



The All Bay Collective Toolkit

Cities that face climate change impacts need to build collaboration through community-centered collaboration. To work with communities around San Leandro Bay in the Resilient by Design Bay Area Challenge, the All Bay Collective developed a three-part toolkit consisting of a board game, an equity checklist, and a quadruple bottom line framework.



In It Together

This fun but serious game brings stakeholders together around a map of the Estuary to cooperatively explore adaptation strategies, weigh their tradeoffs, and achieve greater local resilience.

In this game, players role-play diverse stakeholders and initiate adaptation actions (such as living levees, tidal cities, and community land trusts) by placing corresponding pieces on a map of the Oakland Estuary. As the rounds advance, so too does flooding, taxing players if flood waters reach unprotected buildings or infrastructure. Players can compete (to individually accomplish their goals) or cooperate (to achieve a win-win solution by scoring ‘Collective Resilience Points’).

ABC has co-created, played, and refined In It Together with agency and community representatives around San Leandro Bay.



Community Resilience Investment Decision-Making Tool

Many cities, nationally and internationally, are using triple bottom line (TBL) approaches to measure tradeoffs between different policy options, maximize scarce resources, and realize interrelated financial, social, and environmental goals. However, TBL frameworks are less frequently used in community-driven planning or for projects that span jurisdictional boundaries.

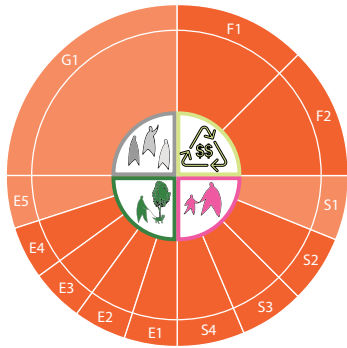
Improving on previous TBLs, our team developed the Community Resilience Investment Decision-Making Tool. This adaptable framework helps users evaluate the social, environmental, financial, and governance co-benefits of different investment choices. Working with agency and community representatives, we co-created a tailored set of criteria and indicators. These metrics elevate the importance of collaborative governance approaches and, in doing so, encourage a more equitable path forward for decision-making. Furthermore, community groups and public agencies can refine and adapt this tool as their resilience, equity, and environmental goals evolve.

Community Resilience Investment Decision-Making Tool

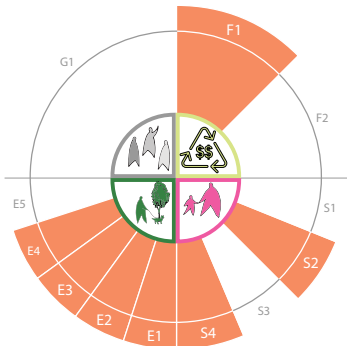
	Abbr.	Criteria	Priorities
Social	S1	Diverse Employment	
	S2	Racial and Economic Equity	
	S3	Mobility and Transit Access	
	S4	Diverse Housing	
	S5	Public Health	
	S6	Social Vitality	
	S7	SAFETY - vul. to	
	S8		
Environmental	E1	Flood Resilience	
	E2	Water Quality	
	E3	Air Quality	
	E4	Connected Habitat	
	E5	Parks	
	E6		
	E7		
Financial	F1	Gross New Tax Revenue	
	F2	Value Capture Potential	
	F3	Operation and Maintenance	
	F4	Economic Risk	
	F5	Capital Investment Cost	
	F6	Tax Exemption	
Governance	G1	Jurisdictional Cooperation	
	G2	Regulatory Burden	
	G3	Public Participation	
	G4	Participatory Budgeting	
	G5	Investment	

The Community Resilience Investment Decision-Making Tool

Current



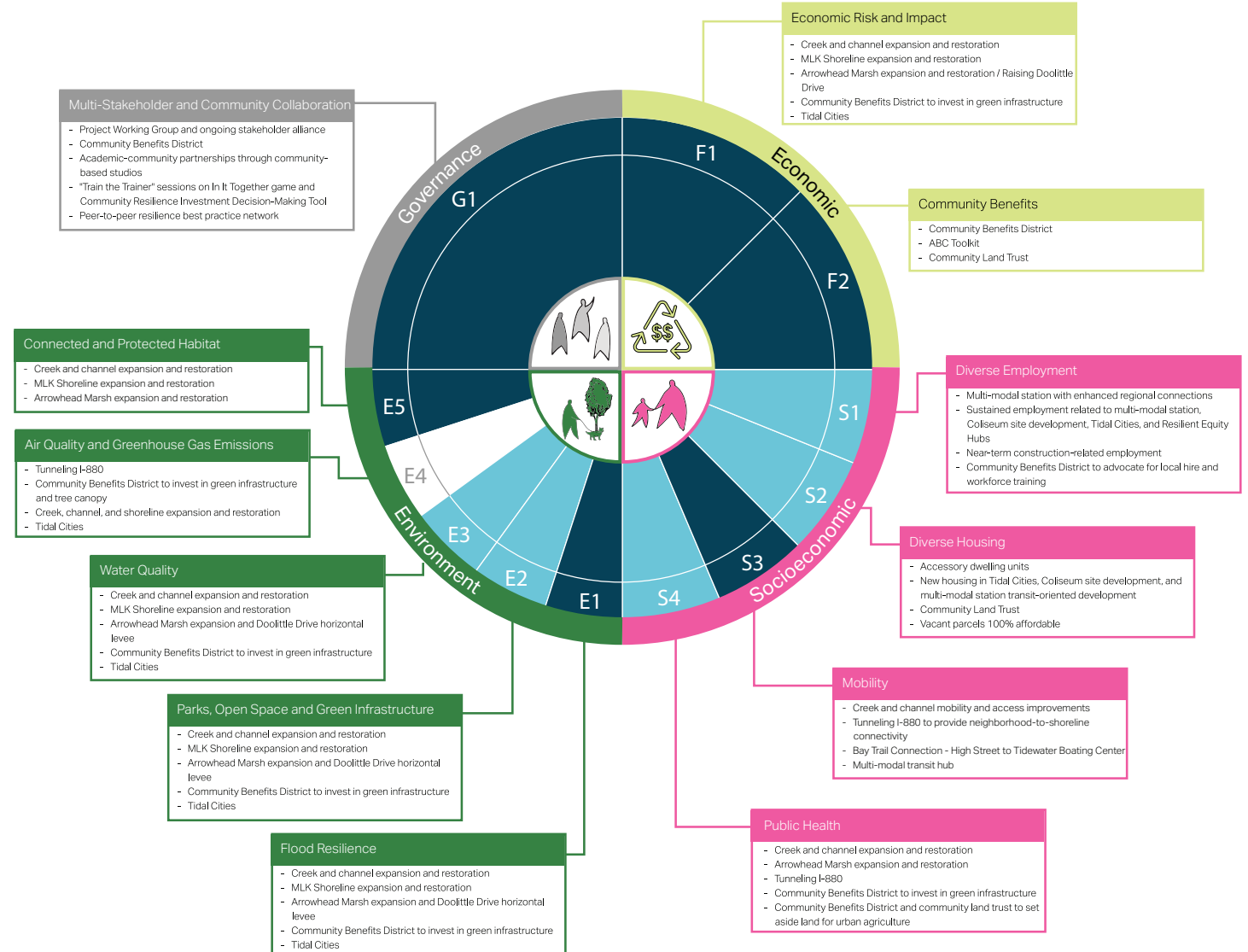
Proposed Individual Plans



Legend

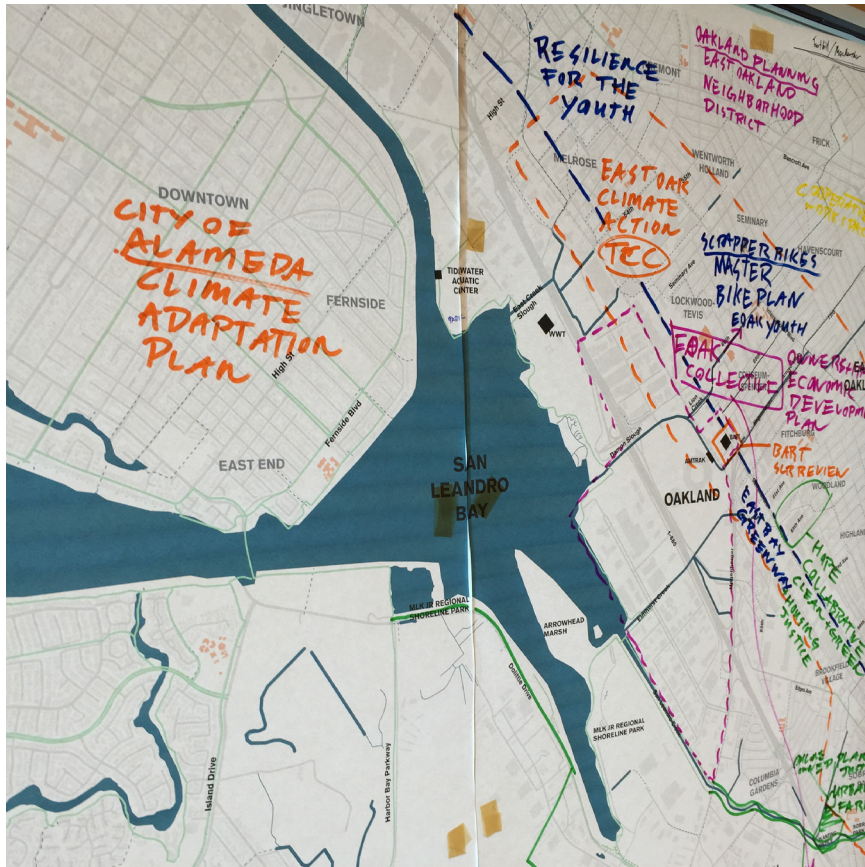
- Significantly Positive (++)
- Positive (+)
- Neutral
- Negative (-)
- Significantly Negative (--)

In It Together - The Estuary Commons



Community Resilience Investment Decision-Making Tool Criteria and Indicators

Abbr.	Criteria	Indicator
Governance		
G1	Multi-Stakeholder and Community Collaboration	▶ Increase in proactive collaborative activities between public sector entities, community-based organizations, and private sector actors partnering on implementation ▶ Increase in meaningful public opportunities to engage in these collaborative activities early and often
Socioeconomic and Racial Equity		
S1	Diverse Employment	▶ Increase in job availability through new local employment centers ▶ Increase in workforce training and education opportunities ▶ Increase in transportation linkages to regional job centers and opportunities ▶ Increase in legally mandated local hire requirements
S2	Diverse Housing	▶ Protection of existing housing ▶ Protection plus addition of new housing ▶ Increase in affordable housing
S3	Mobility	▶ Increase in active transportation pathways (bike and ped) ▶ Increase in amount of multi-modal hubs ▶ Improved access neighborhood-to-shoreline access
S4	Public Health	▶ Increase in land available for community gardens and urban agricultures ▶ Improvement in air quality ▶ Improvement in water quality
Environmental		
E1	Flood Resilience	▶ Increase in built area protected from flooding
E2	Parks, Open Space and Green Infrastructure	▶ Increase in parks and open space ▶ Increase in tree canopy coverage
E3	Water Quality	▶ Decreased exposure of pollutant sources to flood water
E4	Air Quality and Greenhouse Gas Emissions	▶ Increase in tree canopy coverage ▶ Decrease in airborne pollutant source
E5	Connected and Protected Habitat	▶ Increase in habitat protected ▶ Increase in estuary habitat
Economic		
F1	Economic Risk and Impact	▶ Decreased exposure of homes, businesses, jobs, and infrastructures to flooding
F2	Community Benefits	▶ Presence of public benefits zoning



Equity Checklist

The ABC Equity Checklist helps communities document and advocate for their priorities in local investment decisions, focusing on factors related to socioeconomic equity, inclusion in decision-making, and public health. To make this checklist, ABC drew on resources such as the Bay Area Regional Health Inequities Framework (built environment indicators related to health outcomes), APEN's "Investment without Displacement" guidelines (anti-displacement and affordable housing), and the Greenlining Framework (equitable transportation investments). We also asked equity advisors from the Resilient By Design Research Advisory Committee to review and refine the checklist.

ABC Equity Checklist

This template provides a tool for communities, local government, agencies and private developers to negotiate tangible community benefits (such as local jobs, affordable housing, improved air quality, neighborhood improvements) for each public and private investment. These benefits implemented incrementally with each investment can build a more resilient, equitable and prosperous community.

What are the priorities?	What are the community's desired benefits to address priorities? ⁱ	How will benefits be measured?
Housing	– high quality, affordable housing – anti-displacement policiesⁱⁱ	
Transportation	– safe, convenient, affordable transportation – neighborhood connectivity to jobs, schools, services, emergency facilitiesⁱⁱⁱ	
Economic Security	– living wage jobs, workforce development, job training, internship opportunities – local business support	
Health Services	– culturally appropriate neighborhood health facilities	
Food	– neighborhood markets and gardens with affordable, healthy, local food	
Parks	– community open space for recreation and access to the natural environment	
Education	– neighborhood school improvements – educational opportunities	
Neighborhoods	– safe, walkable neighborhoods (street trees, sidewalks, lights)	
Cultural Fabric	– protect or develop cultural institutions important to the community (cultural centers, businesses, churches, heritage)	
Environmental Health	– air quality improvements – contaminated site cleanup – water quality improvement	
Safety	– increase personal and public safety and perceptions of safety in public spaces	
Utilities	– access to safe, reliable utility services including clean water, energy and waste/waste water disposal	
Capacity	– capacity building (training, tools and resources) in the community to adapt to and benefit from change	

ⁱ Adapted from "Living Conditions" in the frameworks by the Bay Area Regional Health Inequities Framework and the Public Health Institute and Center for Climate Change and Health (see page 75, 77 of RBD Briefing Book).

ⁱⁱ See "A Bay Area Agenda for Investment without Displacement" (Asian Pacific Environmental Network (APEN), Causa Justa/Just Cause, Council of Community Housing Organizations (CCHO), PolicyLink, Public Advocates, Urban Habitat).

ⁱⁱⁱ See Greenlining's "Mobility Equity Framework"

This booklet presents community decision-making tools created by the All Bay Collective for the Resilient by Design, a collaborative design challenge that asked residents, public officials and international experts to create design proposals for a more resilient Bay Area.

The All Bay Collective is comprised of AECOM, CMG Landscape Architecture, California College of the Arts, and UC Berkeley, with David Baker Architects, Silvestrum, Skeo, and Moll de Monchaux. In It Together was created by students at the California College of the Arts.

For more information, please contact allbaycollectivetoolkit@gmail.com.