

a Resilient Bay Area

Bay Area Resilient by Design (RBD) will produce ten implementable projects that address vulnerability to sea level rise and coastal flooding in specific locations within the nine counties along the Bayshore.

RBD will be guided by a diverse management committee. These leaders will first work with the selected design teams during a concentrated research period, to help them build a solid understanding of the Bay Area's unique conditions. Each design team will then work closely with local and regional leaders to select a specific project area for which to develop a design intervention. The next phase – collaborative design – will involve cooperative and iterative processes among team members, community leaders, government agencies, various specialists, and others to develop thoughtful designs that have the requisite local support to transition into actual projects.

Our Goals

- CREATE INNOVATIVE & IMPLEMENTABLE SOLUTIONS THAT PROVIDE RESILIENCE THROUGH END-OF-CENTURY
- REFLECT OUR DIVERSE POPULATION & GEOGRAPHIES
- ENHANCE ECOLOGICAL & ECONOMIC VITALITY
- CREATE OPPORTUNITIES FOR COLLABORATION AMONG A WIDE VARIETY OF STAKEHOLDERS
- IMPROVE ACCESS TO THE BAY FOR EVERYONE

East Coast Rebuild by Design

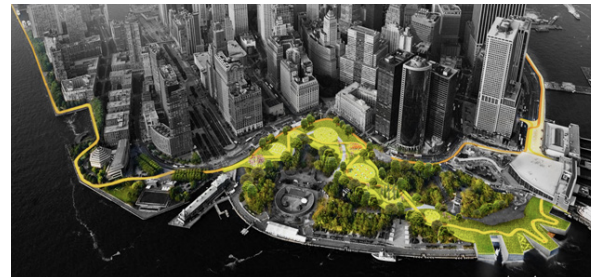
535 ORGANIZATIONS / 64 COMMUNITY EVENTS / 141 NEIGHBORHOODS + CITIES / 181 GOVERNMENT AGENCIES

Named "One of the 10 Best Ideas of 2013" by CNN, New York's Rebuild by Design was a multi-stage planning and design competition launched by President Obama's Hurricane Sandy Rebuilding Task Force in response to the physical and structural damage after the storm.

Rebuild by Design aimed to develop comprehensive, regional, replicable, and implementable solutions to increase resilience to future climate emergencies in the New York-New Jersey-Connecticut region while strengthening communities today.

Of 148 international applicants, ten teams were selected based on a varied set of skills and methodologies. Of the ten final design proposals, seven are currently undergoing implementation throughout the region.

Inspired by this innovative approach, the Bay Area Resilient by Design challenge presents an opportunity to elevate the public dialogue surrounding our rapidly changing and threatened environment and develop a unified vision for moving the region toward a more sustainable and resilient future.



Rebuild by Design proposal for Lower Manhattan from the BIG team

Team

Managing Partners

Comprised of core regional organizations from around the Bay Area, the Managing Partners will lead the RBD challenge with input and direction from San Francisco, Oakland, and Berkeley's Chief Resiliency Officers, Bay Conservation and Development Commission, Association of Bay Area Governments, Bay Area Regional Collaborative, San Francisco Estuary Institute, SPUR, the Climate Readiness Institute, and the California Coastal Conservancy. It will oversee communications, fund raising, research, and public engagement, and be accountable to funders.

Research Advisory Group

The Research Advisory Group will consist of diverse scientists and academics, who will lead design teams on tours, host panel discussions, and coordinate meetings with community members and environmental leaders, in addition to government agencies.

Government Advisory Group

Made up of representatives from participating agencies, the Government Advisory Group will offer an overview of opportunities and vulnerabilities, citing specific insights and expertise through their work in their region.

Local Experts Group

Like the Government Advisory Group, the Local Experts will help the design teams better understand the region and its most pressing issues. This group will be comprised of environmental organizations, civic associations, community advocates and key stakeholders. These experts will help the design teams better understand the region and its most pressing issues.

Jury

The Jury will function as an expert panel throughout the design challenge; responsible for choosing the design teams, providing critical input during the analysis and design stages, evaluating submissions and, ultimately, choosing the final designs.



WWW.SF-PLANNING.ORG/RESILIENCYCHALLENGE

latest info:

{WORKING DRAFT, MAY 2016}

BAY AREA RESILIENT BY DESIGN

UNITING THE BEST LOCAL AND GLOBAL MINDS TO WORK TOWARD A MORE RESILIENT AND SUSTAINABLE FUTURE

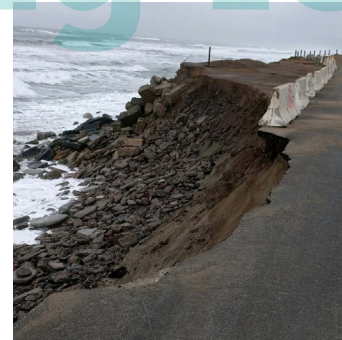
Bay Area Resilient by Design joins government, community leaders, and stakeholders from around the region to address challenges affecting the resiliency of our neighborhoods, environment, and infrastructure in this era of climate and seismic uncertainty.

Designing for...

The San Francisco Bay Area is Changing.

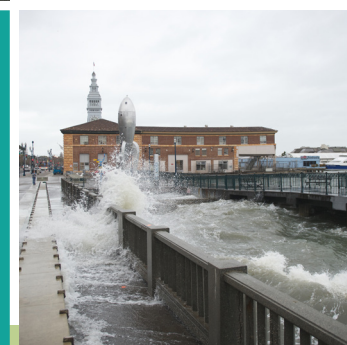
The Bay is central to our region's sense of place, livability, and economic vitality. The accelerating rate of climate change-related impacts, such as sea level rise, extreme storms, and urban flooding, necessitate substantial adaptations of our shoreline. Bay Area Resilient by Design (RBD) presents a unique opportunity to develop a unified vision for a resilient future that helps protect our waterfront neighborhoods from up to 108" of flooding by end-of-century.

Sponsored by a coalition of regional agencies, local governments, foundations, and institutions, RBD will bring together world-class design teams with hundreds of civic and community leaders, and technical experts from the Bay Area and beyond, to co-design innovative solutions for the San Francisco Bay and its neighborhoods. It will change the way communities and businesses understand the interconnectedness of land, water, infrastructure, and quality of life.



SEA LEVEL RISE
 2030 = 12 IN
 2050 = 24 IN
 2100 = 66 IN

STORM + KING TIDES
 ADD ~40"



the Challenge

TIMELINE	SCOPING	PARTNERSHIPS + FUNDRAISING	1: ANALYSIS + TALENT	2: LOCAL RESEARCH	3: COLLABORATIVE DESIGN	4: SELECTION
	9 MONTHS	[PRE-LAUNCH] 9 MONTHS	[LAUNCH] 4 MONTHS	5 MONTHS	6 MONTHS	1 MONTH
	2015	WINTER – FALL 2016	FALL 2016	WINTER – SPRING 2017	SUMMER – FALL 2017	DEC 2017



Equity & Community

Selection Criteria

FINAL DESIGN PROPOSALS MUST MEET THE FOLLOWING CRITERIA:*

- BE **IMPLEMENTABLE**, USING BEST PRACTICE TECHNOLOGIES + ENGINEERING
- BE **REPLICABLE** FOR DIFFERENT ECOSYSTEMS + NEIGHBORHOODS
- GAIN THE **SUPPORT** OF LOCAL COMMUNITIES + GOVERNMENTS
- CONNECT, COORDINATE + **COLLABORATE** ACROSS THE REGION
- ADDRESS CULTURAL, ECONOMIC + ECOLOGICAL FACTORS TO **STRENGTHEN COMMUNITIES**
- BE **COMPREHENSIVE**, PROVIDING BOTH PHYSICAL + SOCIAL BENEFITS

*specifics to be determined

1. Analysis + Talent

After an international call for participants, interdisciplinary design teams will be chosen based on their diversity of expertise and particular approach to resilience, not a solution to a defined problem.

2. Local Research

Once chosen, design teams will be guided through an extensive research phase, including area tours and discussions with government agencies, academic institutions, and community leaders. Together, teams will explore the interdependencies of large-scale infrastructure planning, housing, economic development, transportation, tourism, insurance, vulnerable populations, environmental justice, ecology, and conservation.

3. Collaborative Design

Teams will work with local government and community stakeholders to incorporate existing plans, local ideas, and needs into their designs. Final proposals will reflect the community's vision, vulnerabilities, and opportunities, ensuring broad and long-term public support for implementation.

4. Selection

Design teams will submit their final designs, finance, and implementation plans for jury review. Projects will be required to have garnered local government and community support.

After the Competition

Designs that have met all standards and criteria will receive public recognition from elected officials who, along with local government partners, will develop implementation plans based on identified funding sources. Other prizes and opportunities are currently under consideration.



Setting a New Standard for Participation

Through vigorous community engagement and education, the RBD challenge will work to shift the public's perception of climate change. In changing the conversation, we will transition the fear and sense of vulnerability surrounding this issue into empowerment and action. Collaborative open forums will enliven the public's imagination around shoreline planning and inspire a commitment to new ideas that will be incorporated into final designs.

Public Engagement

BASE DESIGNS ON COLLABORATIVE + OPEN PUBLIC INPUT.

CAPTURE THE **IMAGINATION** + INSPIRE A COMMITMENT TO CREATE NEW IDEAS.

EVOLVE THE **CONVERSATION** ABOUT SYNERGIES BETWEEN LAND, WATER + INFRASTRUCTURE.

ENHANCE **UNDERSERVED** COMMUNITIES THROUGH THOUGHTFUL DESIGN.

THE BAY SHORELINE COMPRISES ~1/3 OF CALIFORNIA'S TOTAL COASTLINE

Key Regional Challenges

NATURAL HAZARDS: SIGNIFICANT RISK FROM CLIMATE CHANGE RELATED SEA LEVEL RISE, COASTAL FLOODING, AND EXTREME STORMS.

VULNERABLE PUBLIC ASSETS: THE REGION'S WATER, POWER, AND TRANSPORTATION INFRASTRUCTURE WERE NOT PLANNED + DESIGNED WITH CLIMATE CHANGE IMPACTS IN MIND, LEAVING MANY BUILT + NATURAL SYSTEMS AT RISK.

PROTECTING COMMUNITIES & BUSINESSES: EXISTING AND PLANNED GROWTH ALONG THE BAY SHORELINE IS SUBJECT TO SEA LEVEL RISE AND FLOODING. SOME OF THESE SAME COMMUNITIES ARE ALREADY UNDER SOCIOECONOMIC STRESS.

UNCERTAINTY: HOW DO WE MAINTAIN AND ENHANCE THE REGION'S NATURAL + PHYSICAL ASSETS? HOW DO WE PROTECT OUR NEIGHBORHOODS? HOW DO WE PAY FOR THE SOLUTIONS?