



San Mateo County Sea Level Rise Vulnerability Assessment Technical Working Group Meeting

August 31, 1:00 - 4:00 pm
East Palo Alto City Hall

Project Overview

The County of San Mateo has initiated a sea level rise vulnerability assessment as part of a long-term resilience strategy to ensure our communities, ecosystems, and economy are prepared for climate change. Using the best available science, information from existing relevant efforts, and guidance from stakeholders, the assessment will identify key assets at risk from multiple scenarios of sea level rise and storm events.

Program Stakeholders

- **Technical Working Group (TWG)** is comprised of individuals with a working knowledge of the location, surrounding environment, proximity to sea level rise-associated risks, and the operation of key assets in San Mateo County. Assets may include, but are not limited to: water treatment and pumping facilities, civil infrastructure (e.g. water, power, and sewer), communications and power stations, hospitals, schools, population centers, and natural resources.
 - TWG members will help provide data and information on vulnerable assets, as well as any existing sea level rise efforts. Members will also review work products.
- **Policy Advisory Committee (PAC)** is made up of individuals who are familiar with the formation and/or implementation of regulations, policies or programs related to land uses including but not limited to planning, transportation, business, real estate development, disaster planning and wildlife management as they may be impacted by sea level change, storm surge, high tides, and salt water intrusion. The PAC will also include representatives from special interest groups in the County whose members share this expertise and familiarity.
 - PAC members will help provide high level input into the project.

Please note, the next TWG meetings are scheduled for
December 2015 and February 2016.

Asset Categories

Airport	Natural areas
Community land use, services, and facilities	Parks and recreation areas
Contaminated lands	Seaport
Energy infrastructure and pipelines	Structural Shorelines
Ground transportation	Storm water
Hazardous materials	Wastewater

Classifications for Built Assets as Identified in ASCE in 24-14* (summarized)

Category	Built Asset Description
I	Buildings and other structures that represent a low risk to human health in the event of failure (flood)
II	All buildings and other structures except those listed in categories I, II, IV
III	Buildings and other structures, <ul style="list-style-type: none"> • The failure of which could pose a substantial risk to human health • Not included in category IV, with potential to cause a substantial economic impact and/or mass disruption of day to day civilian life in the event of a flood • Not included in category IV (including, but not limited to facilities that manufacture, process, handle, store, use, or dispose of such substances as hazardous fuels, hazardous chemicals, or hazardous waste) containing toxic or explosive substances where their quantity exceeds a threshold quantity established by the authority having jurisdiction and is sufficient to pose a threat to the public if released.
IV	Buildings and other structures, <ul style="list-style-type: none"> • Designated as essential facilities • The failure of which could pose substantial hazard to the community • (including but not limited to, facilities that manufacture, process, handle, store, use, or dispose of such substances as hazardous fuels, hazardous chemicals, or hazardous waste) containing sufficient quantities of highly toxic substances where the quantity exceeds a threshold quantity established by the authority having jurisdiction to be dangerous to the public if released and is sufficient to pose a threat to the public if released • Required to maintain function of other category IV structures

**American Society of Civil Engineers (ASCE) in ASCE 24-14 Flood Resistant Design and Construction and ASCE 7-10 Minimum Design Loads for Buildings and Other Structures*

Classifications for Human Assets

Class	Human Asset Descriptor
H-DC	Disadvantaged Community

Classifications for Natural Assets

Class	Natural Asset Descriptor	Natural Asset type and examples
N-W	Wetlands	Wetlands, marshes, etc.
N-B	Beaches	Beaches
N-S	Species identified in CNNDDB	Federally or State-listed, threatened, or endangered species
N-G	Groundwater	Groundwater basin or source
N-O	Other	Natural assets not listed in any other category