Plan Bay Area 2050: Integrating Sea Level Rise

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Plan Bay Area 2050: Resilient, Equitable Strategies

Vision: Ensure by the year 2050 that the Bay Area is affordable, connected, diverse, healthy and vibrant for all.

- Transportation Strategies
- Housing Geographies & Strategies
- Economic Geographies & Strategies
- Environmental Strategies
Plan Bay Area 2050: Process & Schedule

**NOVEMBER 2020**

**Horizon**

**2019**

**Public Engagement**

- Perspective Papers

**Policy & Advocacy**

- Futures Final Report

**Scenario Planning**

- Draft Blueprint

**Technical Analyses**

- Project Performance

**Other**

- Forecast, Needs, Revenues Prep

**2020**

**Plan Bay Area 2050**

- Final Blueprint

**Implementation Plan**

- Draft Plan Document

**2021**

- Final Plan Document

- Draft EIR

- Final EIR

- RHNA Proposed Methodology

- RHNA Draft & Final Methodology

- RHNA Appeals, etc.

= Major Policy Board Decisions
Final Blueprint: 11 Themes and 35 Bold Strategies

- Maintain and Optimize the Existing System
- Create Healthy and Safe Streets
- Build a Next-Generation Transit Network
- Protect and Preserve Affordable Housing
- Spur Housing Production at All Income Levels
- Create Inclusive Communities
- Improve Economic Mobility
- Shift the Location of Jobs
- Reduce Risks from Hazards
- Expand Access to Parks and Open Space
- Reduce Climate Emissions

Cross-cutting Themes:
- Resilience
- Equity
Bold Strategies for a Healthier Environment

Strategies to tackle climate change:
• Expand Clean Vehicle Initiatives
• Fund Energy Upgrades to Enable Carbon Neutrality in Existing Buildings
• Expand Transportation Demand Management Initiatives
• Institute Telecommuting Mandates for Major Office-Based Employers
  • Commission will further review this strategy by December 2020

Strategies to expand access to parks and open space:
• Modernize and Expand Parks, Trails, and Recreation Facilities
• Protect and Manage High Value Conservation Lands
• Maintain Urban Growth Boundaries

Strategies to protect tens of thousands of Bay Area homes:
• Adapt to Sea Level Rise
• Provide Means-Based Financial Support to Retrofit Existing Residential Buildings
Final Blueprint: Integrating Sea Level Rise

- The “Adapt to Sea Level Rise” strategy has gone through many analyses, and has been refined through a series of steps.
- Plan Bay Area 2050 will be the first time sea level rise is integrated into the long-range plan.
Final Blueprint: Mapping Sea Level Rise and Identifying Significant Exposure

- **Assumed 2 feet of permanent inundation by 2050**
  - Based on 0.5% exceedance in 2018 OPC Guidance
- **Leveraged BCDC mapping to flag inundation areas with:**
  - Existing socially vulnerable communities
  - Existing urban and suburban neighborhoods
  - Future growth areas
  - Transportation corridors with significant volumes
- **Costed a buyout program for unflagged parcels with residences**
Final Blueprint: Cost Generic Adaptations for Areas with Flagged Impacts

Generic adaptations were used to create high level cost assumptions for the strategy

- Known existing concepts were integrated into the plan
- Where no specific adaptation was known for a segment of flagged shoreline, staff leveraged tools like the Adaptation Atlas, and subject matter expert guidance.
The analysis estimates future financial **needs** related to critical expenditure categories for Plan Bay Area 2050, and the baseline available **revenues** to support the work.

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<tr>
<th>NEEDS ASSESSMENT</th>
<th>EXISTING REVENUE</th>
<th>PROPOSED REVENUE</th>
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<tr>
<td>(Based on 2 feet of sea level rise)</td>
<td>(30-year estimate of sea level rise eligible sources)</td>
<td>($8B projected from resilient transportation sources)</td>
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<td>$19 Billion</td>
<td>$3 Billion</td>
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Sea Level Rise Outcomes in Plan Bay Area 2050 Draft Blueprint

Housing
89,000 units protected, 2,000 units still at risk

Jobs
166,000 jobs protected, 10,000 jobs still at risk

Environment
100,000 acres of marsh adaptation projects

Transportation
All major highway and rail corridors protected at 2 feet of sea level rise
The Final Blueprint and Implementation Plan

Final Blueprint

Planning Timeframe
30-year planning horizon

Description
A package of strategies (policies and investments) for local, regional, and state governments

Milestones
Strategies defined in Sept. 2020
Outcomes analyzed in Dec. 2020

Implementation Plan

Planning Timeframe
2021 through 2025

Description
Near term actions for MTC/ABAG in partnership with other public, private, and non-profit entities

Milestones
Kickoff in November 2020
A **strategy** is either a public policy or a set of investments that can be implemented in the Bay Area over the next 30 years; a strategy is not a near-term action or legislative proposal.

Implementation **actions** are the specific actions that will be required to advance the Plan Bay Area 2050 Final Blueprint strategies in the next one-to-five years.
Implementation Plan Objectives

Staff will have the following objectives for each Plan strategy with respect to implementation:

1. Identify requirements for strategy success
   - Authority, financial resources, technical capacity, public/political support

2. Identify MTC/ABAG role
   - Lead, partner, support

3. Identify vehicles for strategy implementation
   - Advocacy/legislation (including outreach/communications, regulation, etc.)
   - New or ongoing initiatives (policy, project/program, convening/task force)
   - Planning and research (technical assistance, data and modeling)

4. Recommend detailed implementation actions
   - Include key details like timeframe for implementation
Complementary Initiatives

- Alignment on these initiatives will focus on coordination with both outreach, and action development.
- BCDC’s Joint Platform Actions and MTC/ABAG’s Implementation Actions are intended to be mutually supportive.

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Legend:
- create first draft
- shop final draft
- craft & adopt final

Release dates:
- SFEP planned Feb. 2022
- Delta Adapts planned Apr. 2022
Looking Ahead

Final Blueprint
Sept 2020 - Early 2021

Final analysis on the regional Adapt to Sea Level Rise strategy will be presented to MTC/ABAG boards after public release in January.

Implementation Plan
Nov 2020 - Summer 2021

The first step in the process occurs November 17 and 19 at virtual workshops. Join the mailing lists below to hear about more opportunities to engage.

Mailing Lists

Plan Bay Area 2050 Mailing List
https://www.planbayarea.org/your-part/mailing-list

Regional Advisory Working Group Mailing List
https://mtc.ca.gov/about-mtc/what-mtc/mtc-organization/partnership-committees/regional-advisory-working-group

Contact

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