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
• 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

1. EMBARCADERO
   - Embarcadero Seawall Program

2. MISSION CREEK / MISSION BAY
   - Southern Waterfront Seismic Vulnerability Assessment

3. ISLAIS CREEK / BAYVIEW
   - Southern Waterfront Seismic Vulnerability Assessment
   - Islais Creek Adaptation Strategy

Related Port Projects
- Project SLR Adaptations
- Utilities Projects
- Waterfront Plan
- Historic Pier Rehabilitation

PORT-WIDE
- Adapt Plan
- USACE Flood Resiliency Study
- Floodproofing the Piers

SAN FRANCISCO BAY
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.
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.
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
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
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

Physical
- Levees
- Floodwalls
- Seawalls
- Breakwaters
- Raised Marine Structures
- Gates and Barriers
- Building Adaptations
- Deployables

Ecological
- Ecological Marine Structures
- Ecological Features
- Aquatic Habitat
- Ecological Shorelines

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

Seismic Measures
- Nearshore Buttress
- Landside Buttress
- Drilled Shafts
- Super Bulkhead Wharf

Targeted Measures
- Liquefaction Mitigation
- Bulkhead Wharf Retrofits

Policy and Emergency Response
- Emergency Preparedness
- Policies and Zoning
REQUESTED PORT COMMISSION GUIDANCE
Alternatives Development

• **Questions** – does the Port Commission have any questions or concerns related to the Adapt Plan Alternatives development process?
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
## WRP EVALUATION CRITERIA

### Categories and Criteria

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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
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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