



SEA LEVEL RISE VULNERABILITY AND CONSEQUENCES ASSESSMENT

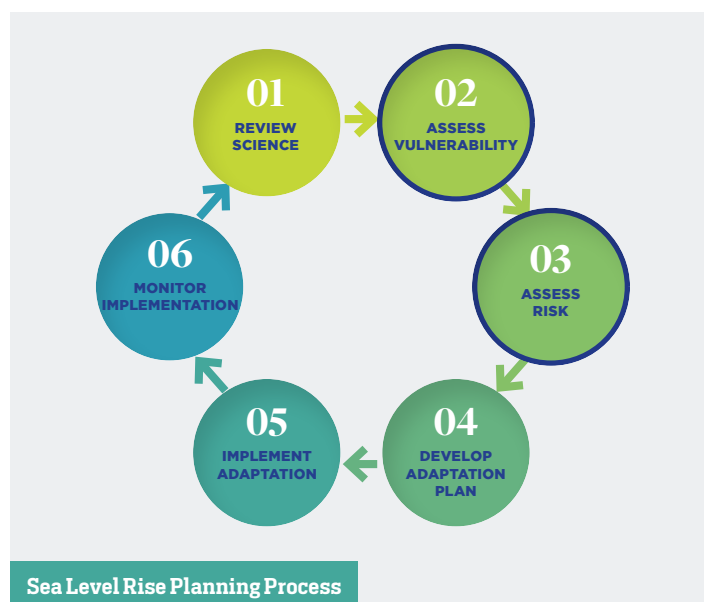
By the end of this century, global heating will cause sea levels around San Francisco Bay may rise three to six feet or more¹. Coupled with more extreme weather patterns, over six percent of San Francisco's land (about four square miles) could be inundated by temporary or permanent flooding. This area is home to more than 37,000 people, 170,000 jobs, and a host of vital infrastructure, including roadways, utilities, emergency services, roads, bridges, transit, parks and open spaces, and the Port of San Francisco.

Recognizing the urgent need to adapt our waterfront communities to sea level rise (SLR) and coastal flooding, and building on the 2016 Sea Level Rise Action Plan², the City has prepared the **Sea Level Rise Vulnerability and Consequences Assessment**.

¹ The Sea Level Rise Vulnerability and Consequences Assessment uses the State of California Sea-Level Rise Guidance (updated in March 2013, based on the best available science, analysis and mapping at the time. In 2018, the State of California Sea-Level Rise Guidance was updated to reflect advances in sea-level rise science and address the needs of state agencies and local governments as they incorporate sea-level rise into their planning, permitting, and investment decisions.

² https://default.sfplanning.org/plans-and-programs/planning-for-the-city/sea-level-rise/160309_SLRAP_Final_ED.pdf

The Assessment describes the vulnerability of public buildings and infrastructure to SLR and coastal flooding, and how it will affect people, the economy, and the environment, with illustrative neighborhood profiles for the City's waterfront communities. The Assessment completes Steps 2 and 3 in the SLR Action Plan process: Assess Vulnerability and Assess Risk.



Sea Level Rise Vulnerability Zone



The Assessment studied 10 SLR scenarios ranging from 12 to 108 inches to understand the City's infrastructure vulnerabilities to intermittent and permanent flooding over time, if no actions are taken to address SLR.

The Assessment identifies City-owned infrastructure within the SLR Vulnerability Zone by sector, including: Transportation, Water, Wastewater, Power, Public Safety, Open Space, and Port Facilities.

The Assessment also includes a series of "Neighborhood Profiles" that describe potential consequences at the neighborhood scale. The Neighborhood Profiles consider how different infrastructure categories impact each other and affect the daily lives and well-being of people living and working in these neighborhoods.

The information in the Assessment will be used to advise decision makers, City agencies, and public stakeholders as they develop, prioritize, design, and build appropriate adaptation strategies to build San Francisco's resilience to SLR.



Mobility



Water



Wastewater



Public Safety



Power



Open Space



Port Facilities

Learn More

Sea level rise and the effects of climate change may seem daunting, but San Francisco is meeting the challenge head on. The City is addressing current and future flooding holistically, considering severe rainstorms, coastal flooding, and SLR citywide. To learn more about this and other City efforts toward fighting the effects of climate change, please visit our website at:

sfplanning.org/sea-level-rise-action-plan

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