

BAY ADAPT

REGIONAL STRATEGY FOR A RISING BAY

Financing the Future/Rising Sea Level Commissioner Working Group

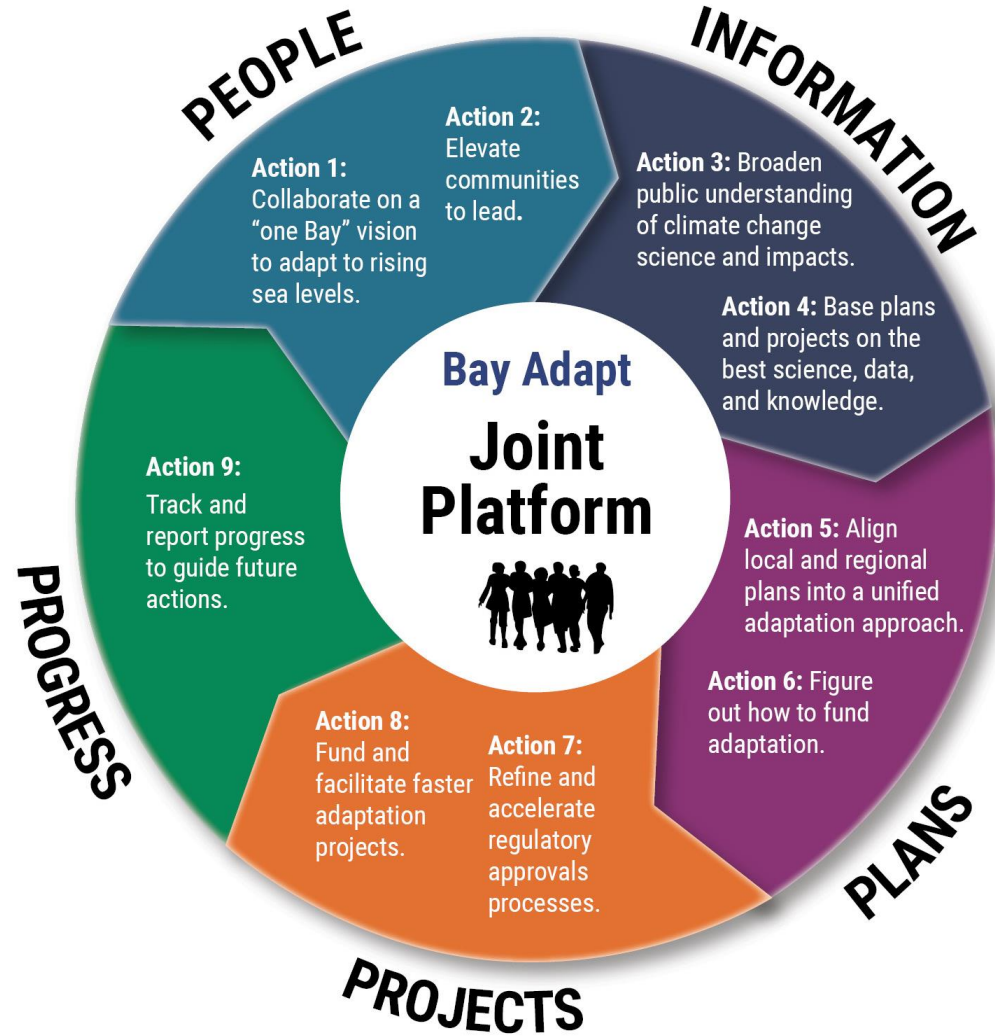
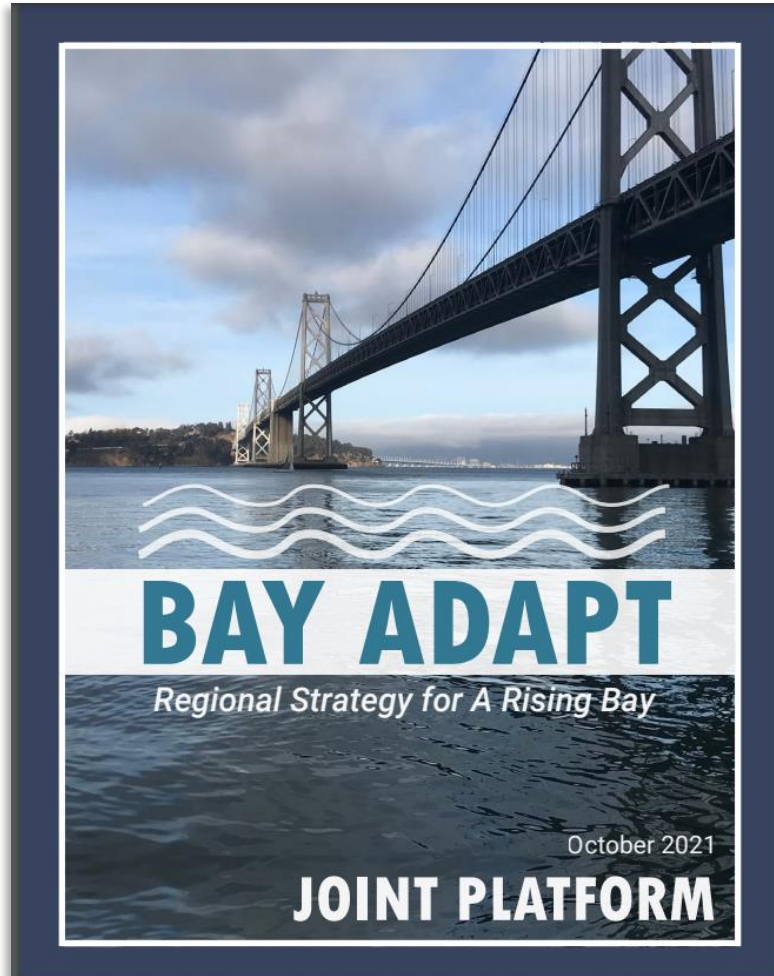
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Bay Adapt **Joint Platform**



BCDC **Strategic Plan**

1

Lead regional **planning efforts** that result in successful and equitable adaptation, restoration, development, and public access projects for the Bay Area in light of rising sea levels.

2

Improve BCDC's **regulatory and planning functions** to create a more unified and consistent regional-scale approach to managing the Bay and its shoreline in light of the uncertain future caused by rising sea levels.

- Goal 2.1 Determine whether and how BCDC's regulatory and planning authority and jurisdiction should be expanded to foster larger scale adaptation efforts.

BCDC's Climate Policies

AB 2094 Section 66646.2 (2008)

The San Francisco Bay Conservation and Development Commission, in coordination with local governments, regional councils of government, and other agencies and interested parties, **may develop regional strategies, as needed, for addressing the impacts of, and adapting to, the effects of sea level rise** and other impacts of global climate change on the San Francisco Bay and affected shoreline areas.

BCDC Climate Change Policies Policy 6 (2011)

The Commission...should **formulate a regional sea level rise adaptation strategy** for protecting critical developed shoreline areas and natural ecosystems, enhancing the resilience of Bay and shoreline systems and increasing their adaptive capacity.

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)

- **\$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 needs¹

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 total water level are protected

The estimate does not include:

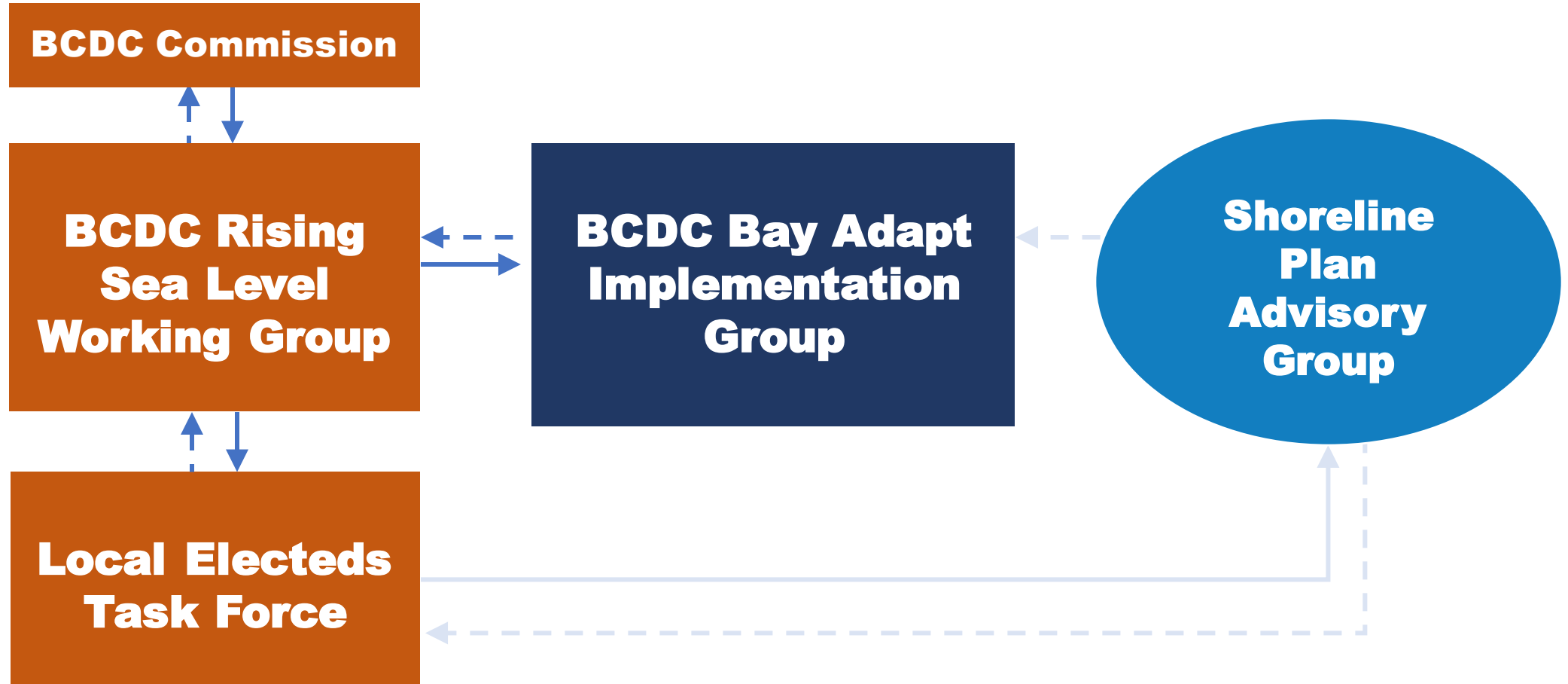
- Alternative approaches that do *not* protect in place, which could change the cost estimate for adaptation in some shoreline segments
- Building code or other local policy adjustments
- Riverine and groundwater adaptations
- Adaptation plans made by utilities

¹ Estimate developed by BCDC and SFEI analysis.

BCDC Challenges

- Jurisdiction
 - Shoreline band will migrate inland as seas rise
 - Larger scale adaptation will need to occur beyond the 100 ft shoreline band
 - How does BCDC meet the challenge of naturally-occurring larger jurisdiction?
- Legal Authority
 - Future regional adaptation will require larger efforts than BCDC's current authority
 - BCDC considers only impacts to public access/consistency with priority uses within shoreline band
 - BCDC cannot require multi-parcel or multi-jurisdictional adaptation planning or permitting
 - Governance authority around funding is yet to be determined
- Policy
 - There are more facets of adaptation that have not been discussed by BCDC than have been discussed by BCDC

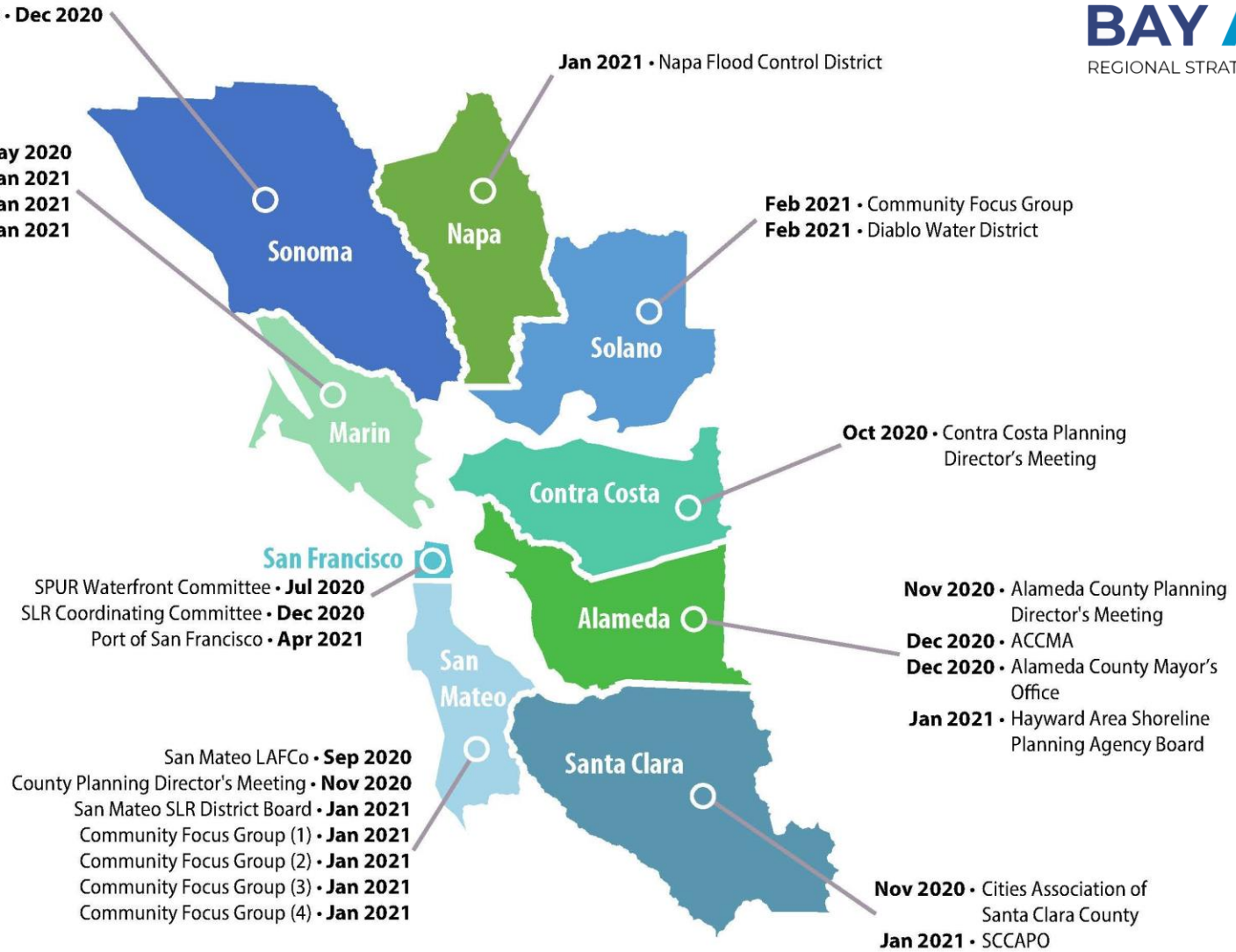
Leadership Groups



Elected Level

Leadership Level

Expertise Level



Regional

- BayCAN Bay Adapt (1) • Jul 2019
- CHARG Forward Forum • Oct 2019
- State of the Estuary • Oct 2019
- BayCAN Bay Adapt (2) • Feb 2020
- CHARG Steering Committee • Feb 2020
- BCDC Commission (1) • Mar 2020
- Bay Planning Coalition Summit • Jun 2020
- BCDC Commission (2) • Aug 2020
- BARC (1) • Sep 2020
- Environmental Groups • Nov 2020
- SFEP Implementation Committee • Nov 2020
- MYN Apocalyptic Resilience Youth Conference • Nov 2020
- BCDC Commission (3) • Nov 2020
- NorCal Resilience Network Meeting • Nov 2020
- Business Focus Group • Jan 2021
- BayCAN Local Government Focus Group • Jan 2021
- Education Working Group • Feb 2021
- Environment Focus Group • Feb 2021
- BCDC Commission (4) • Mar 2021
- San Francisco Water Board • Mar 2021
- BPC Waterfront Sustainability Group • Mar 2021
- BARC Executive Director/Deputy Director Meeting • May 2021

State/National

- BIPOC Climate Leaders • Nov 2020
- ULI National Resilience Summit • Dec 2020
- RAE Summit • Oct 2020
- UCI Conference • Mar 2021

Implementing Bay Adapt



OCEAN PROTECTION COUNCIL



Today

2024

2025

Regional Shoreline Adaptation Plan Guidelines



Local & Sub-Regional Adaptation Plan Development



Regulatory Improvements



What can the Regional Shoreline Adaptation Plan **achieve?**

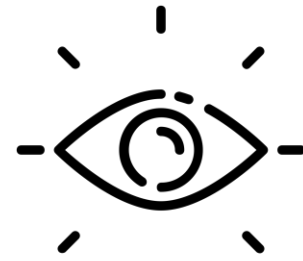


- Adaptation that **coordinates** with neighboring jurisdictions
- **Priority** resources to frontline communities
- Long-term **health** of wetlands
- Strategy for **adaptation implementation** based on risk
- Common **standards and methods** for applying science
- **Funding pipeline** that reduces burdens on local jurisdictions
- Tracking and evaluation towards **collective vision of progress**

Developing the **Regional Guidelines**

Topic areas to be included:

- Environmental Justice communities
- Contaminated Sites
- Habitat
- New and Redevelopment
- Transit
- Critical Infrastructure
- Multi-jurisdictional planning
- Others as needed



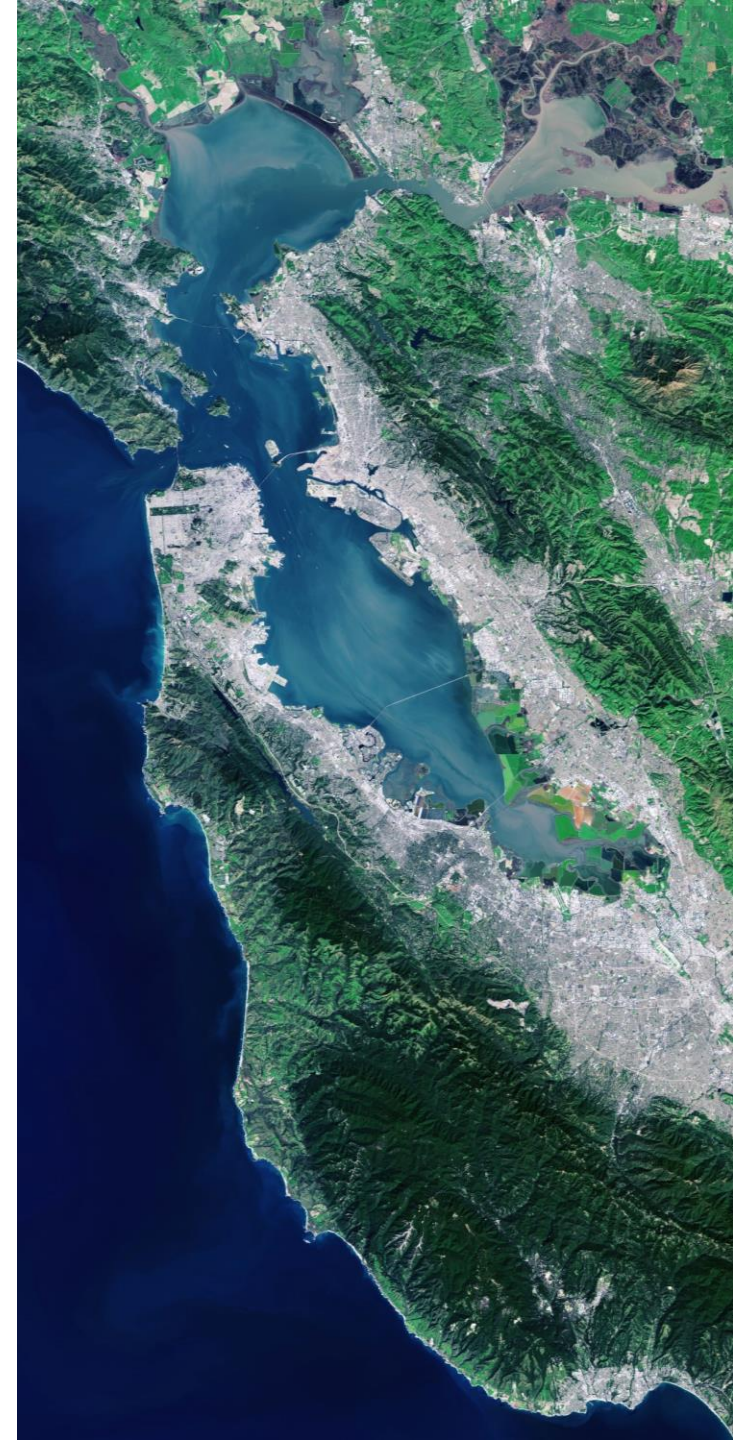
SHARED VISION



GOALS FOR SUCCESS



**GUIDELINES TO BE
APPLIED LOCALLY**



Regulatory Improvements are based in **Bay Adapt**

bayadapt.org/joint-platform-projects/#action-7



ABOUT ↓

JOINT PLATFORM ↓

ENDORSEMENTS

LEARN MORE ↓

Getting adaptation projects approved and built can be challenging.

Permitting and construction should accelerate, not hold back, resilient shoreline adaptation projects that value ecosystems and people, align with the region's vision and funding priorities, and apply innovative approaches. Measures to smooth and speed regulatory approvals for multi-benefit projects are important. Other measures can help facilitate place-based collaboration around project development and remove logistical challenges to construction.

Explore Actions and Tasks

- **ACTION 7. Refine and improve regulatory processes.**
 - Task 7.1: Accelerate permitting for equitable, multi-benefit projects.
 - Task 7.2: Assess environmental regulations and policies that slow down progress on projects.
- **ACTION 8. Fund and facilitate faster adaptation projects.**
 - Task 8.1: Incentivize projects that meet regional guidelines.
 - Task 8.2: Encourage collaboration among people doing projects in the same places.
 - Task 8.3: Facilitate faster construction of nature-based projects.

ACTION 7: Refine and accelerate regulatory approvals processes.

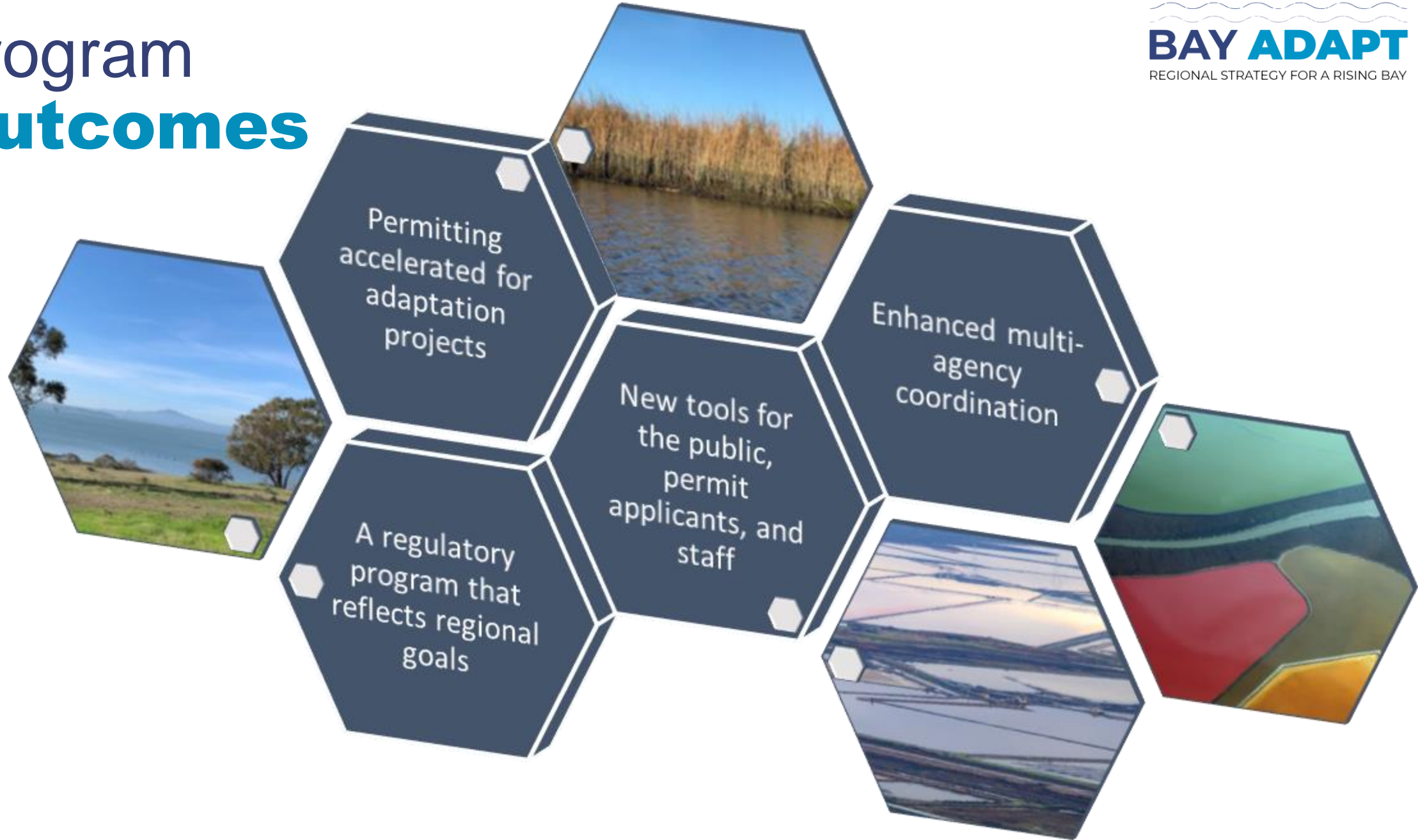
Goals:

- > Less time and fewer resources spent on permitting adaptation projects so they can be constructed ahead of sea level rise.
- > Updated laws, regulations, and policies that reflect the changing shoreline.

Connecting **Other Efforts**



Program Outcomes



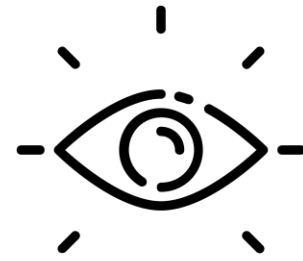
Today's **Questions**

- How does the working group want to lead this effort?
- What parts of what we discussed today are you most excited about and most concerned about?
- How should the working group start to consider questions about authority and jurisdiction?
- What guidance can you give staff at the beginning of this journey?

Developing the **Regional Guidelines**

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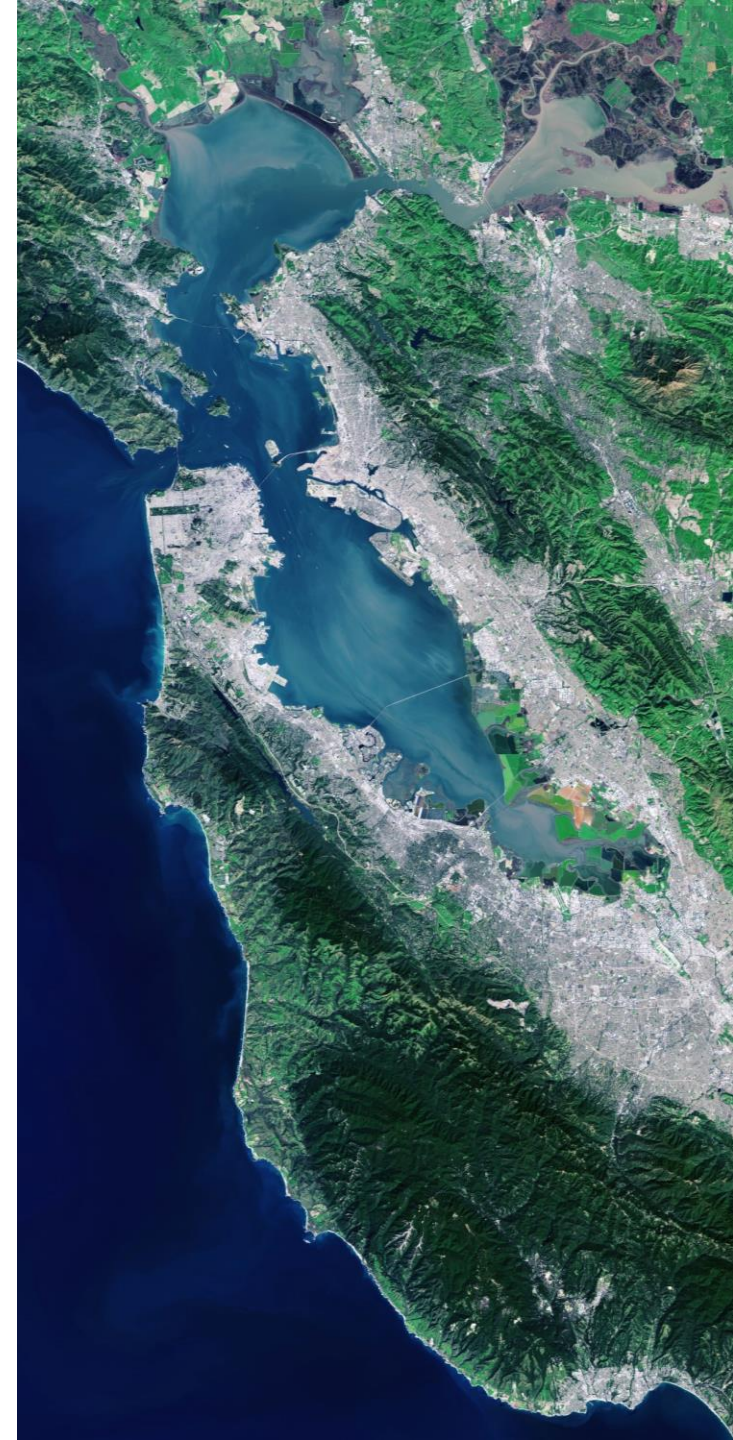
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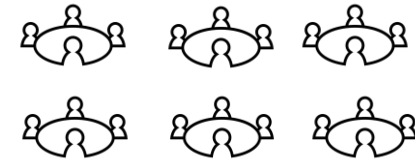
**GUIDELINES TO BE
APPLIED LOCALLY**



Engaging Diverse Stakeholders Throughout the Process

- Local Electeds
- Environmental Justice communities
- Environmental groups
- Business groups
- Local Government staff
- Flood Control
- Special Districts

Local Meetings



Public Workshops

