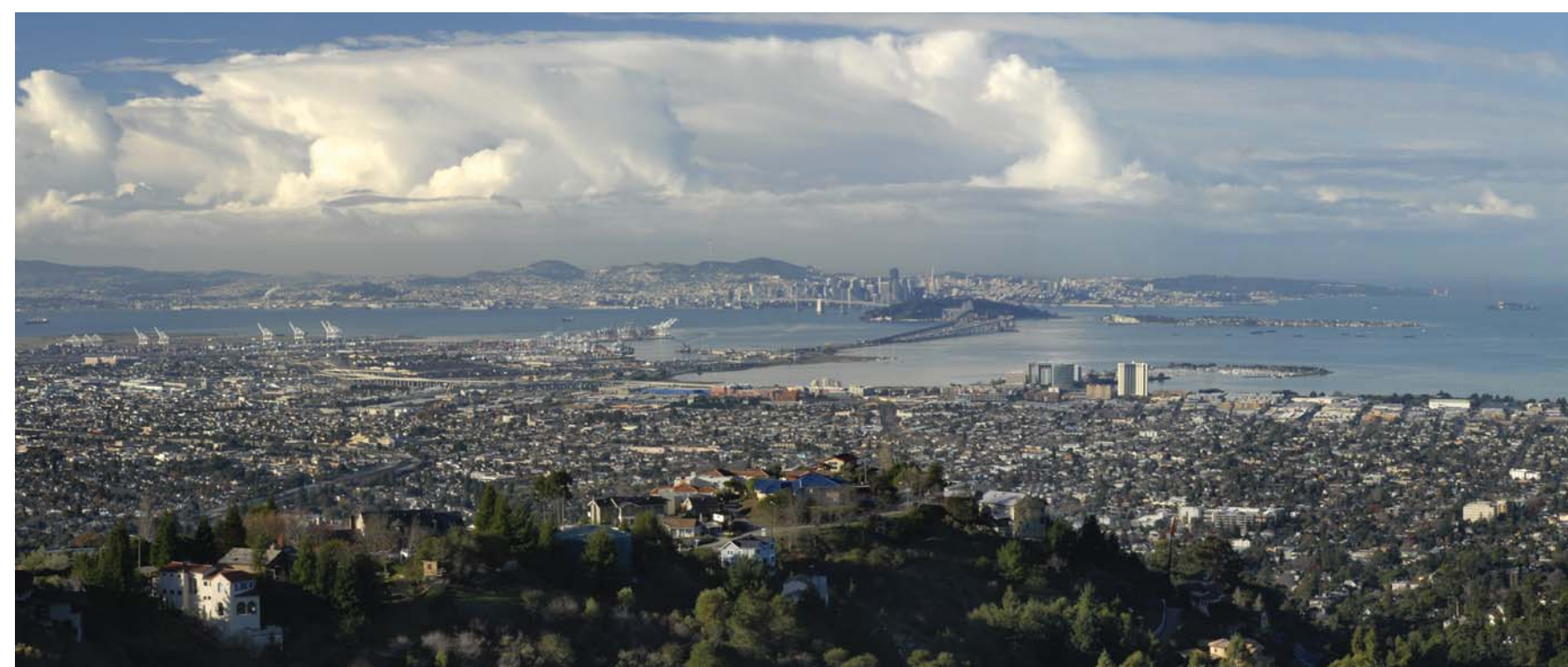


About Adapting to Rising Tides



Project Goal

The goal of the ART project is to increase the preparedness and resilience of Bay Area communities to sea level rise and other climate change impacts while protecting ecosystem and community services.

Overview

The San Francisco Bay Conservation & Development Commission (BCDC) has partnered with the National Oceanic and Atmospheric Administration Coastal Services Center (NOAA CSC) to work with San Francisco Bay Area shoreline communities on planning for sea level rise and other climate change impacts.

The *Adapting to Rising Tides* (ART) project will evaluate potential shoreline impacts, vulnerabilities, and risks; identify effective adaptation strategies that will lead to stronger, more resilient shoreline communities; and develop and refine adaptation planning tools and resources that will be useful to communities throughout the Bay Area.

Project Background

BCDC's assessment of potential impacts at a regional scale, *Living With a Rising Bay*, provided the foundation for the ART project and demonstrated the need to conduct this work at a finer scale. The ART project will build on a number of other projects that are either underway or about to begin, including a recently funded project with the Federal Highway Administration. BCDC and CalTrans are on a project team led by the Metropolitan Transportation Commission to assess the vulnerability of transportation infrastructure within a sub-region. This effort will provide the ART project with additional resources and information.

The selection of the project sub-region will be based upon several criteria and characteristics, including:

- A diversity of land uses and characteristics along the shoreline.
- Regionally significant transportation infrastructure.
- Desire and capacity of decision-makers and staff in the sub-region to become partners in the project.

The community selected for the project will be located within the sub-region. It will be chosen based on discussions with the sub-regional partners and the criteria listed above. The work at the community scale will involve engaging the public as well as local government partners.

Outcomes

Primarily, the ART project will develop and refine a template and tools for use in other communities around the Bay, and define the appropriate planning scales for vulnerability analysis and adaptation planning.

Other critical outcomes of the project are to:

- Improve climate change preparedness by fostering social, environmental and economic adaptation and recovery planning.
- Improve local community capacity to assess, understand and incorporate shoreline vulnerabilities in decision-making.
- Strengthen partnerships in the region to leverage existing planning efforts.
- Support community efforts to address future climate impacts by providing tools and strategies for local shoreline adaptation planning.

Want to learn more?

Visit our website at risingtides.noaa.csc.gov

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