



CHARG: A Strategic Initiative of the Bay Area Flood Protection Agencies Association

[CHARG](#) was initiated in 2014 by public agencies responsible for implementing strategies that reduce the impacts of sea level rise (SLR) and extreme weather on San Francisco Bay shoreline communities. In light of recent collaborative efforts, the CHARG working group is reconvening to provide engineering and technical support to those collaborating on regional, climate adaptation planning, policy, and funding. This effort is being supported as a strategic initiative of the Bay Area Flood Protection Agencies Association ([BAFPAA](#)). We invite the San Francisco Bay and Delta community to partner with a re-focused CHARG to develop site-specific approaches and a regional strategy to shoreline resilience.

CHARG RE-FOCUSED: In view of CHARG's value and of the emergence of Bay Area collaborations focused on climate change and SLR, CHARG's mission will fill a necessary niche on behalf of floodplain and shoreline management stewards. CHARG will partner with other Bay Area collaborators. We will provide an implementers' perspective, based on our real world experience solving relevant similar challenges. We intend to integrate nature-based solutions with more traditional engineering techniques where appropriate and cost effective to reduce near and long-term flood risk while providing multiple benefits.

COLLABORATIVE TRANSPARENT + ACCESSIBLE: CHARG will support collaborative, targeted forums to analyze, evaluate, develop and recommend regional resilience solutions from different sectors. Our work together will also inform essential policy and funding decisions for a resilient living shoreline in an interdependent Bay Area.

CHARG WILL PROVIDE TECHNICAL-BASED SOLUTIONS AS SCIENCE EVOLVES: To re-focus CHARG's goals as defined in the [Strategic Brief \(2015\)](#), CHARG is committed to:

- Develop resilience guidelines and best management adaptation practices for the San Francisco Bay Area and Delta, based on engineering practices and sound science
- Support local, state, federal, business and NGO collaborations focused on climate adaptation solutions
- Evaluate the practical engineering and cost-effectiveness of adaptation measures
- Identify permitting and regulatory changes necessary to implement projects and build resilience to SLR
- Support forums to share real "lessons learned" on adaptation projects and ways to improve outcomes
- Collaborate to address coastal hazards from a regional perspective
- Build community support for SLR adaptation through exchanging ideas and expertise, and communicating technical knowledge on reducing risks from coastal hazards and SLR
- Provide a unified voice based on technical findings that supports regional policies, and financing strategies.

INTERESTED IN CHARG? If you want to join or follow the work of CHARG to align regional resilience from a technical foundation please contact Ellen Cross at 510-316-9657 or CHARG@esassoc.com.