

THE PORT OF SAN FRANCISCO

WATERFRONT RESILIENCE PROGRAM

THE PORT OF SAN FRANCISCO manages 7.5 miles of bayside shoreline that is home to some of the region's most popular open spaces and attractions, a national historic district, hundreds of small businesses, nearby housing, and maritime and industrial uses. The Port's jurisdiction includes transportation networks like BART and Muni, critical utilities including drinking and wastewater, and key emergency response facilities. The Port's Waterfront Resilience Program efforts ensure the waterfront, and its important regional and citywide assets, are resilient in the face of hazards such as earthquakes, flooding, sea level rise due to climate change, shoreline erosion, and others.

WATERFRONT RESILIENCE PROGRAM FRAMEWORK

THE PORT DEVELOPED a Waterfront Resilience Framework to address immediate hazards including seismic and flooding, as well as longer term hazards like sea level rise. This adaptive planning framework allows the Port to act now to address risks to life safety and emergency response, while planning for mid- and long-term risks. It also allows the Port to be responsive to community priorities, changes in science, and funding and partnership opportunities.

STRENGTHEN

Immediately implement highest priority disaster response and life safety projects.

ADAPT

Identify policies and projects that will result in a Port that is resilient to seismic and increasing flood risks, and responsive to changing priorities.

ENVISION

Develop visions that can respond to remaining seismic risk and increasing flood risks and long-term sea level rise.

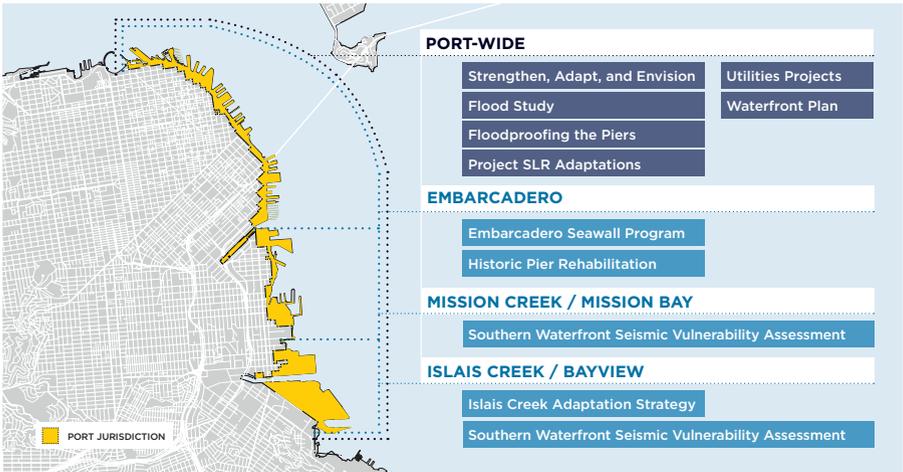
The Port's Waterfront Resilience Program involves close coordination with other City department and regional partners to ensure the work aligns with Citywide and regional guidance, policies, projects, and other efforts.



PORT RESILIENCE EFFORTS

THE WATERFRONT RESILIENCE PROGRAM is an inclusive effort that aligns with many different initiatives. All efforts are accompanied by robust community engagement. The Program includes the following:

- **Embarcadero Seawall Program**
- **USACE/Port Flood Study**
- **Waterfront Plan Update**
- **Historic Pier Rehabilitation Program**
- **Port-wide Resilience efforts** including floodproofing the piers, bulkhead retrofits, the Southern Waterfront Resilience Study, and the Islais Creek Adaptation Study
- **Ongoing project-specific sea level rise adaptation strategies**
- **Ongoing mitigation efforts**



MITIGATING RISKS AND PROMOTING SUSTAINABILITY

THE PORT IS NOT JUST focusing on adaptation. Successful mitigation measures include:

- Over 300,000 square feet of dilapidated pier renovation
- Cleaned contaminated property at Pier 70, Pier 39, and Mission Rock
- New buildings like the Exploratorium, James R. Herman Cruise Terminal are LEED certified and the EcoCenter in the southern waterfront is San Francisco's first LEED Platinum, zero net energy building
- Installed solar at Pier 15, Pier 1, Pier 96, and the San Francisco Giants ballpark
- Partnered with local commercial fishing industry to reduce packaging and fish processing related waste
- Cut air emissions from maritime operations by more than half
- Provided zero-emission hydropower to cruise ships at Pier 27 and to large military, government, and commercial ships at Pier 70
- Worked with ferry provider partners to transition water fleets to renewable diesel by 2020
- Transitioned the Hyde Street Harbor public fuel dock in Fisherman's Wharf to renewable diesel