison Brooks, BARC

Attachments: Item 7.a BARC GB Systems Mapping Project Update Memo 05 19 23.pdf

Item 7.a BARC Governing Board Slides 5.19 Presentation.pdf

#### 8. Public Comment

### 9. Meeting Adjournment

The next meeting of the BARC Governing Board will be on July 21, 2023 at 10:00 a.m.

The Governing Board may take action on any item listed in the agenda.

This meeting is scheduled to end promptly at 12:00 p.m. Agenda items not considered by that time may be deferred.

The public is encouraged to comment on agenda items by completing a request-to-speak card and giving it to BARC staff or the chairperson.

Although a quorum of the Governing Board may be in attendance at this meeting, the Governing Board may take action only on those matters delegated to it. The Governing Board may not take any action as the Bay Area Regional Collaborative Governing Board unless this meeting has been previously noticed as a Bay Area Regional Collaborative Governing Board meeting.

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

Informational

File #: 23-0831

Version: 1 Name:

Type: Report Status:

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: Chair's Report for June 2, 2023

Sponsors:

Indexes:

Code sections:
Attachments:

Date Ver. Action By Action Result

Subject:

Chair's Report for June 2, 2023

Presenter:

Chair Arreguin

**Recommended Action:** 

Informational"

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

File #: 23-0832 Version: 1 Name:

Type: Minutes Status: Consent

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: Approving the Minutes for of the March 17, 2023 BARC Governing Board

Sponsors:

Indexes:

Code sections:

Attachments: BARC GB Minutes 20230317 Draft.pdf

Date Ver. Action By Action Result

## Subject:

Approving the Minutes for of the March 17, 2023 BARC Governing Board

#### Presenter:

Clerk of the Board

### **Recommended Action:**

Approval



## **Meeting Minutes - Draft**

375 Beale Street Suite 700 San Francisco, California 94105

## **Bay Area Regional Collaborative**

Chair, Jesse Arreguin, Mayor, City of Berkeley Vice Chair, Vacant

Friday, March 17, 2023

10:00 AM

**Hybrid (In-Person Option Available)** 

This meeting shall consist of a simultaneous teleconference call at the following location(s):

Napa County Administration Building, 1195 Third Street, Suite 310-Crystal Conference Room,
Napa, CA 94559

Contra Costa Board of Supervisors Building, 11780 San Pablo Ave., Suite D, El Cerrito, CA 94530

Scott Haggerty Heritage House, 4501 Pleasanton Ave, Pleasanton, CA 94566

A Zoom panelist link for meeting participants will be sent separately to Committee members.

Meeting attendees may opt to attend in person for public comment and observation at 375

Beale Street, Board Room (1st Floor). In-person attendees must adhere to posted public health protocols while in the building. The meeting webcast will be available at:

https://barc.ca.gov/whats-happening/meetings/live-webcast. Members of the public are encouraged to participate remotely via Zoom at the following link or phone number. Committee members and members of the public participating by Zoom wishing to speak should use the "raise hand" feature or dial "\*9". In order to get the full Zoom experience, please make sure your application is up to date.

Attendee Link: https://bayareametro.zoom.us/j/82642783666

Or One tap mobile: US: +13462487799,,82642783666# or +14086380968,,82642783666#

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Members of the public may participate by phone or Zoom or may submit comments by email at info@bayaremetro.gov by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item in the subject line.

Page 1 Printed on 4/7/2023

The BARC Governing Board may act on any item on the agenda.

The meeting is scheduled to begin at 10:00 a.m.

Agenda, roster, and webcast available at https://barc.ca.gov

For information, contact Clerk of the Board at (415) 778-5218.

#### **Governing Board Members**

ABAG—Jesse Arreguin, David Hudson, David Rabbitt, Belia Ramos BAAQMD—David Haubert, John J. Bauters, Mark Ross BCDC—John Gioia, Dave Pine, Zack Wasserman, Rebecca Eisen MTC—Alfredo Pedroza, Jim Spering

#### 1. Call to Order / Roll Call / Confirm Quorum

Vice Chair Arreguin called the meeting to order at 10:05 a.m. Quorum was achieved at 10:06 a.m

Present: 7 - Arreguin, Gioia, Ramos, Ross, Spering, Wasserman, and Eisen

Absent: 6 - Bauters, Haubert, Hudson, Pedroza, Pine, and Rabbitt

#### 2. Governing Board Member Announcements

There were no Governing Board Member Announcements

## 3. Chair's Report

3.a 23-0331 Chair's Report for March 17, 2023

There was no Chair's Report

### 4. Consent Calendar

4.a 23-0332 Approving of the Minutes of the January 17, 2023 BARC Governing Board

Upon the motion by Arreguin and the second by Wasserman the Consent Calendar was approved. The motion passed by the following vote:

Ave: 7 - Arreguin, Gioia, Ramos, Ross, Spering, Wasserman and Eisen

Absent: 6 - Bauters, Haubert, Hudson, Pedroza, Pine and Rabbitt

**4.b** Appointment of the Vice Chair to the BARC Governing Board for the term 2023-2025

Upon the motion by Ramos and the second by Spering the appointment of Board Member Zack Wasserman to Vice Chair of the BARC Governing Board was approved.. The motion passed by the following vote:

Aye: 7 - Arreguin, Gioia, Ramos, Ross, Spering, Wasserman and Eisen

Absent: 6 - Bauters, Haubert, Hudson, Pedroza, Pine and Rabbitt

## 5. BARC Member Agency Executive Director Updates

		Jessica Fain gave the report.
5.d	<u>23-0338</u>	San Francisco Bay Conservation and Development Commission
5.c	<u>23-0336</u>	Association of Bay Area Governments and Metropolitan Transportation
5.b	<u>23-0335</u>	San Francisco Bay Regional Water Quality Control Board
5.a	<u>23-0334</u>	Bay Area Air Quality Management District report for March 17, 2023

## 6. BARC Executive Directors Update

6.a <u>23-0339</u> Report from the BARC Executive Director

Allison Brooks gave the report.

## 7. Presentation by ABAG/MTC & BCDC

Rachael Hartofelis and Dana Brechwald gave the report.

7.a 23-0340 Sea Level Rise Funding and Investment Framework Final PresentationKate Hartley gave the report.

### 8. Presentation by BAHFA

8.a 23-0333 Overview of Bay Area Housing Finance Authority (BAHFA) and Regional Funding
Measure

### 9. Public Comment

Joe gave public comment

## 10. Adjournment/Next Meeting

The meeting was adjourned at 11:43 a.m.

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

File #: 23-0833 Version: 1 Name:

Type: Action Item Status: Consent

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: BARC Draft Fiscal Year 2023-2024 Budget

Sponsors:

Indexes:

**Code sections:** 

Attachments: Item 4.b Draft BARC FY24 Budget Memo Budget Comparison 05 19 23 Memo.pdf

Date Ver. Action By Action Result

Subject:

BARC Draft Fiscal Year 2023-2024 Budget

Presenter:

Allison Brooks

**Recommended Action:** 

Approval



**DATE:** May 19, 2023

**TO:** BARC Governing Board

FROM: Allison Brooks, BARC Executive Director

**RE:** Draft BARC Budget for Fiscal Year 2024

The proposed Draft BARC Budget for Fiscal Year 2024 (FY24) is being presented to the BARC Governing Board for approval. Final approval is contingent on the budget contributions by the Association of Bay Area Governments (ABAG), the Bay Area Air Quality Management District (BAAQMD) and Metropolitan Transportation Commission (MTC) being approved by their respective governing bodies.

The Draft BARC FY24 Budget has increased by \$43,847 in comparison to the approved FY23 budget. This adjustment is largely based on increases to staffing and overhead costs. BARC staff is proposing keeping expenses associated with consultant support and general operating largely consistent with the FY23 budget. These resources will be used to continue to deliver outcomes related to the BARC Shared Work Plan. BARC staff will provide a completed budget vs. actuals report for FY23 to the BARC Governing Board once those numbers are finalized.

## BARC 3-Year Operational Budget Comparison Fiscal Years 2022, 2023, 2024 (Draft)

		FY22		FY23		FY24 (Draft)	NOTES		
Salary + Benefits + Overhead (MTC)		738,134.00	\$	782,459	\$	829,327.51	Executive Director, Program Coordinator, Part-time Admin (2.4 person month)		
Subtotals	\$	738,134.00	\$	782,459.00	\$	829,327.51			
General Operations		50,500	\$	36,000	\$	26,500	Travel, training, membership, events		
Subtotals	\$	50,500	\$	36,000	\$	26,500			
Contingency	\$	126,000	\$	400,000	\$	406,478	Consultants to support shared work plan + communications		
Subtotals	\$	126,000	\$	400,000	\$	406,478			
Totals	\$	925,688	\$	1,218,459	\$	1,262,306			
AGENCY CONTRIBUTIONS									
MTC Total (35% = )	\$	323,984		\$426,460.65		\$441,806.93			
BAAQMD Total (35% = )	\$	138,850		\$426,460.65		\$441,806.93			
ABAG total (15% =)	\$	323,984		\$182,768.85		\$189,345.83			
BCDC Total (15% = )	\$	138,850		\$182,768.85		\$189,345.83			
TOTALS	\$	925,668	\$	1,218,459	\$	1,262,306			

375 Beale Street, Suite 800 San Francisco, CA 94105

Legislation Details (With Text)

File #: 23-0834 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: San Francisco Bay Conservation and Development Commission report for May 19, 2023

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

## Subject:

San Francisco Bay Conservation and Development Commission report for May 19, 2023

#### Presenter:

Larry Goldzband

### **Recommended Action:**

375 Beale Street, Suite 800 San Francisco, CA 94105

Legislation Details (With Text)

File #: 23-0835 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: Bay Area Air Quality Management District

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

Subject:

Bay Area Air Quality Management District

Presenter:

Phil M. Fine

**Recommended Action:** 

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

File #: 23-0836 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: San Francisco Bay Regional Water Quality Control Board

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

Subject:

San Francisco Bay Regional Water Quality Control Board

Presenter:

Eileen White

**Recommended Action:** 

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

File #: 23-0837 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: Association of Bay Area Governments and Metropolitan Transportation Commission

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

## Subject:

Association of Bay Area Governments and Metropolitan Transportation Commission

#### Presenter:

**Andrew Fremier** 

## **Recommended Action:**

375 Beale Street, Suite 800 San Francisco, CA 94105

Legislation Details (With Text)

File #: 23-0838 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: California State Coastal Conservancy

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

Subject:

California State Coastal Conservancy

Presenter:

Amy Hutzel

**Recommended Action:** 

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

File #: 23-0839 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: Report from BARC's Executive Director

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

Subject:

Report from BARC's Executive Director

Presenter:

Allison Brooks

**Recommended Action:** 

375 Beale Street, Suite 800 San Francisco, CA 94105

## Legislation Details (With Text)

File #: 23-0840 Version: 1 Name:

Type: Report Status: Informational

File created: 5/24/2023 In control: Bay Area Regional Collaborative

On agenda: 6/2/2023 Final action:

Title: Presentation and Discussion of Preliminary Systems Maps and Emerging Questions

Sponsors:

Indexes:

Code sections:

Attachments: Item 7.a BARC GB Systems Mapping Project Update Memo 05 19 23.pdf

Item 7.a BARC Governing Board Slides 5.19 Presentation.pdf

Date Ver. Action By Action Result

### Subject:

Presentation and Discussion of Preliminary Systems Maps and Emerging Questions

#### Presenter:

Matt Chadsey, Non-Linear Ventures, Shelley Jiang, AECOM, Josh Bradt and Allison Brooks, BARC **Recommended Action:** 



**DATE:** May 19, 2023

**TO:** BARC Governing Board

FROM: Allison Brooks, BARC Executive Director

**RE:** BARC Systems Mapping Project Update

Over the past several months, BARC has worked with its consultant team of AECOM, Non-Linear Ventures, and the Bay Area Climate Adaptation Network (BayCAN) to conduct Systems Analyses of Regional Agencies' existing efforts in the Climate Adaptation and Resilience and high-level assessment of associated Technical Assistance programs. The goal is to understand the drivers, scope, and breadth of each BARC members agency's roles and responsibilities in the field of climate adaptation, how these efforts relate to each other, and how they intersect with other levels of government (federal, state, local) and communities under increasing threat of climate hazards. When this project is complete, we will have a more comprehensive understanding of how the current regional climate adaptation "system" is operating, identifying gaps, overlaps and specific areas of improvement that can be addressed through the development of a Regional Multi-Hazed Adaptation Plan and a Climate Adaptation Technical Assistance Program (Initiatives 1 and 2, respectively, of the BARC Shared Work Plan, approved May 2022) in partnership with many stakeholders invested in climate adaptation across the region.

The project team has conducted desktop research of each BARC member agency to catalogue key climate adaptation legislative mandates, policies, planning documents, and programs. Subsequent interviews with key management and program staff verified, added, and contextualized this research to get a fuller picture of what is currently being done within each agency. The team created draft systems maps by agency and by climate hazard, that illustrate existing activities and relationships, or lack thereof. Some of those maps will be presented to the BARC Governing Board at our meeting on May 19, 2023.

Out of the in-depth systems analyses have emerged some observations and learnings that will help the BARC member agencies and our myriad partners discern where we can best focus our efforts to overcome obstacles to progress and work through tensions points that need more careful attention in order to help foster a high functioning climate adaptation system. The project team will return to the Government Board in July with its draft final report and next steps.



# Regional Climate Change Adaptation Systems Mapping



**BARC Governing Board Meeting** 

May 19, 2023

**AECOM and Nonlinear Ventures** 



# Agenda

- 01 Project Objectives & Approach
- 02 Case Studies & Regional Maps
- 03 Emerging Observations
- 04 Next Steps & Discussion





# Project Overview & Objectives



## Climate Adaptation in the Bay Area

## Climate Hazards

Major climate hazards already impacting the Bay Area include:



Drought



Inland flooding



Extreme heat



Coastal flooding



Wildfire



Water quality



Air quality

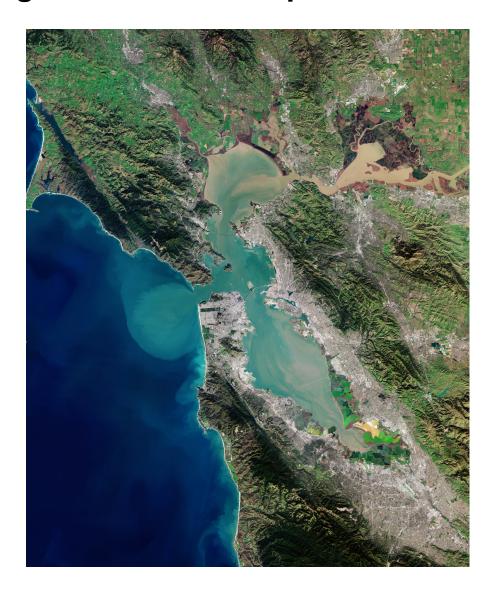
## **Climate Adaptation**

"Adjustments in ecological, social or economic systems in response to actual or expected climatic stimuli and their effects. It refers to changes in processes, practices, and structures to moderate potential damages or to benefit from opportunities associated with climate change."

Source: United Nations Framework Convention on Climate Change



## **Regionalism and Adaptation**



"The region is the one that has the big picture. We see the patterns, we see the commonalities, we see the things that go wrong when people don't see the big picture. We see the cascading impacts and the unintended consequences, and it's our job to understand those, make those known, and set the standards that can prevent them from happening."

BARC member agency interview with AECOM



## **Project Objectives**



**Map the Existing System** 

Delineate how BARC member agencies and state and federal partners currently address climate resilience and adaptation



Identify Challenges & Opportunities

Identify gaps, overlaps, and areas for improvement to support regional adaptation planning and implementation



**Lay the Groundwork** 

Consider next steps to help advance adaptation planning and technical assistance in the region



Heidi Nutters\*

Aleka Seville

Arena Flores

## **Engagement Process – Regional Agencies & Stakeholders**

## **BARC PMT Meetings**

Overall project direction and feedback. PMT members are denoted with a star (\*) below.

## **Interviews & Systems Maps Review**

Discussions with staff including Program Directors, Program Managers, and Planners, about each agency's climate adaptation work:

MTC/ABAG	BAAQMD	scc	SF Bay WB	Caltrans D4	BCDC
Ashley Nguyen Caitlin Sweeney* Dave Vautin Georgia Dohrmann* Stefanie Hom* Jeanette Weisman Rachael Hartofelis*	<ul> <li>Wendy Goodfriend</li> <li>Abby Young</li> <li>Jamesine Gibson Rogers*</li> <li>Judith Cutino</li> <li>Ranvee Chiang</li> </ul>	<ul><li>Jessica Davenport*</li><li>Evyan Sloane</li></ul>	<ul> <li>Lisa Horowitz         McCann*</li> <li>Xavier Melanson-         Fernandez</li> <li>Setenay Bozkurt-         Frucht</li> </ul>	<ul><li>Tanzeeba Kishwar</li><li>Erik Alm*</li><li>Vishal Ream-Rao*</li><li>Ellen Doudna</li></ul>	<ul> <li>Jessica Fain</li> <li>Dana Brechwald*</li> <li>Eric Buehmann</li> <li>Ethan Lavine</li> <li>Jackie Mandoske*</li> <li>Dan Hossfeld</li> </ul>

## **BARC Executive Director and Governing Board Meetings**

Guidance & input on process and findings.

## Technical Assistance-Focused Stakeholder Engagement





## **Engagement Process – Federal and State Agencies**





















## **Key Progress to Date**

(1)

Documented climate adaptation actions being undertaken by regional, state, and federal agencies

(2)

Catalogued and diagrammed each BARC member agency's guiding strategies, research and planning, programs, and relationships on climate adaptation.

	Federal	State	Regional
Facilitate	67	167	81
Research	59	105	23
Plan	22	90	40
Finance	29	54	12
Formalize	23	49	16
Implement	11	35	19





# Case Studies and Regional Maps

We will now move to Plectica to explore a selection of the systems maps developed for this project



## **Systems Mapping**

Understand in detail how adaptation is happening in the region today based on interviews and research.



**Process Input and Coordination** 

**Research and Monitoring** 

**Planning and Best Practices** 

## **Adaptation Funding**

**Fundraising** 

**Fund Allocation** 

## **Action Deployment**

**Project Implementation** 

**Project Related Technical Assistance** 

**Permitting and Regulation** 





# Observations



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## Regional adaptation activity varies greatly by climate hazard

	Coastal Flooding	Inland Flooding	Wildfire	Heat	Drought
BAAQMD					
BCDC					
Caltrans D4					
MTC/ABAG					
State Coastal Conservancy					
SF Bay Water Board					
Primary adaptation focus		Secondary adaptation focus			



# Existing adaptation efforts are often piecemeal, despite substantial coordination



Agency adaptation efforts are limited by their authorities and jurisdictional boundaries.



Available resources, grant cycles, and funding drive much of current adaptation efforts – not strategic planning and needs on the ground.



With limited capacity and resources, agencies are often in emergency management mode in responding to climate hazards.



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## Barriers to scaling up adaptation planning and implementation



Inherent uncertainty
about the scale and
timing of climate impacts
leads to uncertainty
about the sequencing,
timing, and prioritization
of adaptation actions



Agencies, partners, communities face a lack of capacity and expertise.



The current adaptation funding system is not designed to deliver funding equitably and effectively at the scale we need.

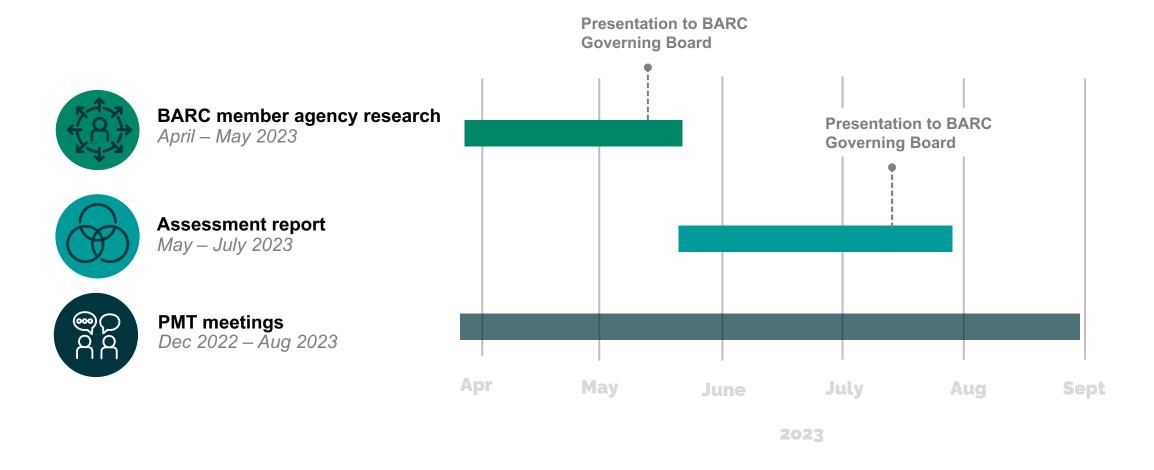




# Next Steps & Discussion



## **Next Steps**



## Questions to Consider for a Regional Multi-Hazard Adaptation Plan

1. Should there be regional coordination and leadership for every climate hazard? How can the region work together to address extreme heat, drought, or wildfire?

2. Where can regional agencies bring the greatest value in advancing adaptation?

- 3. How can we **balance the tension** between:
- · The need to rapidly increase the scale and speed of adaptation efforts; and
- The time and resources necessary for an inclusive community-based planning process and the imperative to address equity?





# Questions and Discussion





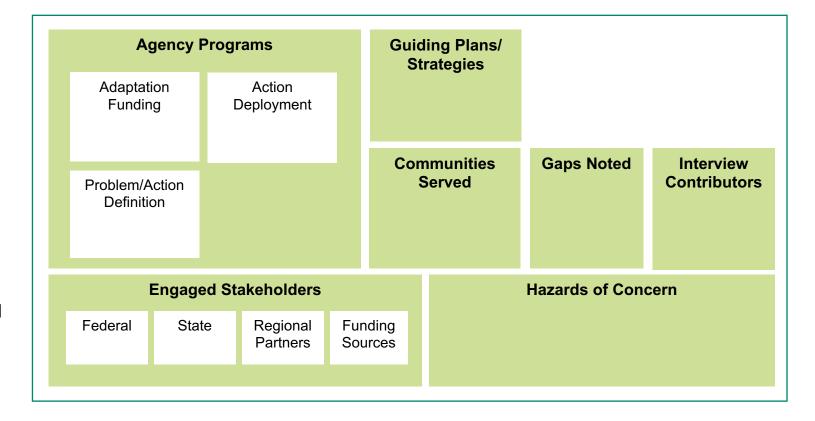
# Appendix



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## **Agency Map Layout**

- □ Agency Programs: Only adaptation programs are included here, not mitigation programs or general operations.
- ☐ Guiding Plans: Key documents that inform adaptation strategy and implementation. The list is not intended to be comprehensive.
- ☐ Communities Served: Primary audiences of each program, with the understanding that most programs touch most audiences in some way.
- ☐ Gaps: Gaps raised during agency interviews.
- Engaged Stakeholders: An agency's relationships, including funders, collaborators, and regulators, etc. Specific links are illustrated with a colored dot when known. County/municipal stakeholders are generalized due to the number involved.
- □ Hazards of Concern: Primary hazards are indicated with a thick arrow. Other hazards considered have a thin arrow.





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## **Regional Agency Systems Maps**

System maps of each of the regional agencies are linked below. You do not need a Plectica account (free) to view.

- BAAQMD
- BCDC
- Caltrans D4
- MTC-ABAG
- MTC-ABAG SFEP
- SCC
- SF Bay Water Board

