

Today's Webinar

Quick Introduction to Plan Bay Area 2050

Futures Process Overview Early
Futures
Findings
(Round 1)

Current Futures Analysis (Round 2)

Q&A + Upcoming Webinars

What is Plan Bay Area?

- The regional plan is a blueprint for growth and infrastructure for the next 30 years.
- The regional plan is **updated every four years**, with this major update due in 2021.
- The regional plan is a reflection of the shared priorities of the diverse ninecounty San Francisco Bay Area.
- The regional plan is **fiscally-constrained**, even as it aspires to tackle the Bay Area's big challenges with specific strategies.
- The regional plan is <u>not</u> an expenditure plan; it is focused on setting priorities and over the long term and looking holistically across "silos".



Plan BayArea 2040

HORIZON

PLAN BAY AREA 2050

Spring 2015 to July 2017

February 2018 to October 2019

September 2019 to June 2021

High-performing strategies and projects from *Horizon* - those that are resilient to uncertainties - will be recommended for inclusion in the Preferred Plan Bay Area 2050 (RTP/SCS).

What Topic Areas Do These Efforts Tackle?

Horizon and Plan Bay Area 2050 are addressing four core topic areas, as we work to create a long-range integrated regional vision for the next 30 years.









Housing



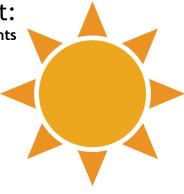
Economic Development



Environment

https://www.planbayarea.org/2050-plan/plan-bay-area-2050-events

Plan Bay Area 2050: Summertime Webinar Series



Growth Framework Update

- June 26, July 1 & July 10
 - New Criteria and Submitting Letters of Interest/Letters of Confirmation

Preparing for Plan Bay Area 2050

- July 9
 - Public Engagement Process Overview
- August 6
 - Bay Area Spatial Information System (BASIS)
- To Be Scheduled
 - Horizon Perspective Paper5: Bay Crossings
 - Looking Ahead: The Vision for Plan Bay Area 2050

Target audience:

Stakeholders & interested public

In Case You Missed It! (ICYMI)

- July 30
 - ICYMI: Horizon Futures Round 1 Analysis
- August 14
 - ICYMI: Horizon Perspective Paper 1 - Autonomous Vehicles

Target audience:

Cities, counties, and CTAs

Target audience:

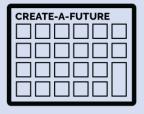
New stakeholders/ public 6





Futures Process

OUTREACH







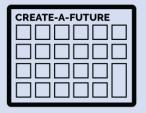






Futures Process

OUTREACH











ROUND 1 ANALYSIS

Current Strategies





REPORT





Futures Interim Report: Opportunities and Challenges

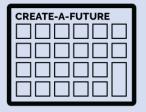
The full report highlights a broader suite of opportunities and challenges, delving into specifics for each future.

Go to: mtc.ca.gov/our-work/plans-projects/horizon/futures-planning



Futures Process

OUTREACH











ROUND 1 ANALYSIS

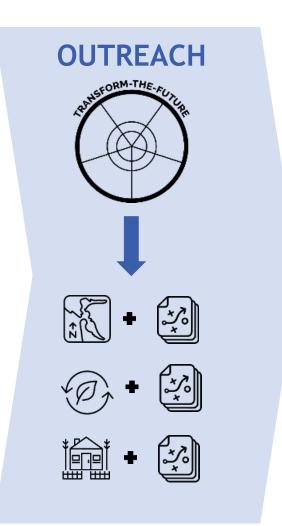
Current Strategies





REPORT

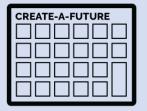






Futures Process

OUTREACH











ROUND 1 ANALYSIS

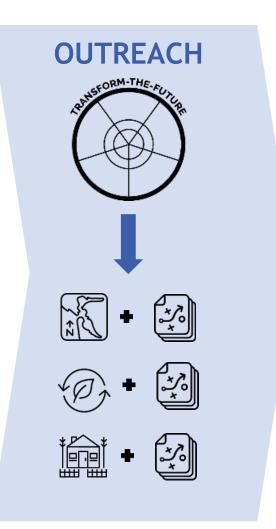
Current Strategies





REPORT





ROUND 2 ANALYSIS

New Strategies



REPORT



14

Futures Analysis

Plan Bay Area 2040
Adopted in July 2017

Horizon Futures Round 1 Analysis

- How does the region's currently-adopted Plan fare in an era of uncertainty?
- What are the opportunities and challenges the region may face?

Horizon Futures Round 2 Analysis

- How might new strategies result in improved outcomes in each future?
- Which strategies are effective across many futures?



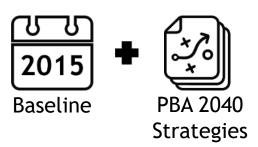




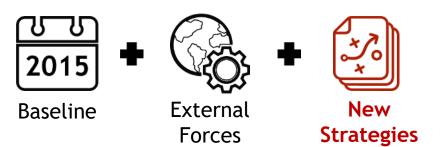












Refresher: What is a Strategy?

A **strategy** is a policy (such as upzoning around transit stations or pricing all freeways) or investment (such as a short list of major rail extensions, or a package of sea level rise infrastructure) that can be advanced and implemented by local, regional, or state government.

This differs from an <u>external force</u>, introduced in Futures Round 1 and carried over into Futures Round 2, which occurs on a national or global level and remains firmly outside the control of Bay Area residents, businesses, or local elected officials.



Trend reduced, lower, limited than today.
Trend similar to today.
Trend increased, higher, more rapid than today

FUTURE NAME	IMMIGRATION AND TRADE	NATIONAL TAXES AND FUNDING	NATIONAL GROWTH	LAND USE PREFERENCES	NATIONAL ENVIRONMENTAL POLICY	NEW TECHNOLOGIES	NATURAL DISASTERS
Rising Tides,	Reduced	Lower funding due to tax cuts	Limited	Housing: more urban	Relaxed regulations (3' SLR)	More limited	Magnitude 7.0 Hayward Fault earthquake
Falling Fortunes				Similar to today			
Clean	Similar F	Similar to today Higher funding via carbon tax	Similar to today	Housing: more urban	Stricter regulations (1' SLR)	Widespread	Magnitude 7.0 Hayward Fault earthquake
and Green	to today			Jobs: more dispersed			
Back to	Increased Similar to today	Donid	Housing: more dispersed	Similar	\A/idaanuas d	Magnitude 7.0	
the Future			Rapid	Jobs: more urban	to today (2' SLR)	Widespread	Hayward Fault earthquake



Plan Bay Area 2040 Policies

Land Use

- Assign higher density than currently allowed by cities in select PDAs.
- Keep urban growth boundaries in place.
- Preserve and incorporate office space caps in some job-rich cities.
- Assume 10% inclusionary zoning for all for-profit housing development.
- Assume eased parking minimums, streamlined process, and subsidies stimulate development in PDAs.

Transportation

- Operate and Maintain Fix-it-First; Ongoing Operations
- Modernize Caltrain Electrification, BART Core Capacity, New BRT Lines, Bay Area Forward, etc.
- Expand BART to Silicon Valley, Caltrain DTX, Express Lanes Network, etc.

Three Futures

By imagining three different futures for the Bay Area, we can begin to explore the impacts associated with each path forward.



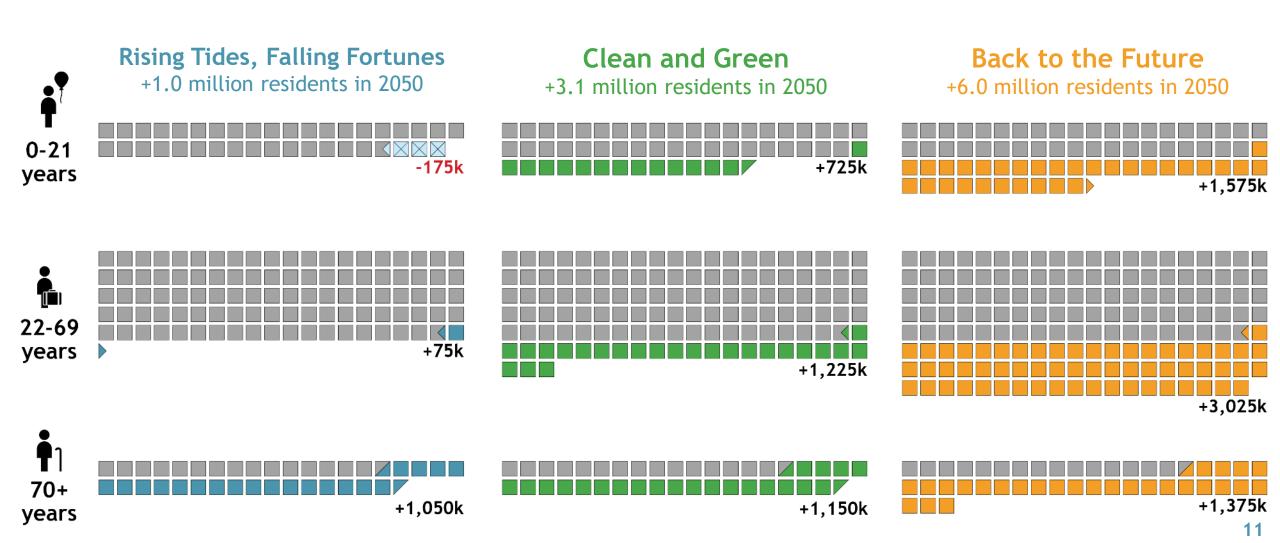




Population Growth

■ = 50,000 residents.

a single line represents 1 million residents



Housing Growth

Circle color is representative of year.



Clean and Green

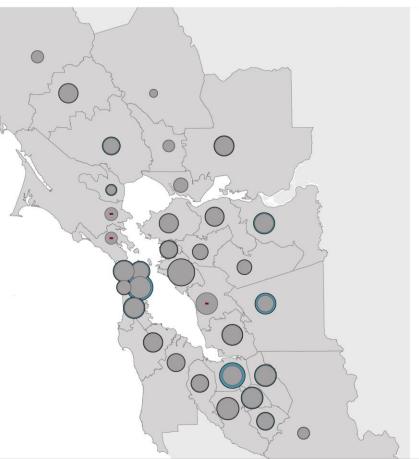
+1.3 million units by 2050

Circle area is representative of the number of homes.

50k 100k 500k

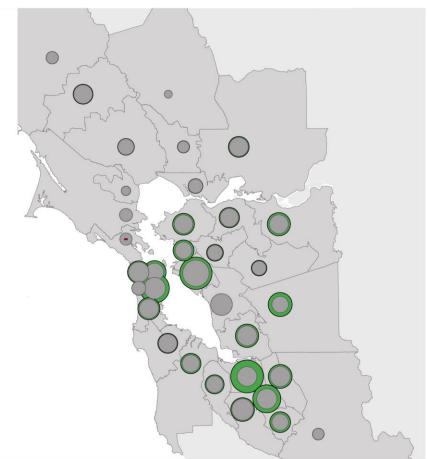
Back to the Future

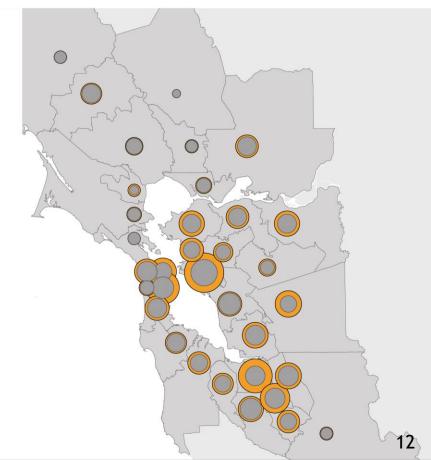
+2.1 million units by 2050



Rising Tides, Falling Fortunes

+0.5 million units by 2050





Job Growth

Circle color is representative of year.

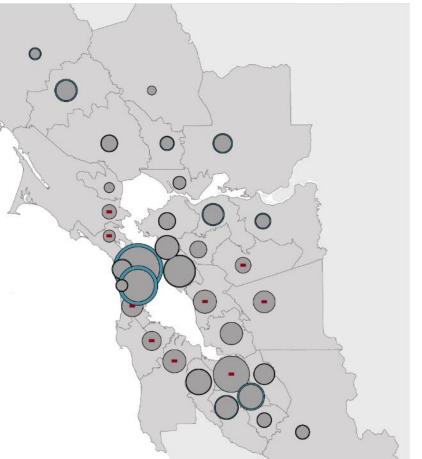
Circle area is representative of the number of jobs.

50k 100k 500k

Clean and Green

+1.1 million jobs by 2050

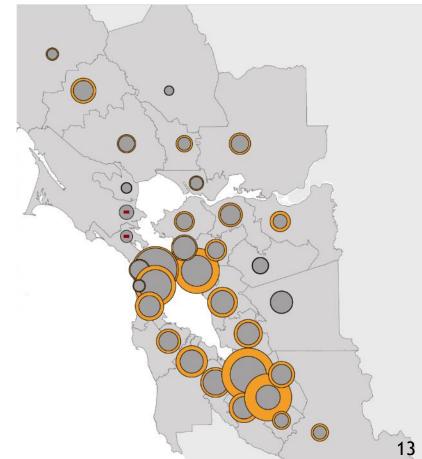
Back to the Future +2.7 million jobs by 2050



Rising Tides, Falling Fortunes

+0.5 million jobs by 2050





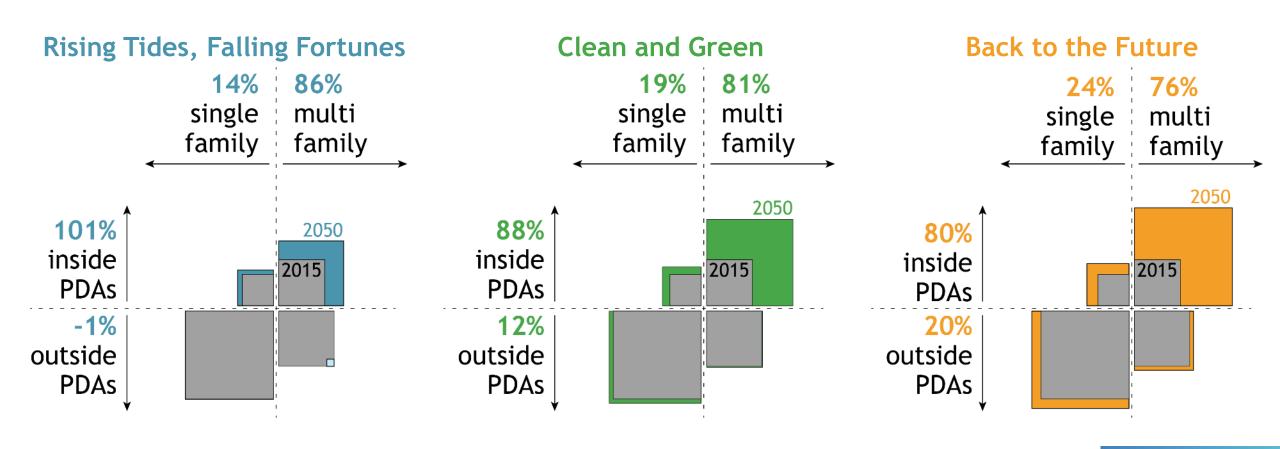
Opportunities & Challenges: Top 10 Findings

We have explored the opportunities and challenges associated with each future across the five Guiding Principles of Horizon.

Opportunity



Priority Development Areas (PDAs) thrive in all three futures, putting a greater share of residents close to higher-quality affordable transit.



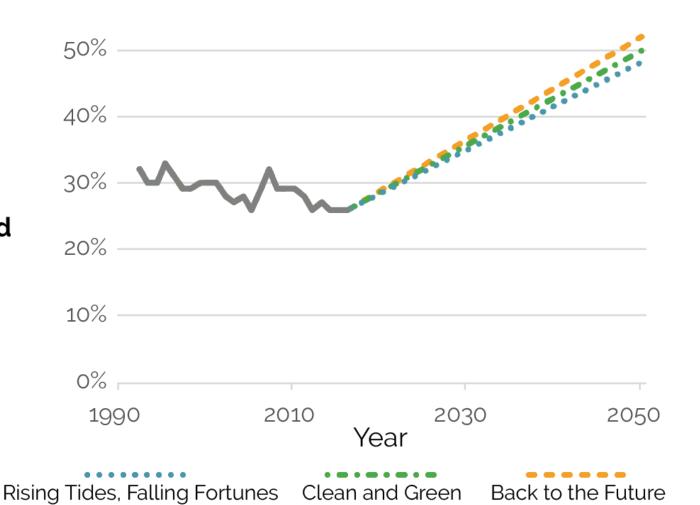
Challenge



Without new strategies in place, Bay Area housing affordability is likely to continue to get worse.

Average
Share of
Household
Income
Spent on
Housing

Observed





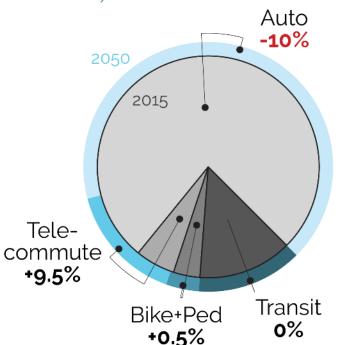
Opportunity



With growing demand for telecommuting and transit, a smaller percentage of residents may need to depend on automobiles to get around.

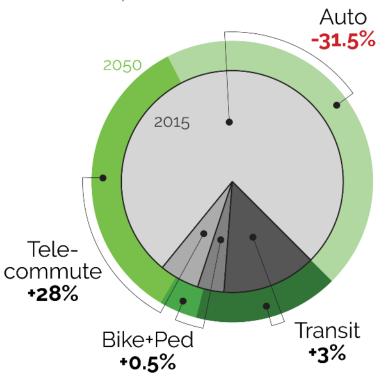
Rising Tides, Falling Fortunes

In 2050, 67% of commuters use autos.



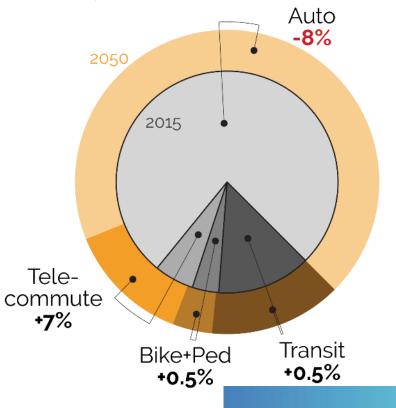
Clean and Green

In 2050, 45% of commuters use autos.



Back to the Future

In 2050, 69% of commuters use autos.



Challenge



Without new strategies like roadway pricing, changing conditions will result in even higher levels of traffic congestion.

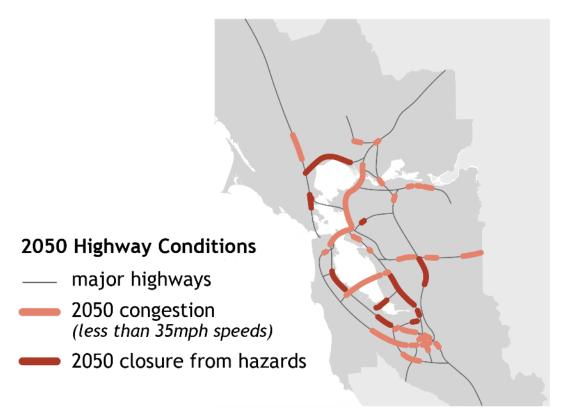
Rising Tides, Falling Fortunes
Limited AV, Similar cost to drive,
Similar ownership model

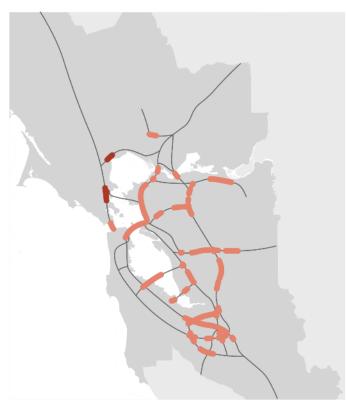
Clean and Green

Significant AV, High cost to drive,

Shared ownership model

Back to the Future
Significant AV, Low cost to drive,
Individual ownership model





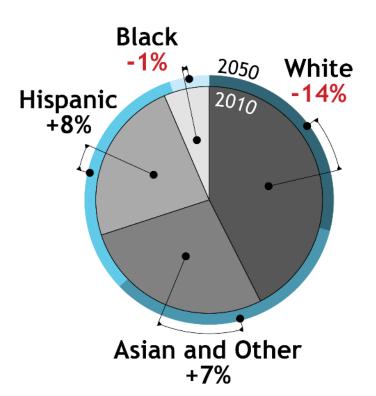


Opportunity #1

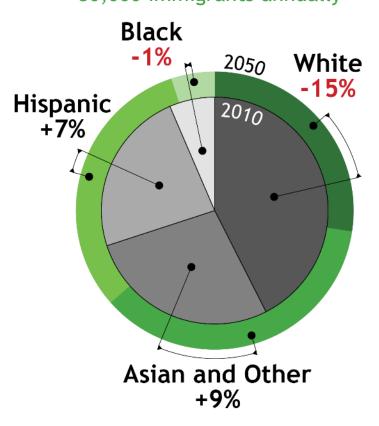


The Bay Area is likely to become more racially diverse over time, driven primarily by immigration from abroad.

Rising Tides, Falling Fortunes +20,000 immigrants annually



Clean and Green +80,000 immigrants annually



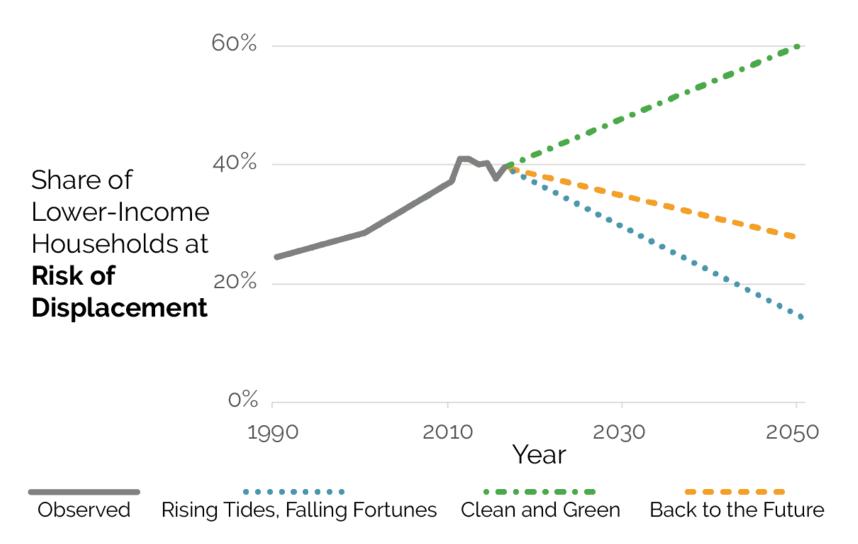
Back to the Future +240,000 immigrants annually Black White -1% 205₀ -20% Hispanic 2010 +7% Asian and Other +14%

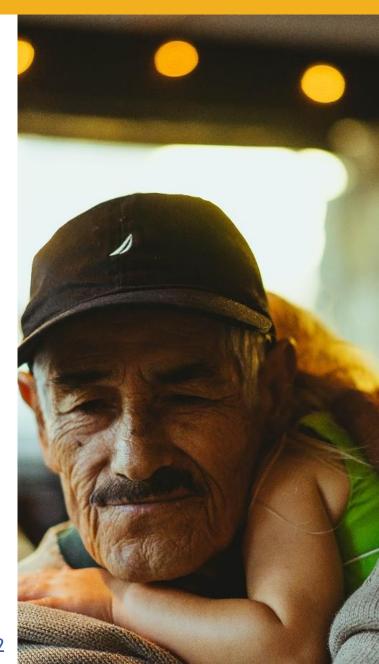
Above is the change in regional share. In Rising Tides, a future with slower growth, the absolute number of white residents decreases. In Back to the Future, a future with faster growth, the absolute number of white residents increases, but as a share of the regional population it decreases.

Opportunity #2

DIVERSE

Rapid housing growth - or an economy cool-off - could both help ease displacement pressures.

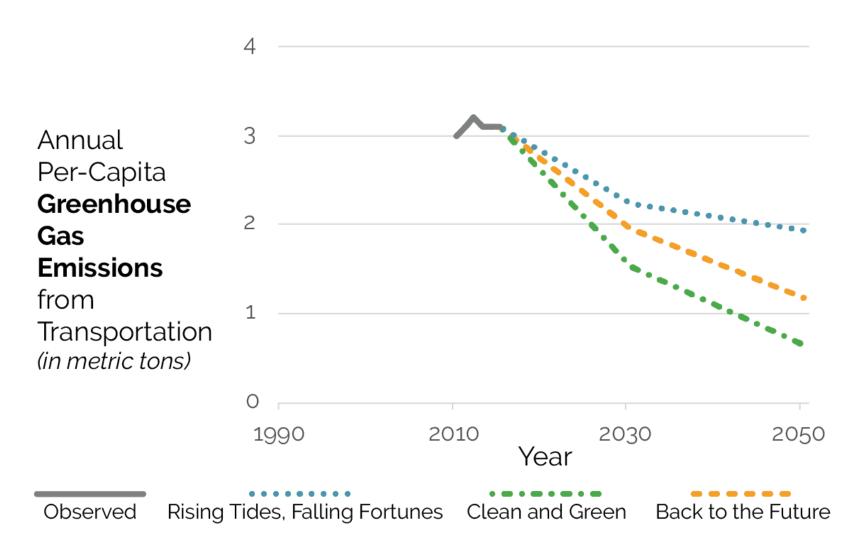




Opportunity



Electrification and urban growth boundaries could reduce human impacts on the environment.

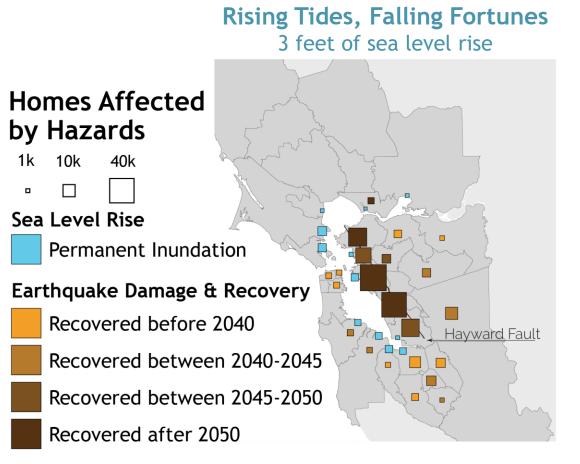


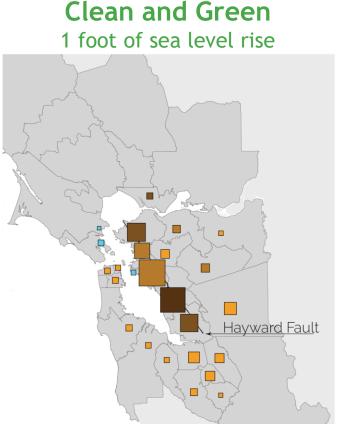


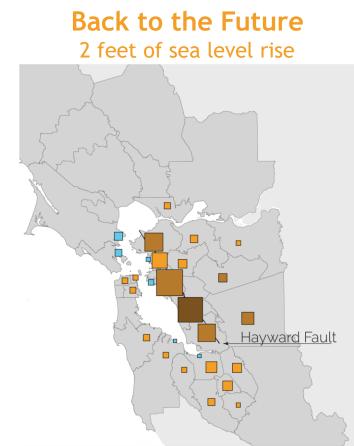
Challenge



Acute impacts from sea level rise and natural disasters will be more difficult to recover from if the region's economy is weak.



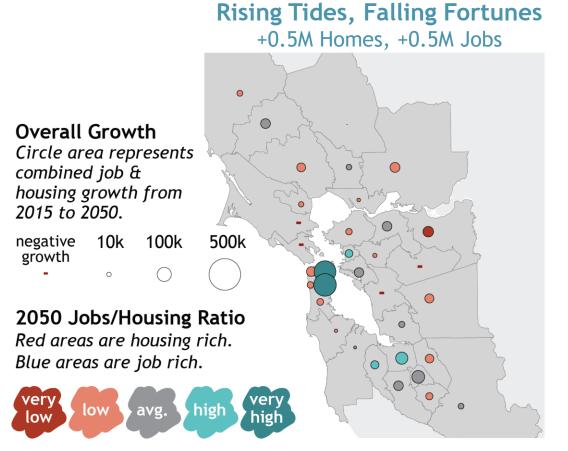


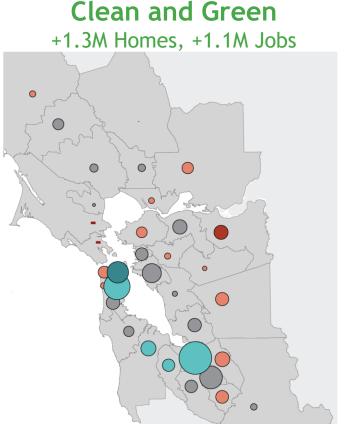


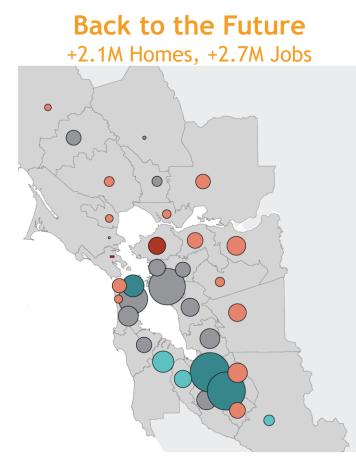
Challenge #1



Land use strategies included in *Plan Bay Area 2040* are insufficient to address the region's longstanding jobs-housing imbalance.



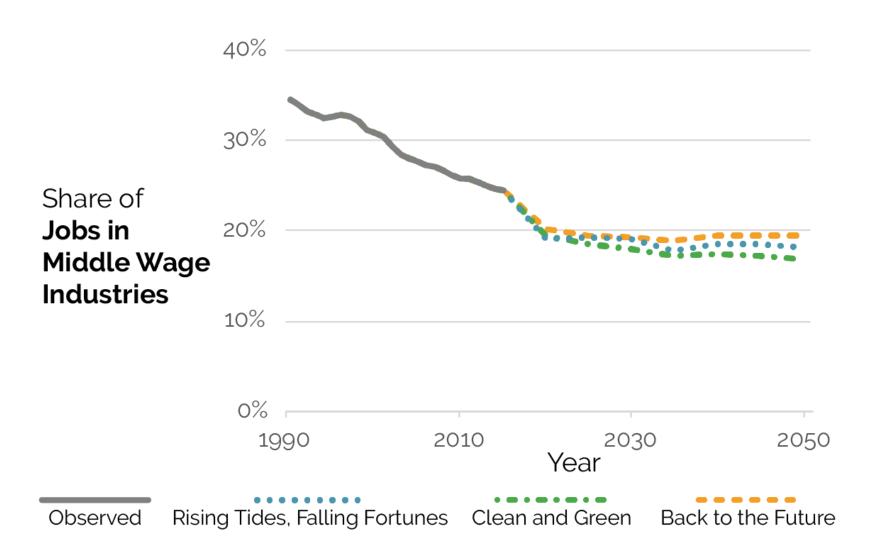




Challenge #2



Middle-wage jobs continue to disappear in all three futures.





Futures Scorecard - Guiding Principles (1)

	Selected Indicators from VITAL SIGNS	2015	Rising Tides, Falling Fortunes 2050	Clean and Green 2050	Back to the Future 2050
		2013	Plan Bay Area 2040 Policies	Plan Bay Area 2040 Policies	Plan Bay Area 2040 Policies
AFFORDABLE	Housing costs (share of income)	26%	48%	50%	52%
	Housing production (net new units annually)	16,000	14,000	38,000	60,000
CONNECTED	Non-auto commute mode share	25%	33%	55%	31%
	Average commute time (minutes)	31	34	36	40
DIVERSE	Risk of displacement (share of lower-income HHs)	38%	14%	60%	28%

Futures Scorecard - Guiding Principles (2)

	Selected Indicators from VITAL SIGNS	2015	Rising Tides, Falling Fortunes 2050 Plan Bay Area 2040 Policies	Clean and Green 2050 Plan Bay Area 2040 Policies	Back to the Future 2050 Plan Bay Area 2040 Policies
DIVERSE	Lower-income population (share of overall population)	50%	54%	37%	39%
HEALTHY	Greenhouse gas emissions (per-capita)	3.0	1.9	0.7	1.2
	Annual greenfield development (acres)	1,200	300	300	500
VIBRANT	Jobs in middle-wage industries (share of all jobs)	21%	18%	17%	19%
	Gross regional product (inflation-adjusted)	\$0.7 trillion	\$1.1 trillion	\$2.1 trillion	\$1.9 trillion ₂₆



Futures Analysis

Plan Bay Area 2040
Adopted in July 2017

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- How does the region's currently-adopted Plan fare in an era of uncertainty?
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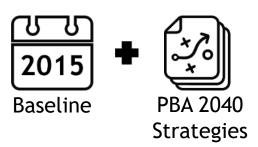
















The 4 Focus Areas of Horizon + 9 Strategy Package Goals for Futures Round 2

Economic Development

Housing

Transportation

Environment & Resilience

Improve Economic Mobility Shift the Location of Jobs

Spur Housing Production

Retain and Expand Affordable Housing Improve Access, Reliability and Speed

Prioritize Active Modes Price Transportation Services Reduce Our Impact on the Environment

Reduce the Environment's Impact on Us

Futures Round 2: Economic Development Strategies



Help promote the growth of the middle class in an era of automation and growing income inequality.

V-6 Provide Portable Benefits for Part-Time/Freelance Workers

D-2** Expand Childcare Support for Low-Income Families

V-1** Expand Construction Workforce Programs



Encourage new employment centers to locate in transit-served, housing-rich communities.

PBA-8* Preserve Office Space Caps in Job-Rich Cities & Assess VMT-Based Commercial Development Fee

V-5 Create Incubator Programs in Econ.-Challenged Areas

V-7 Implement Incentives & Disincentives to Locate Jobs in

Housing-Rich Locations

^{* =} modifications have been made to Plan Bay Area 2040 strategy

^{** =} included only in two higher-growth, higher-resource Futures

Futures Round 2: Housing Strategies





PBA-1* Assign Higher Densities to PDAs

PBA-2* Streamline Development in all Growth Areas

A-7 Allow Diverse Housing around all Major Transit Stops

D-9 Allow Affordable Housing in Areas of High Opportunity

A-4 Transform Aging Malls and Office Parks into Neighborhoods

A-2 Repurpose Public Land to Build Housing



Retain & Expand Affordable Housing

Advance a suite of policies to ensure greater equity and affordability.

D-7 Require 20 Percent of All New Housing to be Affordable

D-6 Increase Renter Protections

A-8** Fund Affordable Housing Preservation & Production

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Futures Round 2: Transportation Strategies



Improve Access, Speed, and Reliability of Transportation



Prioritize Active Modes



Futures Round 2

Price
Transportation
Services

Build a next-generation transit network for the 21st century.

PBA-6 Operate and Maintain the Existing System

PBA-5* Build Carpool Lanes & Address Interchange Bottlenecks

PBA-4 Make Strategic Transit Modernization/Expansion Investments

C-4 Build a Next-Generation Bus Rapid Transit Network

C-10** Increase Capacity/Frequency by Modernizing Existing Rail

C-9** Extend the Regional Rail Network C-7** Build a New Transbay Rail Crossing

Make active modes safer and more accessible.

D-4 Invest in Free Short-Trip Service

NEW! Implement Vision Zero Speed Reduction Measures

C-3 Build a Complete Micromobility Network

Price freeways to drive different mode choices and advance equitable outcomes.

C-1 Develop a Single Platform to Access & Pay for all Mobility

C-6 Apply Time-of-Day Tolls on All Freeways

A-3** Provide Free Transit to Lower-Income Riders

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Futures Round 2: Environment & Resilience Strategies



Reduce Our Impact on the Environment

Protect greenfields and parks while retrofitting existing buildings.

PBA-7 Keep Current Urban Growth Boundaries in Place V-3/H-2** Expand Park, Trails, Greenways; Preserve Ag. Lands H-9** Expand Existing Building Improvements (Energy, Water, Seismic, Fire, Accessibility)



Protect communities from sea level rise, and improve readiness for other natural disasters.

H-4	Purchase Disaster Recovery Financing
H-7	Partially Adapt to Sea Level Rise
H-8**	Fully Adapt to Sea Level Rise

H-3** Adapt SR-37 to Sea Level Rise

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How Will Horizon Be Integrated Into Plan Bay Area 2050?

The purpose of Horizon is to identify strategies and projects that perform well under a wide range of conditions - and to prioritize these resilient strategies in the fiscally-constrained Plan Bay Area 2050.



Identify High-Performing Strategies



Fall 2019 & Winter 2020

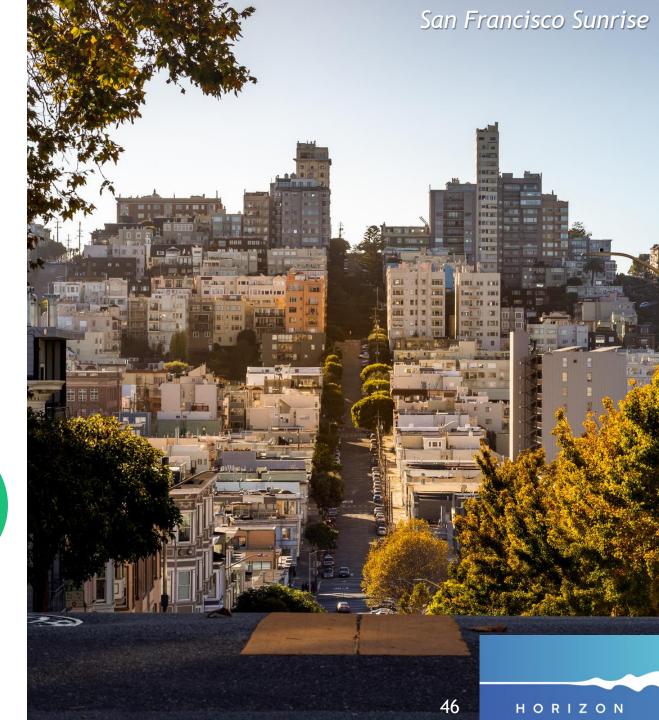
Integrate

into

Preferred

Plan

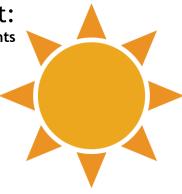
Perspective Papers + Public Outreach Futures
Planning +
Project
Performance





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Reminder: Upcoming Webinars



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public 48

