The Policies for a Rising Bay Project

Steering Committee Meeting #4

March 29, 2016

Welcome & Meeting Objectives

- Describe case studies and present key points of the policy analysis to develop a shared understanding of how current BCDC laws and policies apply to the case-study solutions
- Discuss key policy questions that arise out of the case study analysis
- Discuss equity recommendations with the Environmental Justice Subcommittee

What have we been up to?

- Developed Airport and Contaminated Lands Case Studies & Analysis
- BCDC Staff Discuss Case Studies
- Environmental Justice Subcommittee Meeting

Project Progress

- Guidance on the application of existing fill policies
- Explore policy alternatives for Commission consideration

Overarching Policy Goals

- Facilitate projects with multiple benefits that emphasize nature-based adaptation solutions wherever feasible and that are adaptable in a dynamic estuary;
- Promote equitable management of the Bay to increase resilience in vulnerable communities;
- Preserve, restore, and enhance Bay ecosystem diversity; and
- Support sustainable development, economic health, and quality of life of the Bay Area.

Agenda

- Welcome, Introductions & Announcements
- Airport Case Study
- Discussion
- Contaminated Lands Case Study
- Discussion
- Report Back
- Environmental Justice Subcommittee Meeting

The
Policies for a Rising Bay
Project

Case Studies & Analysis

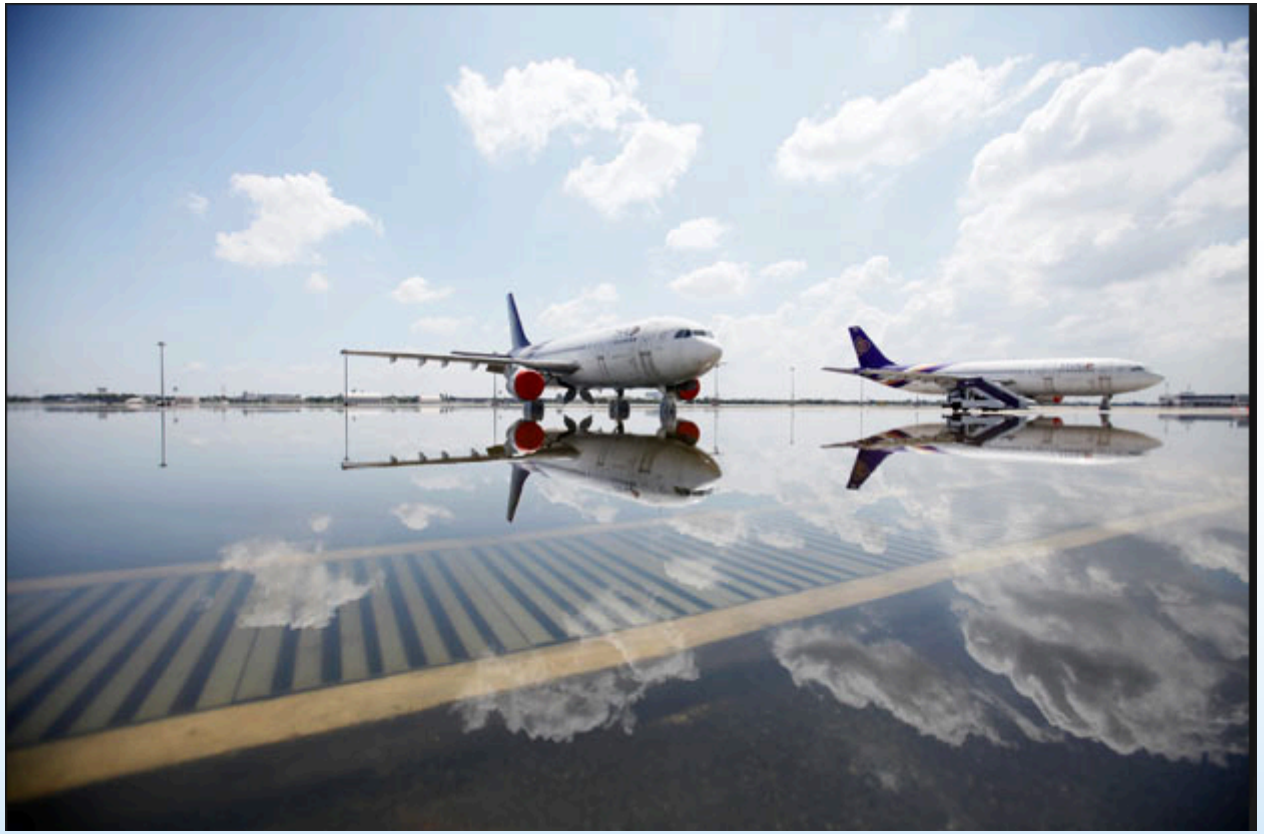
Miriam Torres

Case Study Changes

- Goal: focus on key policy issues
- Case study description is similar to a Notice of Preparation
- Policy analysis is modeled after a comment letter

Airport Case Study

- Purpose: Fortify perimeter to meet current flood risk standards and make the airport resilient to 2050



Project Proposal

- Address height deficiencies and gaps in perimeter dike
- Install new embankments and deep cement-soil mix walls, and underground rock columns
- Maintenance & Adaptive Management
  - Additional riprap
  - Explore onsite protection and collaboration with neighbors

Probable Environmental Impacts

- Air Quality
- Biological Resources
- Geology and Soils
- Hydrology and Water Quality
- Land Use and Planning
- Noise and Vibration

Policy Issues

- Shoreline Protection
  - Consideration of sea level rise combined with flooding from storms

Policy Issues

- Environmental Justice
  - Airport can flood from neighboring land uses by 2050
  - Integration with current or planned shoreline protection

Policy Issues

- Adaptive Management
  - Raising dike heights over time

Discussion

Contaminated Lands Case Study

- Purpose: Improve a closed landfill's shoreline protection to meet current flood risk standards and be resilient to 2050

Project Proposal

- Replace degraded concrete revetment.
- Install engineered graded rocky revetment topped with riprap.
- Maintenance & Adaptive Management
  - Semi-annual monitoring as required by RWQCB.
  - Raise revetment height with supplementary graded material to protect until 2100 (if needed).
  - Cutoff slurry wall to protect groundwater against saltwater intrusion (if needed).

Probable Environmental Impacts

- Air Quality
- Biological Resources
- Geology and Soils
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise and Vibration

Policy Issues

- Shoreline Protection
  - Project is designed to be resilient to mid-century, and adaptable beyond 2050
  - Project should meet sound engineering criteria
  - Applicant should consider using innovative SLR adaptation strategies

Policy Issues

- Environmental Justice
  - Assess consequences of upgraded revetment on adjacent land uses
  - Discuss efficacy of proposal and alternatives to prevent discharge of pollutants due to changing groundwater levels, flow direction and rates, and salinity as sea level rises
  - Protection should be integrated with current or planned adjacent shoreline protection measures

Policy Issues

- Adaptive Management
  - Risk assessment and best available SLR projection should be used in adaptive management plan
  - Monitoring and Adaptive management plan should demonstrate how project will prevent pollutants from entering Bay

Discussion

Report Back

Next Steps

- Draft Summary Report: Guidance and Recommendations
- Steering Committee Meeting #5 in May
- Final Summary Report

Environmental Justice Subcommittee Agenda

Overview of 3/21 Meeting

Discussion – Subcommittee Members Provide Feedback

Sea Level Rise and Fill-related Impacts on Environmental Justice Communities

- How BCDC could address potential impacts with existing policies
- Policy changes that may be necessary to address potential impacts
- Other ways BCDC has influence over equity and environmental justice

Next Steps

Sea Level Rise and Fill-related Impacts on Environmental Justice Communities

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Next Steps