



# Waterfront Resilience Program Development Strategy & Planning Framework

San Francisco Port Commission Agenda Item #xx

March 9, 2021



# PRESENTATION OVERVIEW

## Port Commission Guidance Requested on WRP Development Strategy + Decision Framework



- WRP Overview
- Adapt Plan Overview
- Adapt Plan Alternatives
- Planning Framework:
  - Vision Statement & Principles
  - Evaluation Criteria
  - Prop A Funding Guidelines
  - Adapt Plan & Adaptation Design Guidelines

# WATERFRONT RESILIENCE PROGRAM: YOUTH ENGAGEMENT

Video by BAYCAT: Innovative Media Firm Working with SF Low-Income Youth and Young People of Color



- WRP youth engagement special events are kicking off mid-March
- Working with up to 15 youth-serving organizations across the city to educate and engage youth in the work of the WRP
- Youth engagement led by Bonner Communications
- Future opportunities to work with BAYCAT and support youth from low-income neighborhoods

# WATERFRONT RESILIENCE PROGRAM

## Overview



# WATERFRONT RESILIENCE PROGRAM PLANNING FRAMEWORK

## Key Elements for Program Development



Program **vision statement and principles** that are intended to capture Port and public values to guide Program development



Develop and evaluate seismic and flood alternatives using evaluation criteria in 4 categories: **feasibility and performance, society and equity, economy and environment**

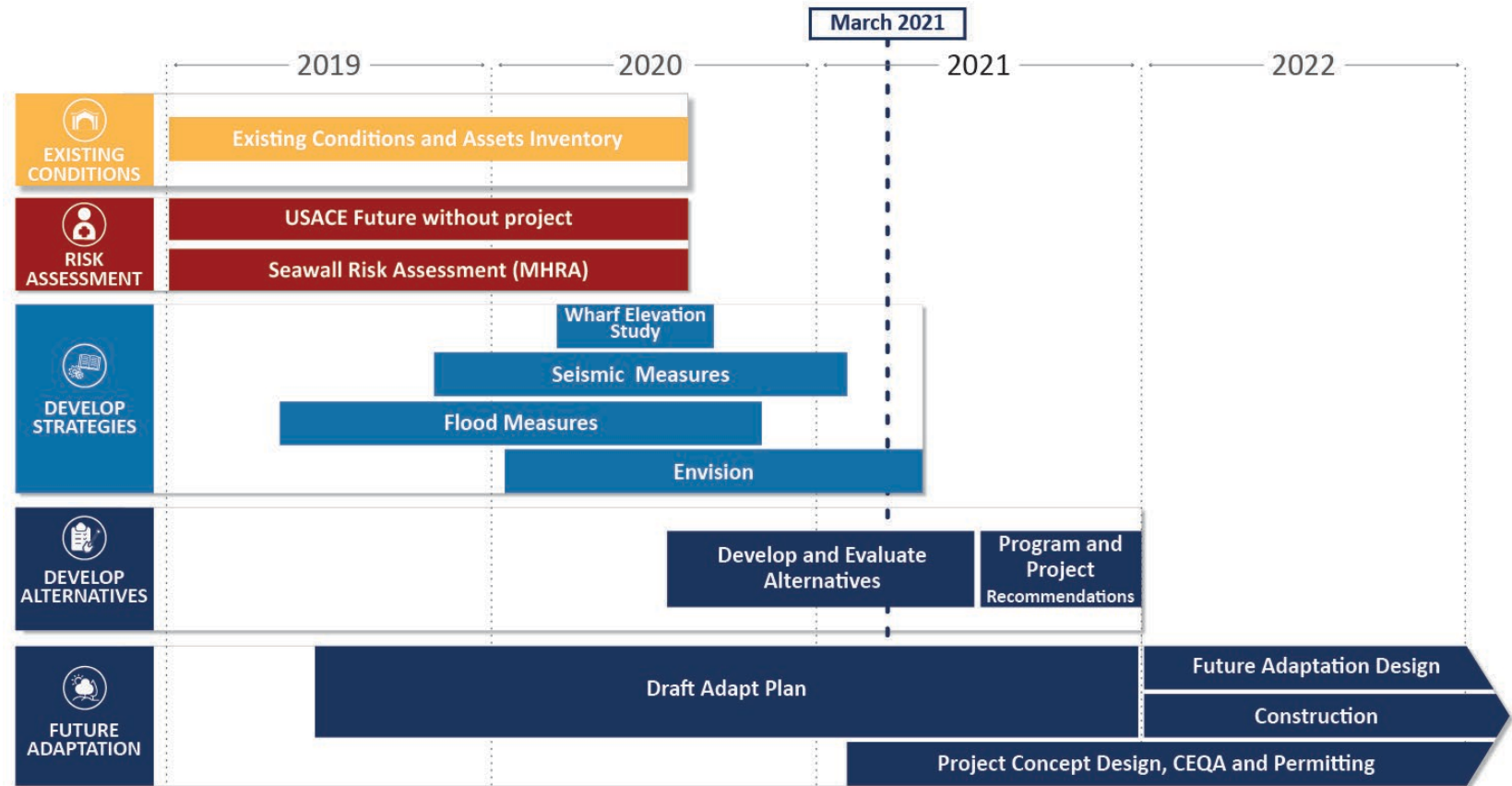


Port Commission **endorsement of one or more preferred geographically-scaled seismic and flood alternatives.**



**Proposition A Funding Guidelines** to support staff recommendations to the Port Commission for initial Proposition A projects

# DEVELOPMENT OF THE WATERFRONT RESILIENCE PROGRAM



CEQA: California Environmental Quality Act

# Adapt Plan Overview

Port of San Francisco's  
"Roadmap to Resilience"



# ADAPT PLAN

## Overview and Key Highlights



- **Project Area:** Fisherman's Wharf to Heron's Head Park
- **Timing:** End of 2021
- **Focus:** Guide action to reduce seismic and climate change risks; includes recommendations for Proposition A projects and additional early project recommendations, the USACE Flood Resiliency Study alternatives and the other adaptation actions to achieve the Program vision statement.



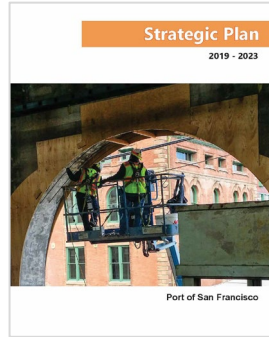
# ADAPT PLAN

## The Adapt Plan is Consistent with Other Port Planning Efforts



Waterfront Plan

**Update:** in process, undergoing environmental review 2022  
**Planning horizon:** 10-20 years, reviewed every 5 years  
**Area of focus:** Port's core mission, public trust responsibilities, role as enterprise agency



Strategic Plan

**Updated:** updated bi-annually  
**Planning horizon:** 2-5 years  
**Area of focus:** Port's core mission, public trust responsibilities, Port work plan priorities



Adapt Plan

**Updated:** reviewed every 5 years, updated as needed  
**Planning horizon:** next century  
**Area of focus:** Resilience and adaptation for the Port, City, and community over time

# RESOURCE AND REGULATORY CONSIDERATIONS

## WRP Adapt Plan



### **PUBLIC TRUST & REGULATORY CONTEXT**

Describe public trust doctrine, and local, State and Federal resource and regulatory agencies, and regulatory context.



### **ENVIRONMENTAL CONSIDERATIONS**

Contextualize environmental considerations relative to clean water, ecology, and climate regulatory frameworks.



### **HISTORIC RESOURCE CONSIDERATIONS**

Contextualize historic district and contributing asset considerations relative to historic preservation frameworks.

# WRP Draft Vision Statement and Draft Principles



Waterfront Resilience Program

# WATERFRONT RESILIENCE PROGRAM DRAFT VISION STATEMENT

Affirmed through robust community engagement



The Port's Waterfront Resilience Program will take actions to **reduce seismic and climate change risks** that support a safe, equitable, sustainable, and vibrant waterfront.



**Guidance Requested:** Does this vision statement reflect Port Commission values? Are there changes to the draft vision statement the Port Commission would like staff to incorporate?


# WATERFRONT RESILIENCE PROGRAM DRAFT PRINCIPLES

Affirmed through robust community engagement

- **Prioritize** life safety and emergency response
- **Advance** equity throughout the Waterfront Resilience Program, including through community and stakeholder engagement, planning, contracting, jobs and decision-making
- **Enhance** and sustain economic and ecological opportunities
- **Inspire** an adaptable waterfront that:
  - Improves the health of the Bay
  - Ensures public access to the waterfront and historic places and an inviting waterfront for all
  - Protects and preserves historic and maritime resources
  - Provides opportunities for diverse families, businesses, and neighborhoods to thrive
- **Lead** a transparent, innovative, collaborative, and adaptive Program



**Guidance Requested:** Are there any further principles the Port Commission would add to guide the Port's resilience work?



# Adapt Plan Alternatives: Developing the Waterfront Resilience Program



Waterfront Resilience Program

# ADAPT PLAN ALTERNATIVES

## Actions Comprising an Adapt Plan Alternative



### CONSTRUCTION PROJECTS

Including physical improvements such as seismic upgrades and/or coastal flood risk reduction infrastructure



### POLICIES

Seismic performance standards for buildings and infrastructure

City flood protection standard

Relocation of critical assets

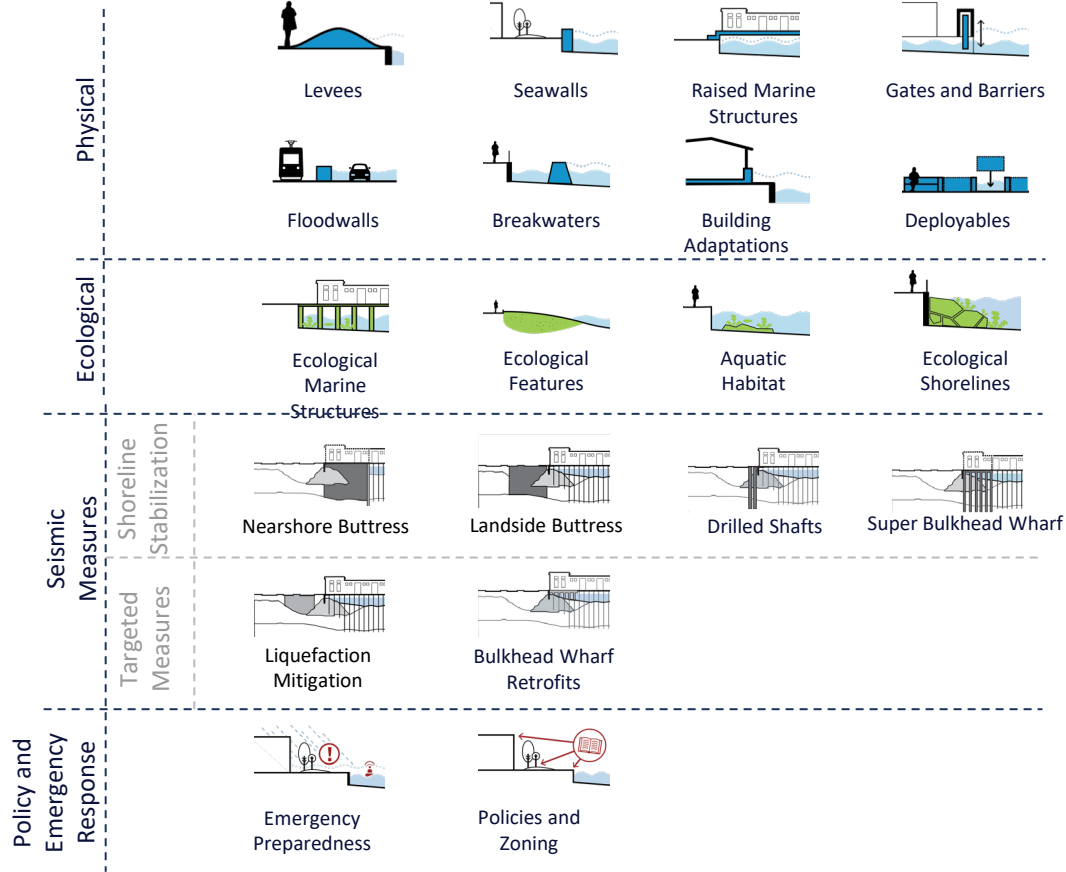


### PLANNING STUDIES + STAKEHOLDER ENGAGEMENT

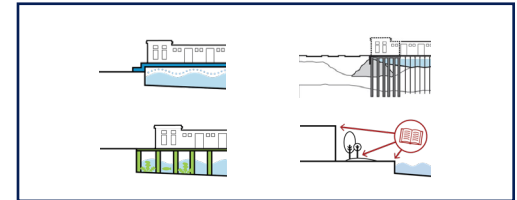
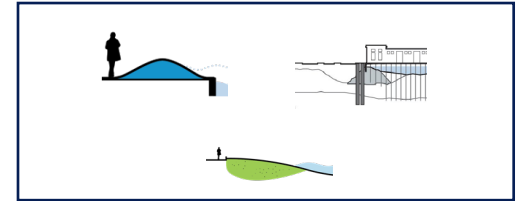
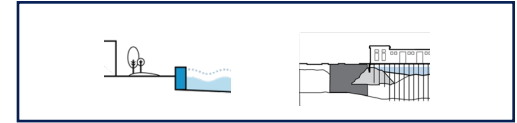
Including further engineering and technical evaluations or multi-stakeholder planning efforts

# MEASURES AND APPROACHES

## WRP Adapt Plan



## APPROACHES



Seismic and flood measures will be combined to develop alternatives that reduce both risks.



# REQUESTED PORT COMMISSION GUIDANCE

## Alternatives Development



- **Questions** – does the Port Commission have any questions or concerns related to the Adapt Plan Alternatives development process?

A nighttime photograph of a street corner in San Francisco. On the left, a large circular sign for 'FISHERMANS WHARF' is visible, featuring a crab illustration. The street is illuminated by streetlights and the vibrant red neon lights of a building on the right. Pedestrians are walking on the sidewalk, and a green traffic light is visible. A dark blue rectangular overlay covers the left side of the image, containing the text 'Evaluation Criteria'.

# Evaluation Criteria

# WRP EVALUATION CRITERIA

Why are they important?

- Ensure that **Program development** considers vision statement, principles, and objectives as developed with stakeholders
- Provide stakeholders with **direct input** into Program development
- Create a **transparent and accountable approach** to Program development
- Clearly identify **trade-offs** or additional **benefits**
- Allow Port team to **compare alternatives in each geography and to recommend preferred alternatives**



**Feasibility & Performance**



**Society & Equity**



**Economic**



**Environment**

# WRP EVALUATION CRITERIA

## Categories and Criteria



### FEASIBILITY & PERFORMANCE

Feasibility

Adaptability

Performance

Partnerships

Construction

Utilities



### SOCIETY + EQUITY

Life Safety

Historic character

Emergency Response

Social Cohesion and

Mobility

Community Resilience

Urban Design

Equitable investments

Equitable outcomes



### ECONOMIC

Direct Physical Damage  
Avoided

Capital Costs

Disruption Avoided

Lifecycle Considerations

Economic Resilience

Number of jobs

Diversity of jobs



### ENVIRONMENT

Environmental Risks

Environmental  
Opportunities

# REQUESTED PORT COMMISSION GUIDANCE

## Evaluation Criteria



- **Additions** – would the commission suggest and additions or amendments to the evaluation criteria in Exhibit B?
- **Comparing, Not Scoring** – is the Port Commission comfortable that staff will analyze and compare alternatives but not produce total scores?

# Draft Proposition A Funding Guidelines



# DRAFT PROPOSITION A FUNDING GUIDELINES

## Introduction

1 Life Safety & Disaster Response

2 Sufficient Funding/More Analysis or Planning Needed

3 Partnership Opportunities

4 Equity

5 Proposition A Schedule & Program

6 Planned Rehabilitation

7 Lease Extension

- Funding guidelines help to determine **specific assets and locations** for first investment in the Embarcadero Seawall area.

**Guidance Requested:** Are there factors that we have missed that the Port Commission wants us to incorporate in Prop A Funding Guidelines?

# Adaptation Design Guidelines





# ADAPT PLAN: ADAPTATION DESIGN GUIDELINES

## Design Guidelines Overview



Boston Planning & Development Agency

- Builds upon existing design guidelines, provides guidance on elevations, design approaches for resilience actions that will result in a consistent, functional and desirable waterfront
- Provides a framework for adapting the waterfront over time
- Outlines adaptation pathways for spaces along the waterfront
- Includes standards and guidelines for all Port property regarding adaptation
- Complements existing Port design guidelines

**Guidance Requested:** Does the Commission have any questions or direction for the Port's WRP team as we advance the Adaptation Design Guidelines?

# Thank You!

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