RESILIENT BY DESIGN

BAY AREA CHALLENGE
Harnessing innovation to build more resilient communities

This year-long challenge brought together local residents, public officials, and local, national, and international experts to develop innovative solutions that will strengthen our region’s resilience to sea level rise, severe storms, flooding and earthquakes. Building off of the NYC Rebuild by Design challenge, Resilient by Design takes a proactive approach to protecting our communities before disaster strikes, and climate impacts worsen.
Bay Area Challenge Timeline

<table>
<thead>
<tr>
<th>Challenge Launch</th>
<th>Research Phase</th>
<th>Design Phase</th>
<th>Next Steps</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>May 31</strong></td>
<td><strong>September 1</strong></td>
<td><strong>December 1</strong></td>
<td><strong>June 1</strong></td>
</tr>
<tr>
<td>Over 50 teams responded to a RFQ and 10 were chosen by a Jury of national and international experts to participate in the Bay Area Challenge. A call for potential vulnerable sites was launched. Community members and city officials submitted over 74 potential sites vulnerable to sea level rise.</td>
<td>Design Teams toured and met with communities around the San Francisco Bay, learning about the environmental and social stresses Bay Area communities face. By listening to community members share their experiences about sites that could benefit from bold action, Design Teams began to learn how to harness the innovative thinking and public investment of the Bay Area.</td>
<td>Teams partnered with over twenty community organizations throughout the region to develop ideas for a more resilient Bay Area. At each site selected, initial design ideas addressed ongoing climate issues facing the Bay Area, such as sea level rise, severe flooding, and seismic risks, alongside other, sometimes more pressing challenges, including lack of housing, displacement, gentrification, limited access to public land and outdated transportation.</td>
<td>The projects now have networks of community organizations, city officials, local elected officials, designers, engineers, scientists, and other experts that have been activated and inspired to work together to continue to move each project forward.</td>
</tr>
</tbody>
</table>
Design teams compete for best solution to sea-level conundrum

“An ambitious design competition that seeks to make the Bay Area a model for how to prepare for sea-level rise kicks off this week.”
Raising awareness about flooding
Innovative Engagement

The Field Operations Team
Community Events

The Field Operations Team

BionicTeam
Co-Designing Solutions

Public Sediment & The All Bay Collective
Cross-Sector Partnerships
Youth Engagement

YPlan Summit
Meet the Projects

- **The Estuary Commons | All Bay Collective**
  San Leandro Bay

- **Resilient South City | HASSELL+**
  South San Francisco

- **The Grand Bayway | Common Ground**
  San Pablo Bay

- **Unlock Alameda Creek | Public Sediment**
  Alameda Creek

- **South Bay Sponge | Field Operations Team**
  East Palo Alto to Sunnyvale

- **Islais Hyper-Creek | BIG+ONE+Sherwood**
  Islais Creek

- **Peoples Plan | P+SET**
  Marin City

- **Elevate San Rafael | Bionic Team**
  San Rafael

- **ouR-HOME | The Home Team**
  North Richmond
Collect & Connect: Resilient South City

San Mateo County

Collect & Connect - Resilient South City is a proposal to create more public space and access along South San Francisco’s Colma Creek, aiming to reduce the impacts of flooding, mitigate against sea-level rise vulnerability, restore native flora and fauna, and create more amenity and healthy lifestyle opportunities by connecting a continuous green corridor from Orange Memorial Park to a new public park at the shoreline.
Widen Colma Creek
The project considers a new future for highway 37 as an elevated scenic byway, creating an iconic “front door” to a vast ecological open space previously known to few. Accessible to cyclists, runners, kayakers, campers, and fishermen, the Grand Bayway will become a Central Park with more 21st century sensibilities for rapidly expanding North Bay communities.
Elevated Highway 37
Napa Junction

Common Ground
Mare Island Gateway
Unlock Alameda Creek

Alameda County

Public Sediment for Alameda Creek aims to reconnect sediment flows from Alameda Creek to the marshes and mudflats at the bay’s edge, creating protective ecological infrastructure that adapts to sea level rise.
UNLOCK ALAMEDA CREEK

SEEDIMENT

PEOPLE

FISH

Public Sediment
Building a Creek Constituency

FLOODROOMS

MUDROOMS
Public Sediment

SEASONAL CROSSINGS

TERRACE TRAIL
The Flood Terrace Trail
The Peoples Plan: Designing our Own Solutions

Marin County

“DESIGNING OUR OWN SOLUTIONS” FOR RESILIENCY PLANNING
Permaculture + Social Equity (P+Set)
What’s Happening Now?

- Assessment of overall effort; sharing lessons learned
- Developing strategic work plan for advancing work
- Connecting projects with funding; cultivating local and regional champions
To learn more visit: www.resilientbayarea.org