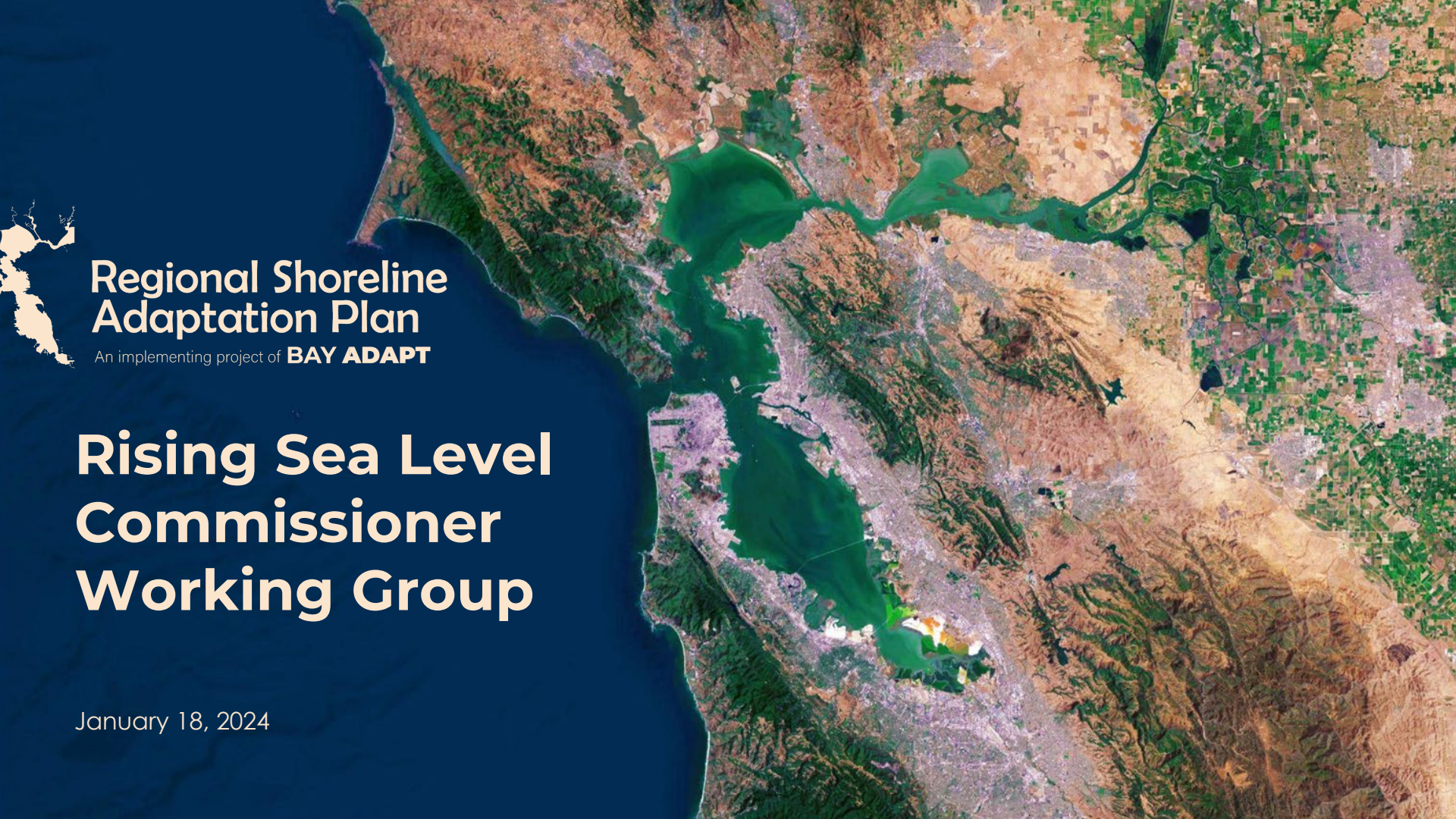




Regional Shoreline Adaptation Plan

An implementing project of **BAY ADAPT**

Rising Sea Level Commissioner Working Group

January 18, 2024



WHAT IS THE REGIONAL SHORELINE ADAPTATION PLAN? (RSAP)

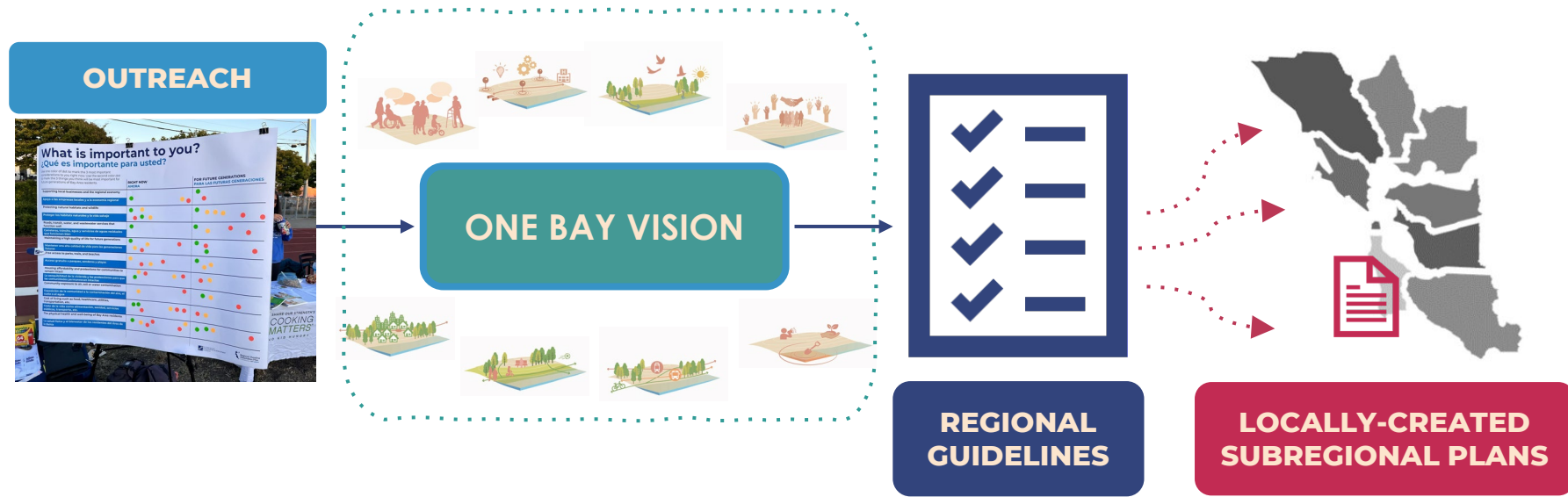
A region-wide plan for the Bay shoreline that guides the creation of coordinated, **locally-planned** sea level rise **adaptation actions** that **work together** to meet **regional goals**.



OCEAN
PROTECTION
COUNCIL



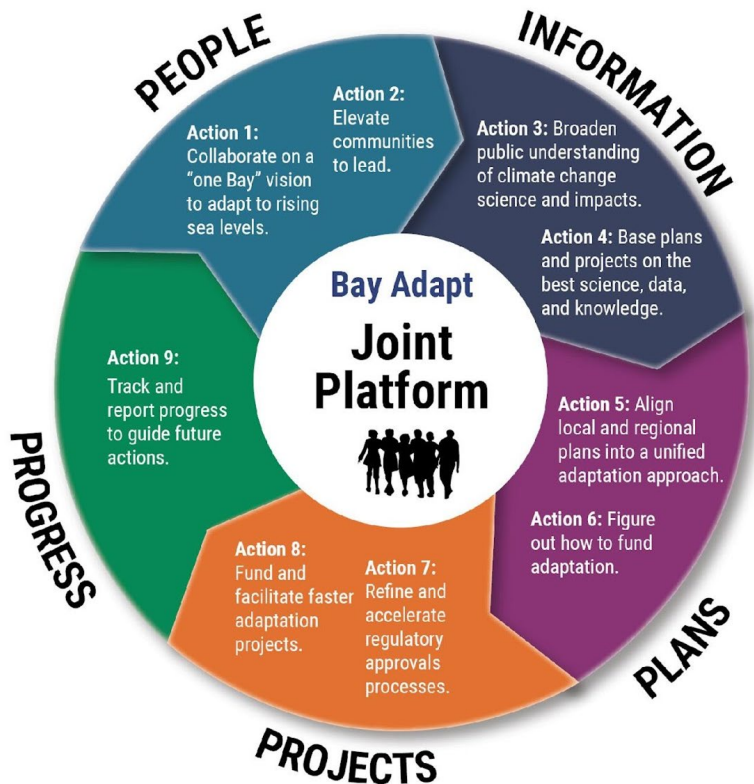
WHAT SHOULD THE RSAP GUIDELINES HELP THE REGION ACHIEVE?



BAY ADAPT

REGIONAL STRATEGY FOR A RISING BAY

RSAP is an implementing project of Bay Adapt



- *Task 1.1:* Create a long-term regional vision rooted in communities, bay habitats, and the economy
- *Task 5.1:* Provide incentives for robust, coordinated local adaptation plans.
- *Task 8.1:* Incentivize projects that meet regional guidelines
- *Task 9.1:* Measure regional progress using metrics and share results.

2023 FALL OUTREACH

> 500 people shared with us
their values and visions for the
future of the shoreline

- 10 events
- Online survey
- Public Workshop
- Expert Advisory Group
- Video





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



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

One Bay Vision for the Future of the Shoreline

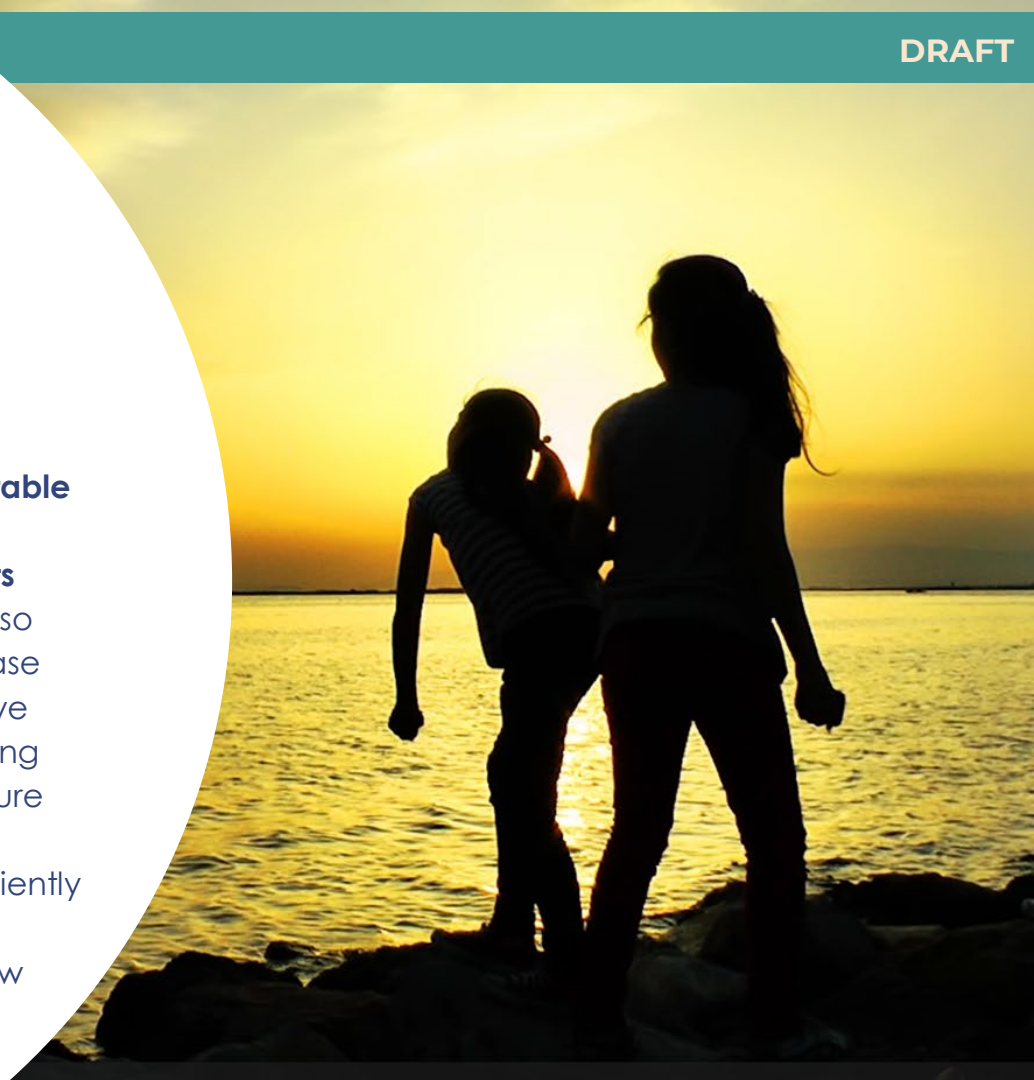
QUESTIONS TO KEEP IN MIND

- What do you like most about the One Bay Vision?
- Is there anything missing or unclear?

One Bay Vision for the Future of the Shoreline

As sea levels rise, the Bay Area's diverse communities come together to transform how we live, work, plan, and adapt along our changing shorelines.

In this future, communities are **healthy, safe, and equitable** and have **access** to our shorelines where they can experience the beauty and wonder of thriving **habitats** along the Bay's edge. Our region remains **connected** so that networks of people and goods can move with ease and get to the **places** they need to go. The **services** we rely upon keep our communities and economies running and are designed for the long-term. Achieving this future will require **governments, the private sector, and communities** to collaboratively, thoughtfully, and efficiently take on complex, interrelated challenges together. A resilient future for the San Francisco Bay Area starts now and continues for generations to come.





**COMMUNITY
HEALTH &
WELLBEING**



**CRITICAL
INFRASTRUCTURE
& SERVICES**



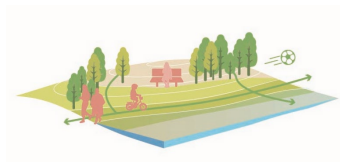
**ECOSYSTEM
HEALTH &
RESILIENCE**



**GOVERNANCE,
COLLABORATION
& FINANCE**



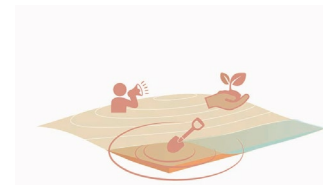
**HOUSING,
DEVELOPMENT &
LAND USE**



**PUBLIC ACCESS &
RECREATION**



**TRANSPORTATION
& TRANSIT**



**SHORELINE
CONTAMINATION**

ONE BAY VISION

As sea levels rise...

Communities are healthy and vibrant.

To achieve this:

- Adapt Bay Area communities to safeguard all from the public health consequences of flooding.
- Meaningfully engage and empower communities in adaptation decision-making to support healthy environments, public safety and quality of life.
- Address risks to essential community assets, services, and cultural resources.
- Prioritize economic opportunities from adaptation in disadvantaged communities through workforce development and other community benefits.



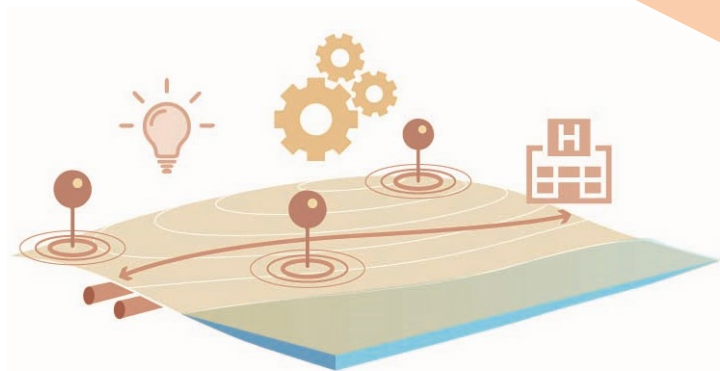
COMMUNITY HEALTH & WELLBEING

As sea levels rise...

Critical services are reliable.

To achieve this:

- Adapt existing local and regional critical infrastructure systems to maintain or improve service continuity for everyone, while minimizing vulnerabilities of new infrastructure networks to future flooding hazards.
- Integrate flooding hazards into emergency management services planning and operations.
- Prioritize adaptations that address service deficiencies in underserved communities.



CRITICAL INFRASTRUCTURE AND SERVICES

As sea levels rise...

Healthy Baylands ecosystems thrive.

To achieve this:

- Protect, restore, and enhance Baylands ecosystems to improve their function, scale, biodiversity and services.
- Prioritize nature-based solutions where possible and incorporate habitat connectivity, sediment management, and whole watershed approaches into shoreline projects and planning.
- Identify and facilitate opportunities for ecosystems to migrate landward.



ECOSYSTEM HEALTH & RESILIENCE

As sea levels rise...

Regional collaboration drives efficient and effective adaptation.

To achieve this:

- Ensure local and regional governments collaborate to address shared flooding risk, identify multi-benefit adaptation opportunities, and avoid adverse flooding impacts to other jurisdictions.
- Identify and engage with Indigenous partners when planning, implementing, and managing shoreline adaptation projects.
- Support formal and informal collaborations equipped to effectively plan, fund, and adaptively manage adaptation strategies over time.
- Improve funding and regulatory processes to expedite innovative and transformative adaptation projects with regional benefits.



**GOVERNANCE,
COLLABORATION &
FINANCE**

As sea levels rise...

Places are designed for a changing shoreline.

To achieve this:

- Adapt existing development equitably, and plan new and re-development, to ensure community safety, equity, and Bay ecological health.
- Align land use planning with risk mitigation while considering long term economic vitality for all.
- Support the region in creating affordable housing, meeting its state-mandated housing goals, and collaboratively planning to reduce populations at increased risk of flooding.



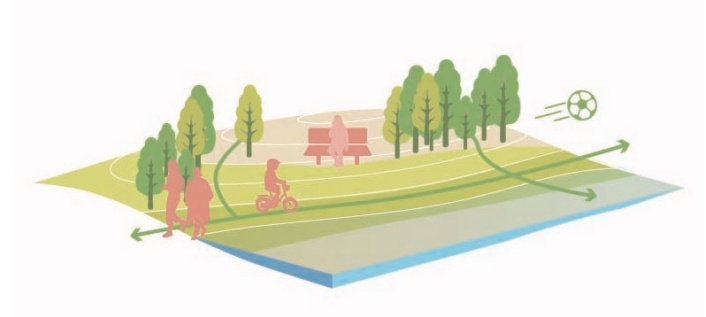
**HOUSING,
DEVELOPMENT & LAND
USE**

As sea levels rise...

The Bay shoreline is accessible to all.

To achieve this:

- Expand and improve diverse shoreline public access through adaptation.
- Prioritize connecting disadvantaged neighborhoods to a healthy Bay, creating equitable access for diverse communities.
- Improve recreation opportunities and preserve water-dependent or culturally significant waterfront uses.
- Balance human enjoyment with healthy ecosystems so that all have access to a thriving shoreline.



PUBLIC ACCESS & RECREATION

As sea levels rise...

People and ecosystems are safe from contamination risks.

To achieve this:

- Collaborate with communities, scientists, and government agencies to identify, adapt, and remediate contaminated shoreline sites.
- Prioritize remediation of contaminated sites that address those disproportionately impacted, without transferring contamination burden.
- Integrate emerging science on shallow groundwater rise into planning and adaptation decisions.



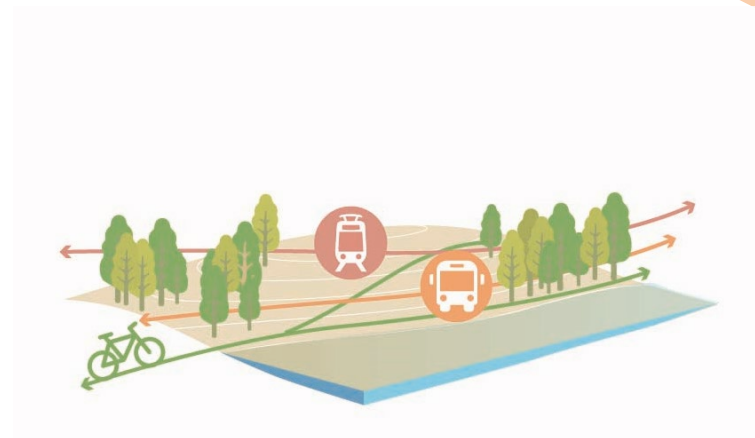
SHORELINE CONTAMINATION

As sea levels rise...

Safe and reliable transportation connects the region.

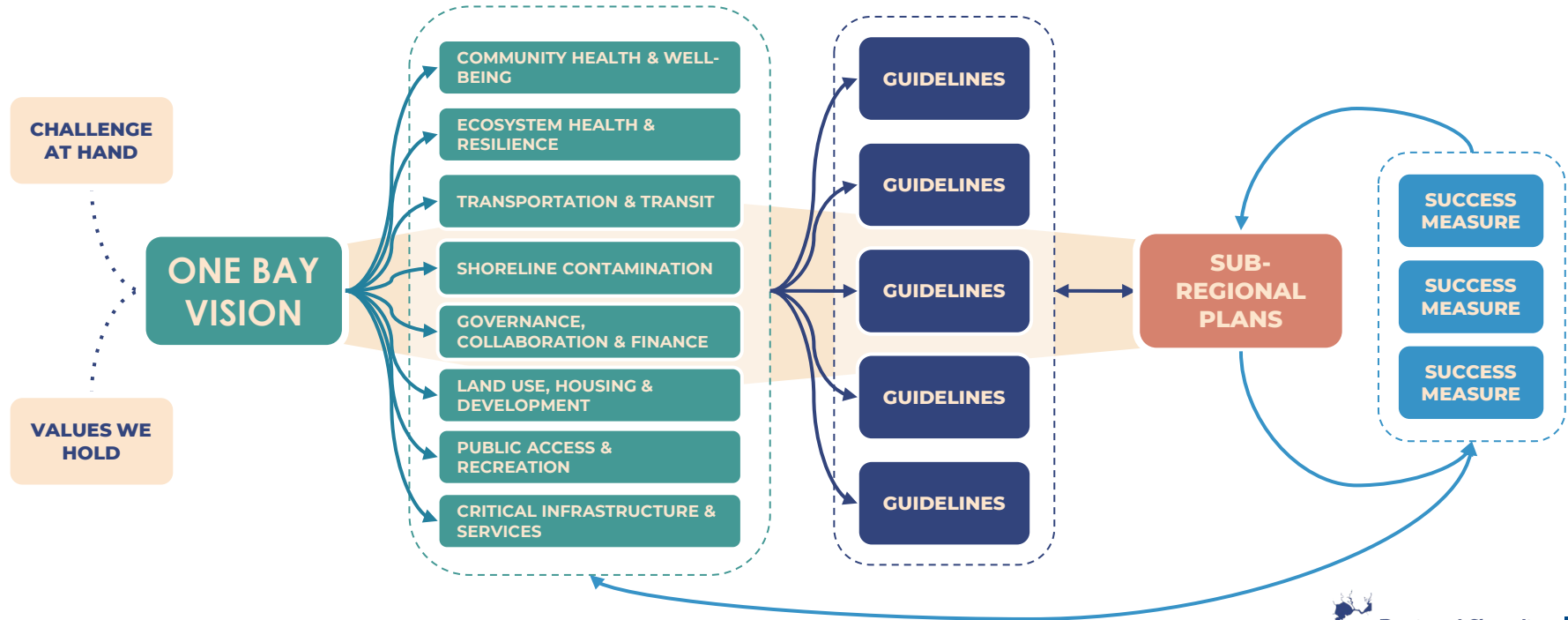
To achieve this:

- Adapt local and regional transportation systems to ensure safe and reliable connectivity by air, land, and water.
- Ensure continuity and equitable service in transit dependent communities.
- Promote active, low emissions mobility options for environmental and economic benefit.



TRANSPORTATION & TRANSIT

VISION DRIVING GUIDELINES



NEXT STEPS

- Continuing to **define subregional plans** with practitioners and stakeholders through upcoming focus groups
- **Planning for spring local workshops** in up to five communities with Community-Based Organization partners
- **Elected Official engagement**
- **BCDC Commission briefing** on Feb 1, 2024



THANK YOU!

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