

Action 1: Develop and disseminate guidance to business and industry on the best practices for reducing the potential impacts of flooding and sea level rise on their facilities and the services and systems they rely on.

Key outcomes of this action: Businesses understand the internal and external threats they face and have information on how to take action and who to go to for assistance.

1) Actors and Information

Who will lead: A county or regional agency in partnership with a business group such as Bay Area Council, East Bay Economic Development Association, or the Chamber of Commerce.

Who are interested and affected constituents: Large and small businesses, Taxpayers, Landlords, Cities, Public Safety agencies, Railroads, Unions

Information needed to initiate action: Much of the information is already available; the challenge will be to translate information, such as ART Project reports and materials, into business friendly concise guidance. A clear idea of who should lead will be the most important piece of information to initiate the action.

Sources of information: Vulnerability assessments, ART materials, Other existing reports.

2) Timeline for Implementation

What can we do now:

- Find a leader.
- Begin to share resources (ART mapping, other products from ART and other sources) with business groups such as the Chamber of Commerce and East Bay EDA. Meetings or workshops with these groups may be the best venue to do this. Approach East Bay EDA about presenting at their March Conference.
- Market analysis – determine the need, and identify a potential pilot industry or business (the most at risk industry).
- Outreach by the County Hazmat
- Find funding to produce the guidance

What can we do next:

- Broad Education Campaign, pamphlets, documents, one-pagers, presentations
- Produce guidance that will be given to new businesses

What can we do long term:

- Establish a resilience award for businesses that can be integrated into a LEED type program or stand alone similar to Green Seal

3) Feasibility

Roadblocks:

- There may need to be regulation or incentives for businesses to take guidance seriously.
- Need for a better understanding of financial impacts of changes recommended by the guidance
- Need for language that will speak to businesses
- Language barriers and limited reach to small businesses and underserved communities.

Potential solutions:

- Work with business groups to improve messaging
- Monetize the impacts (show what will be lost if businesses don't prepare)
- Produce multiple types of guidance based on industry, size of business, location, and provide translations.

Funding:

- Non-profit grants
- Prop 1 funds
- CRI
- Federal – FEMA, EPA

What support is needed:

State and Federal data, information and maps.

4) Double Check:

Serves to advance resilience goals because the action:

- ✓ Improves or protects multi-modal access housing, jobs or services
- ✓ Protects public health and safety
- Protects especially vulnerable community members (Maybe)
- Maintains recreational and educational opportunities
- ✓ Promotes or retains jobs
- Maintains commuter movement (Maybe)
- ✓ Maintains goods movement
- ✓ Reduces service or network disruptions
- Creates or maintains appropriate habitat and biodiversity
- ✓ Maintains or improves water quality
- Promotes grey to green and nature-based solutions (Maybe)
- ✓ Supports or creates collaborative, transparent decision-making

- ✓ Encourages broad public and/or private sector partnerships

Final check:

Will this action achieve your desired outcome?

Action 2: Create a public-private shoreline working group tasked with developing a plan to fund and implement integrated shoreline solutions to reduce flood risk

Comment [EB1]: Group said this should be a "model plan" so that different jurisdiction can pick and choose from it as applicable.

Key outcomes of this action:

- consensus on shoreline vulnerabilities and integrated adaptation strategies
- a shovel-ready PLAN by 2018

1) Actors and Information

Who will lead:

- County-sustainability office (potential for them to expand on Northern Waterfront Initiative task force groups)?
- Challenging to ID leader
- May be best for landowners who implement to lead (or be included)

Who needs to be an engaged partner?

- Public Works, Save the Bay, Conservancy, ABAG, Board of Supervisors, Hazardous Materials Commission, City Councils, EBRD, Tesoro and other major landowners, industry groups, OES.

Who are interested and affected constituents:

- Industry, residents, business, recreation, environmental advocates

Who are the strong advocates or local action champions?

- Mike Thompson, John Gioia, Mark Desauliner, Federal Glover, Jody, Diana Burgess

Information needed to initiate action:

- How to support lead
- How many job created?
- Identify areas where infrastructure upgrades are already needed

Sources of information:

- BCDC, Northern Waterfront Initiative

2) Timeline for Implementation

What can we do now:

- Identify stakeholders and establish the groups.
- Get County Supervisor, County Staff, Board of Supervisors support for County SLR guidance.
- Develop and get support for a framework plan.

What can we do next:

- Work on adaption (and dissemination) of county guidance on SLR. Create standard the whole county can use.

What can we do long term:

- Develop the plan/ Set cohesive actions
- Fund and implement those actions.

3) Feasibility

Roadblocks:

- Non-participatory complainers; lack of motivators (unclear leader, driving policy); reaching consensus (especially when not everyone needed will participate).

Potential solutions:

- ID lead agency

Funding:

- Conservancy Prop 1 Urban Greening: RFP in December.
- Measure AA: July 2017 RFP
- Civic Spark
- FMA grant
- FEMA can fund planning related to flood mitigation
- Funding plan through students at Haas, Goldman
- Climate Corps Bay Area

What support is needed:

- Coordinated permitting needed to ensure national infrastructure/shoreline projects can be implemented
- USFWS, BCDC, Army Corps, State lands.

What support is needed from the region, state, and federal government?

- Streamlined permitting process
- Funding
- Marketing: help create a vision to assist our champions

4) Double Check:

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Comment [EB2]: Group noted that these are special ART terms that need to be clearly defined/explained to broader audiences.

Final check:

Will this action achieve your desired outcome?

Action 3: Develop a county-wide program to monitor, maintain, and repair (as feasible) at risk shorelines most in need of intervention.

Key outcomes of this action: Inventory of shoreline land uses (future and current), collaboration/partnership between managers of the shoreline, identification of priorities in repair and funding, evaluation tool, diverse participation which generates public support and includes an education component

Comment [EF3]: There was a suggestion to add to the beginning of this action "Determine locations where shorelines are at risk/or where there are weak links in shoreline protection (currently and in the future), then, if necessary ..."

1) Actors and Information

Who will lead: Contra Costa County Flood Control District, with representation from private entities

Who needs to be an engaged partner: private entities (i.e. pipelines, chemical industry, oil refineries), East Bay Regional Park District, Bay Trail, Delta Trail, Contra Costa County Office of Emergency Services, BNSF and UP rail, county and cities, nonprofits (i.e. Greenbelt Alliance, Communities for a Better Environment)

Who are interested and affected constituents: leaders and partners listed above, the region, business and industrial corridors

Who are the strong advocates or local action champions: Contra Costa Health Services Environmental Health Division, Contra Costa Clean Water Program, EBRPD,

environmental nonprofits, environmental justice nonprofits (i.e. Communities for a Better Environment),
Information needed to initiate action: best practicing in monitoring, determination of type of vulnerability

Sources of information: San Francisco Estuary Institute, CCCFCD

2) Timeline for Implementation

What can we do now: set up working group; engage better with private entities, especially rail

What can we do next: expand and collaborate with the eastern part of the county; make presentations to the public on issues, and communicate that process will be transparent; create a plan with principles, goals, and a vision with key transformative opportunities

What can we do long term: working group members continue to provide input to county's and cities' general plans; ongoing public participation; potential structural and/or land use changes; evaluate the need for new institutions and laws

3) Feasibility

Roadblocks: low local participation, lack of private owner involvement, Contra Costa's role not recognized within the region

Potential solutions: try to collaborate with current infrastructure improvements, working group brings information to city governments, ensure transparency, education and marketing campaign

Funding: Clean and Healthy Bay Initiative (Measure AA); CA Strategic Growth Council; cap and trade; private foundations; FEMA Climate Resilience Grants(?)

What support is needed: coordinated permitting; showcasing best practices, technical resources, research; better data repository; flood mapping; standardized tools that are applicable at the local level

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- Encourages broad public and/or private sector partnerships

Final check:

Will this action achieve your desired outcome? Maybe (depends on participation ability and motivation of partners; if opportunity costs are illustrated)

Action 4: Establish a public-private partnership to better understand the consequences of flooding on commercial and industrial supply chains, employee access to job sites and the regional transportation networks goods and commuters rely on.

Key outcomes of this action:

- Protect communities and their livelihood
- Ensure new investments are resilient
- Speed up recovery after a flood
- Plan and build multi-modal networks that provide shoreline access to all
- Improve redundancy
- Advance a transformative vision of a future resilient shoreline
- Acknowledge and accept risks
- Understand risks based on local, focused perceptions

1) Actors and Information

Who will lead:

An economic stakeholder, e.g., the Bay Area Council, East Bay Leadership Council or East Bay EDA plus the County's Planning Directors

Who are interested and affected constituents:

- Chambers of Commerce
- Refineries
- UC Berkeley
- Shoreline Environmentalists
- Parks
- All of the county (west, central and east)
- Caltrans
- CCTA

- Railroads
- CBOs
- Cities
- MTC + ABAG

Information needed to initiate action:

- Fact check SLR mapping and analysis
- Future market trends for industry/business
- Opportunities to consolidate industries and develop “exit plan” if needed

Sources of information:

- Regional Goods Movement Plan (MTC)
- LBL – Berkeley and Department of Energy
- Marin Clean Energy
- Industrial Councils / Refinery organizations
- CalOES Catastrophic Flood Plan for Northern CA

2) Timeline for Implementation

What can we do now:

- Launch and annual King Tides campaign
- Convince people it is real
- Identify a local champion or leader
- Engage the Northern Waterfront Economic Initiative
- Educate job providers and communities
- Initiate a grass roots campaign with talking points for each locality
- Create a clear, simple and unified case (pitch)

What can we do next:

- Align planning and policy tools (land use, zoning, transportation) to ensure action is taken
- Consider developing a recovery plan or post disaster plan that is visionary

What can we do long term:

- Have info accessible to all parties to enable good decision-making
- Initiate a marketing campaign about county workforce and investments that will be supported into the future
- Partnership funded projects with shared and committed resources to build trust and buy-in
- Improve collaboration, find new synergies and advance partnerships
- Develop better relationships between public and private sectors

3) Feasibility

Roadblocks:

- Inertia in all sectors
- Lack of synergy/integration into existing efforts
- Private sector moves faster than public

Potential solutions:

- Leverage/synergize with ongoing efforts
- Private sector can speed up public sector
- Work towards less red tape in government
- Leverage private sustainability efforts and government/community relations efforts

Funding:

- Private entity may fund recovery plans
- Mitigation funds
- Pool available resources
- CalOES Catastrophic Plan funds

What support is needed:

- Funding
- Guidance and concrete direction about what to plan for
- Actionable steps and timelines

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- Supports or creates collaborative, transparent decision-making
- ✓ Encourages broad public and/or private sector partnerships

Final check:

Will this action achieve your desired outcome? Yes