#### MEMORANDUM

- TO: Joint MTC Planning Committee with the ABAG Administrative Committee
- FR: Deputy Executive Director, Policy

RE: Horizon: Interim Futures Report - Opportunities and Challenges

#### Summary

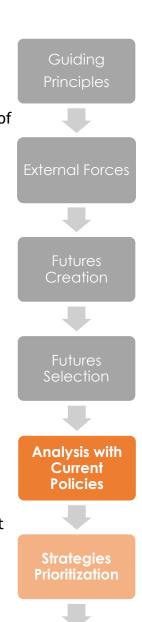
Today, MTC/ABAG staff are releasing the Opportunities and Challenges Report, which highlights major opportunities and challenges that the Bay Area might face in the coming decades as a result of three "what if...?" scenarios known as futures. This report is a key milestone of the *Horizon* long-range planning process, designed to help prioritize strategies in an era of uncertainty. Over the past six months, staff have analyzed the three futures finalized in summer 2018 using economic, land use, and travel models. This work is focused on exploring how previously unmodeled external forces, such as autonomous vehicles, rate of sea level rise, and national economic growth, affect the Bay Area's future - assuming that today's policies continue in future decades.

The final report provides a set of opportunities and challenges for each future, organized by impacts on the five *Horizon* Guiding Principles: affordable, connected, diverse, healthy, and vibrant. The report will be available on the *Horizon* website at <u>bayareametro.gov/horizon</u>.

#### The Futures Process

Futures Planning is a new way of looking at long-range planning, focusing on exploring divergent "what if...?" scenarios to identify strategies that are effective in a wide variety of circumstances. It replaces traditional scenario planning where funding and growth are distributed based on fixed assumptions; instead, the Futures Planning process outlines a variety of potential political, technological, economic and environmental challenges that would affect the lives of Bay Area residents.

Based on the first round of analysis, the Opportunities and Challenges Report explores the future conditions of the Bay Area with current policies - in part, to understand what challenges may emerge if we do not take action in the coming years. This month, we pivot to the next phase of Futures Planning for *Horizon*, delving into prioritization of strategies for further testing in the second round of analysis.



Analysis with Optimized



Agenda Item 7a

DATE: March 6, 2019

#### Upcoming Opportunities to Provide Strategy Feedback

Based on feedback from stakeholders and residents in March, MTC/ABAG will identify a suite of transportation, land use, economic development, and resilience strategies to apply to each future in the second round of analysis. An optimized mix of strategies will be incorporated for each future, with the goal of better understanding the effectiveness of current and new strategies across a range of potential future conditions.

In the coming weeks, staff will engage with the public, stakeholders, and community-based organizations to get feedback on which strategies should be prioritized for further study for each future:

- Technical Stakeholders Workshop (1)
- Public Workshops (5)
  - March 12, 6pm-8pm; Oakland, 101 8<sup>th</sup> Street
  - March 14, 6pm-8pm; San Jose, 200 E. Santa Clara Street
  - March 16, 10am-12pm; Petaluma, 320 North McDowell Blvd
  - o March 19, 6pm-8pm; San Bruno, 1150 El Camino Real
  - March 20, 6pm-8pm; Vallejo, 253 Georgia Street
- Community Based Organization Focus Groups (8)
- Online Engagement via Vital Signs Website: <u>http://www.vitalsigns.mtc.ca.gov/horizon</u>

#### Next Steps

Staff will return to the MTC Planning and ABAG Administrative Committees in April with a summary of feedback from March outreach and a preliminary list of strategies to analyze in each of the three futures for the next phase of *Horizon*.

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#### Attachments:

• Attachment A: Presentation

#### AAB:mg

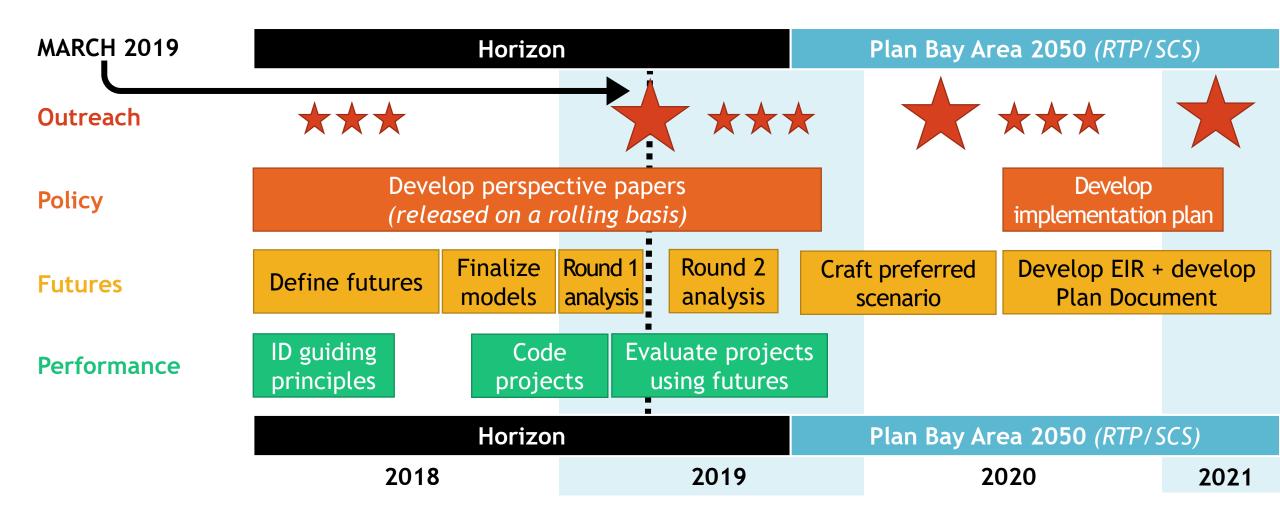
J:\COMMITTE\Planning Committee\2019\03\_PLNG\_Mar 2019\7ai\_HorizonFutures\_OpportunitiesAndChallenges\_v2.docx

## Futures - Interim Report

#### **Opportunities and Challenges**

Joint MTC Planning Committee with the ABAG Administrative Committee March 8, 2019

# Schedule for Horizon and Plan Bay Area 2050



## Futures Process

#### **OUTREACH**

CREATE-A-FUTURE









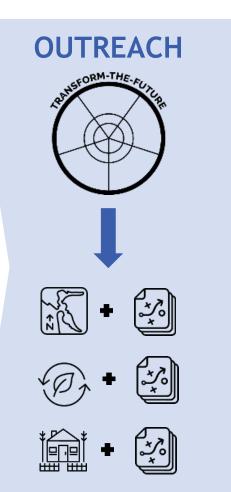
ROUND 1 ANALYSIS Current Strategies





REPORT





ROUND 2 ANALYSIS New Strategies









# Futures Analysis

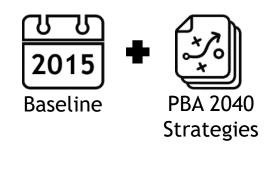
#### Plan Bay Area 2040 Adopted in July 2017

### 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?





HORIZON



FUTURE NAME	IMMIGRATION AND TRADE	NATIONAL TAXES AND FUNDING	NATIONAL GROWTH	LAND USE PREFERENCES	NATIONAL ENVIRONMENTAL POLICY	NEW TECHNOLOGIES	NATURAL DISASTERS
Rising Tides, Falling Fortunes	Reduced	Lower funding due to tax cuts	Limited	Housing: more <b>urban</b>	<b>Relaxed</b> regulations (3' SLR)	More <b>limited</b>	Magnitude 7.0 Hayward Fault earthquake
				Similar to today			
Clean and Green	Similar <b>Higher</b>	Higher funding	Similar	Housing: more <b>urban</b>	Stricter regulations (1' SLR)	Widespread	Magnitude 7.0 Hayward Fault earthquake
	to today	-	to today	Jobs: more <b>dispersed</b>			
Back to the Future	Increased Similar to today	Similar	Denid	Housing: more <b>dispersed</b>	Similar	M/Selections and	Magnitude 7.0
		Rapid	Jobs: more <b>urban</b>	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.

## Rising Tides, Falling Fortunes



Imagine a future where the federal government cuts spending and reduces regulations, leaving decisions to states & regions.

## Clean & Green

Imagine a future where new technologies and a national carbon tax enabled telecommuting and distributed job centers.

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Photo Credit: Paulo Philippidis, Bus Through Sonic Runway https://www.flickr.com/photos/canorus/40642623862

## Back to the Future



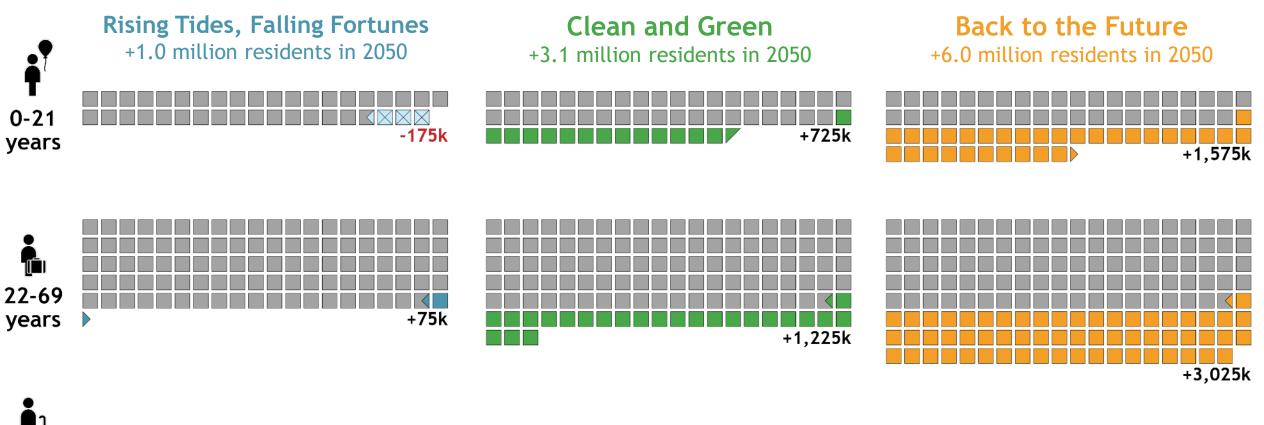
Imagine a future where an economic boom and new transportation options spur a new wave of development.

70+

years

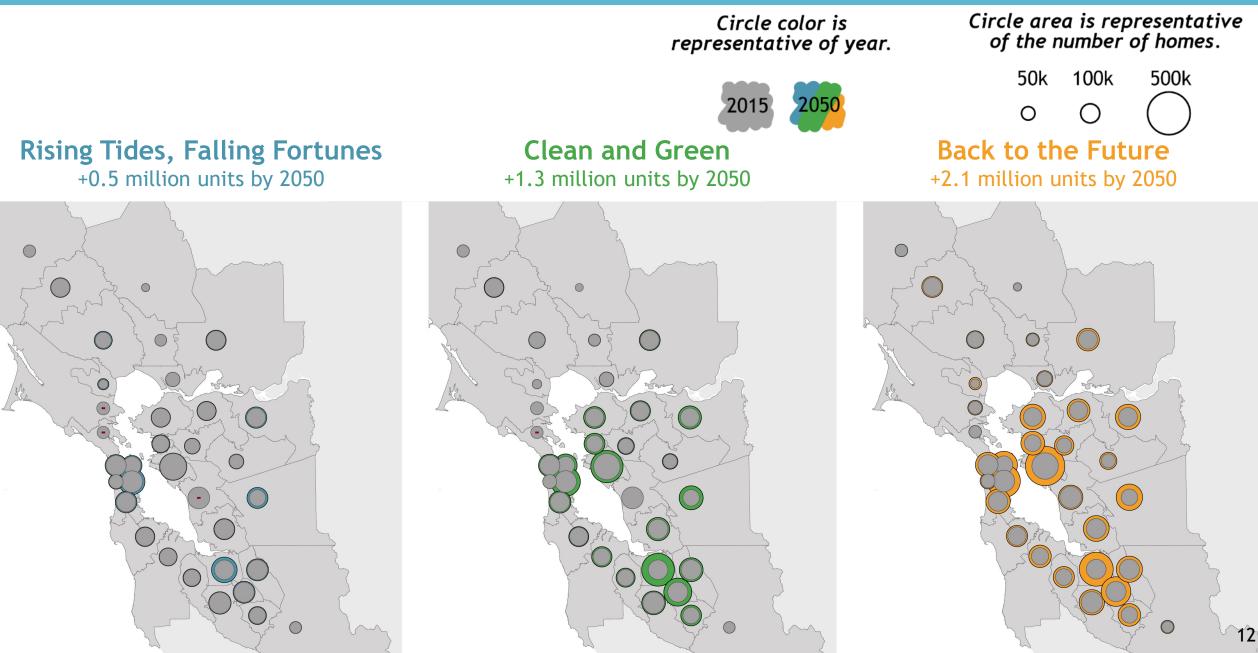
■ = 50,000 residents.

a single line represents 1 million residents

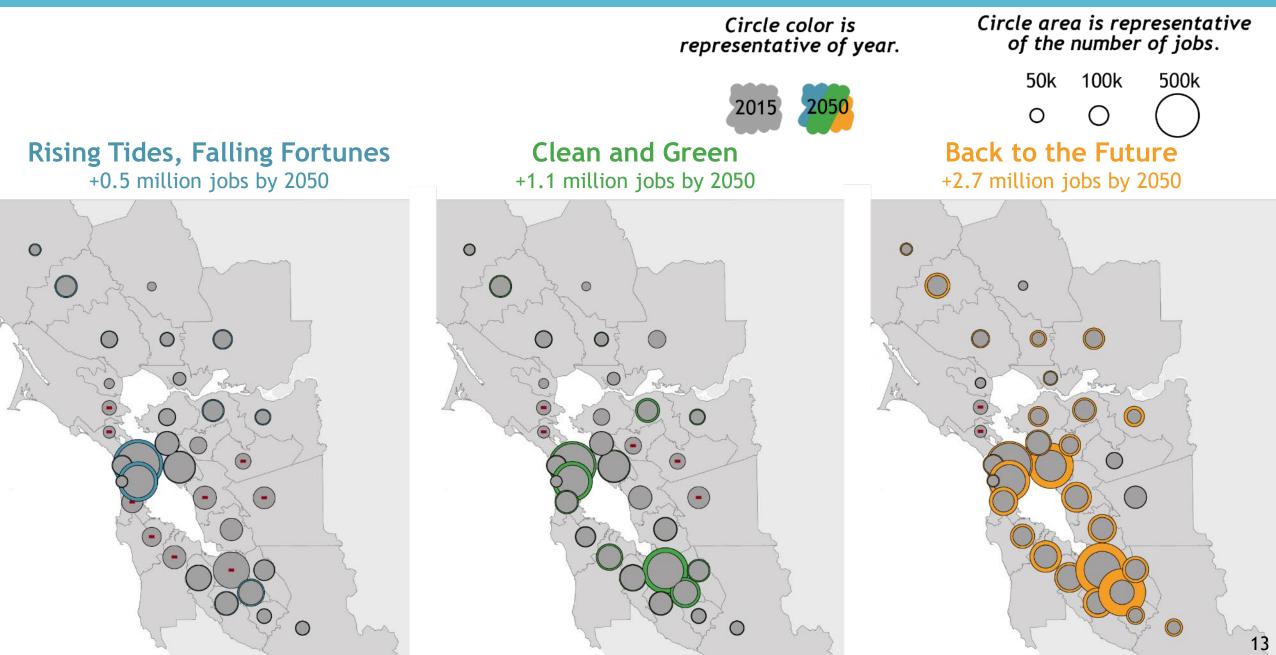




## Housing Growth



## Job Growth





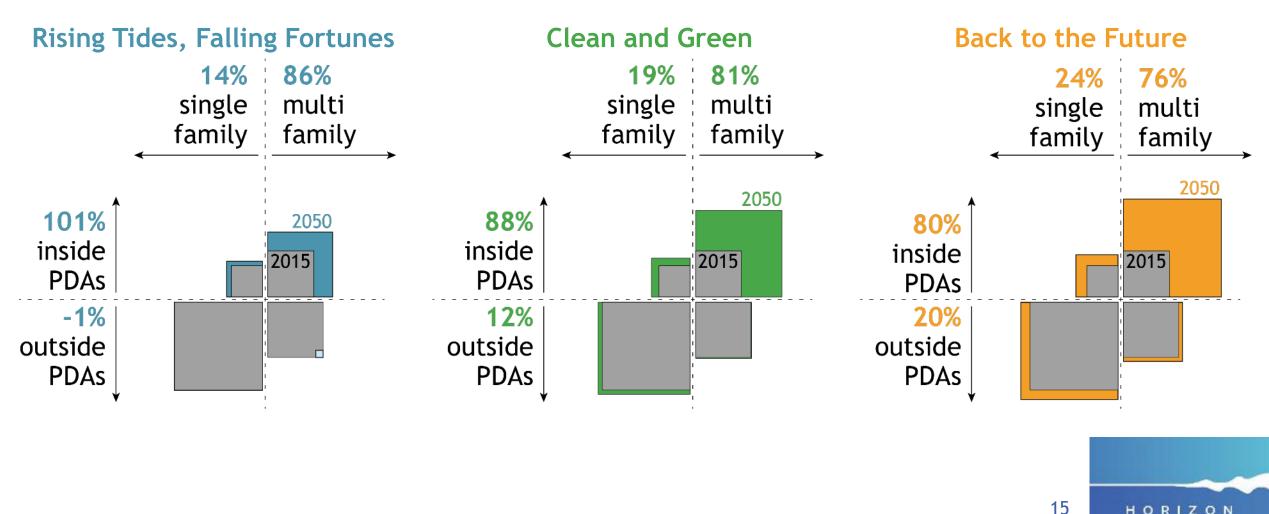
# Opportunities & Challenges: Top 10 Findings

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

## Opportunity



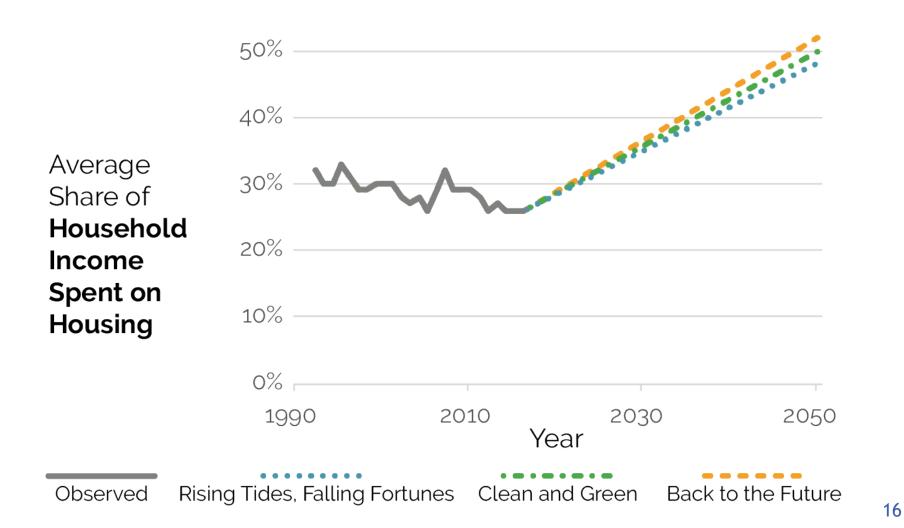
Priority Development Areas (PDAs) thrive in all three futures, putting a greater share of residents close to higher-quality affordable transit.



## Challenge



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



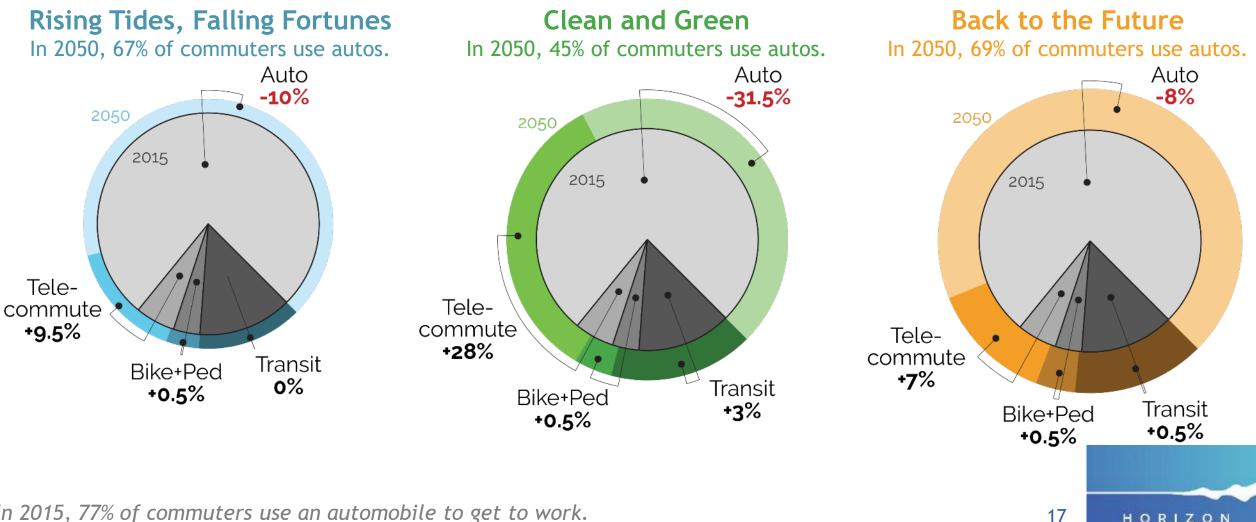


## Opportunity



HORIZON

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

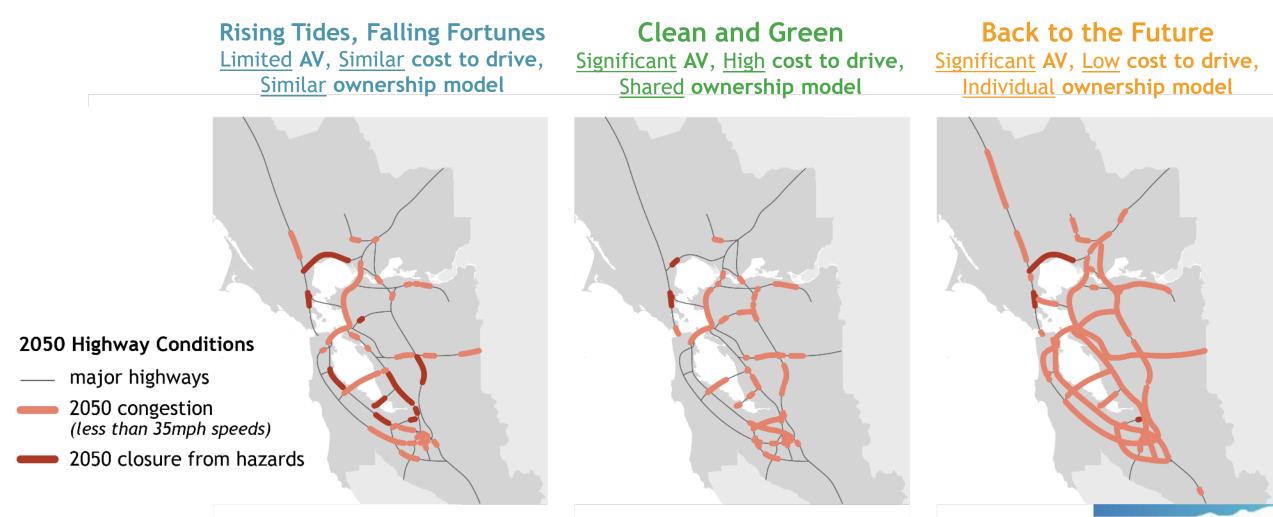


In 2015, 77% of commuters use an automobile to get to work.

## Challenge



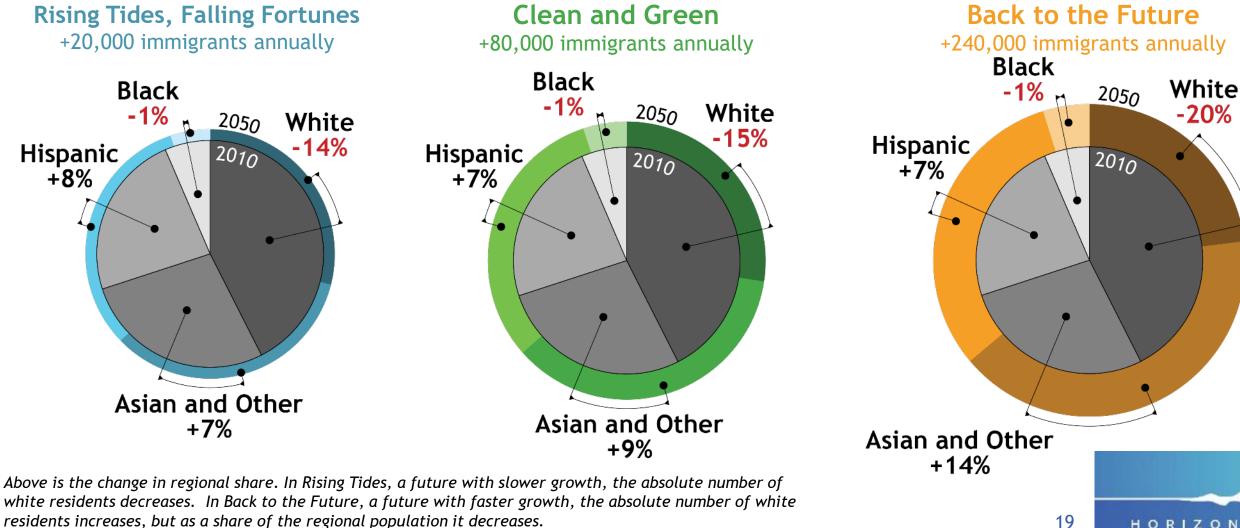
# Without new strategies like roadway pricing, changing conditions will result in even higher levels of traffic congestion.



## **Opportunity #1**



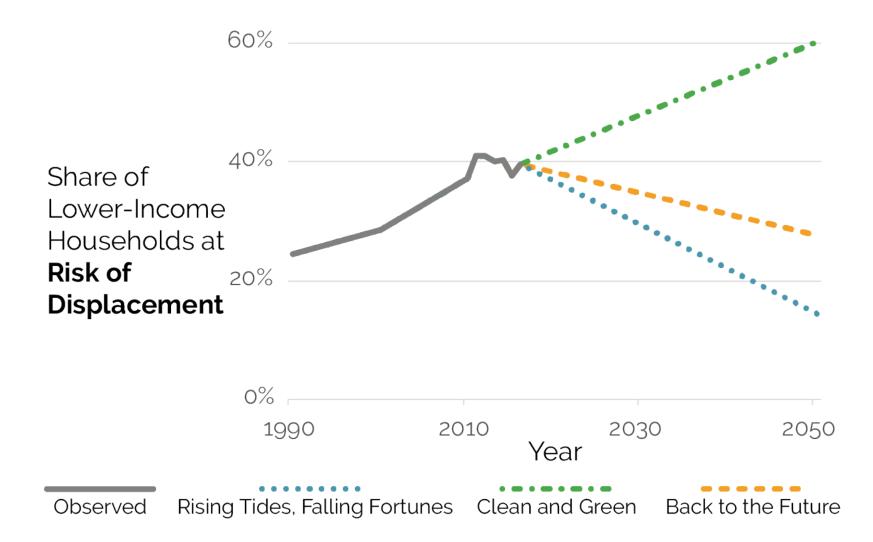
## The Bay Area is likely to become more racially diverse over time, driven primarily by immigration from abroad.



## **Opportunity #2**

## DIVERSE

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

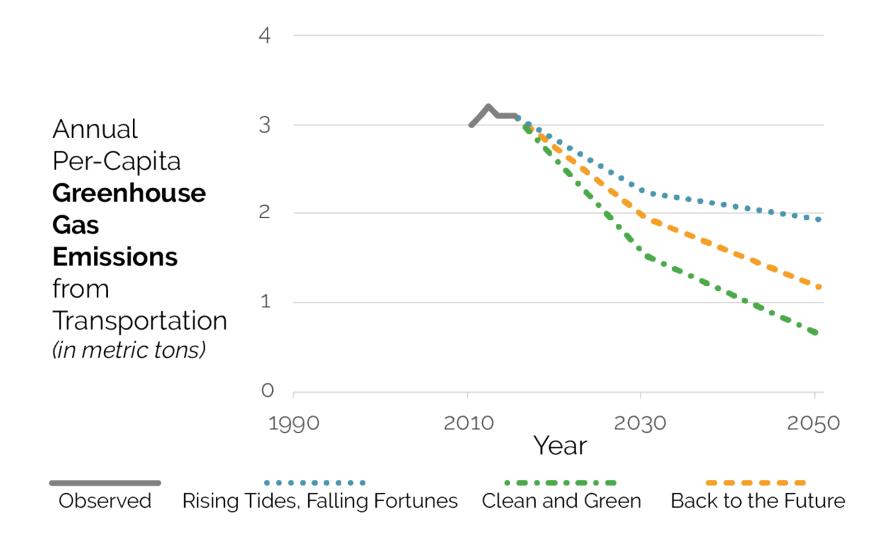




## Opportunity



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

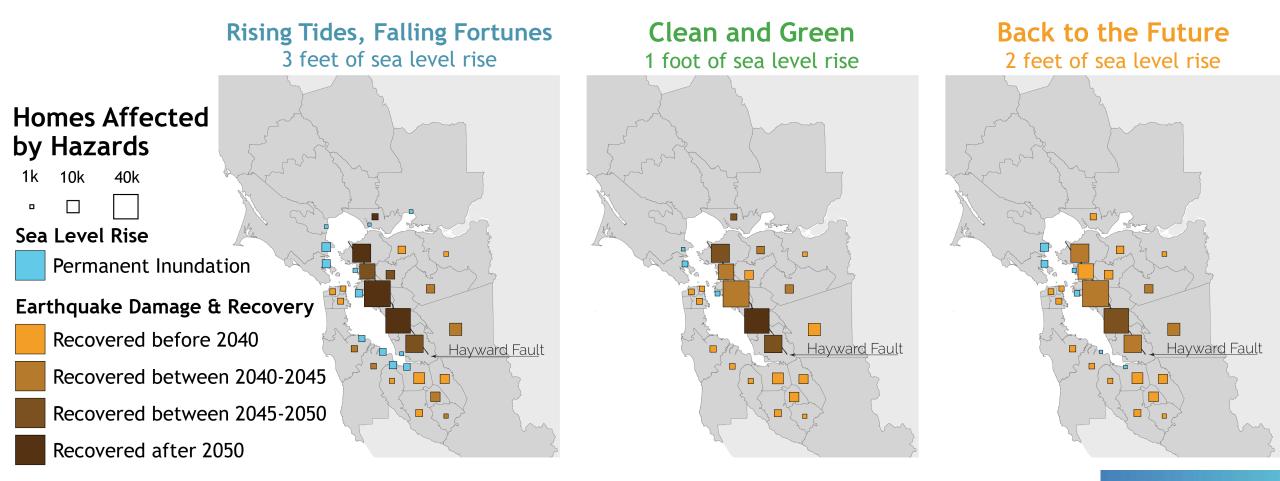




## Challenge



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

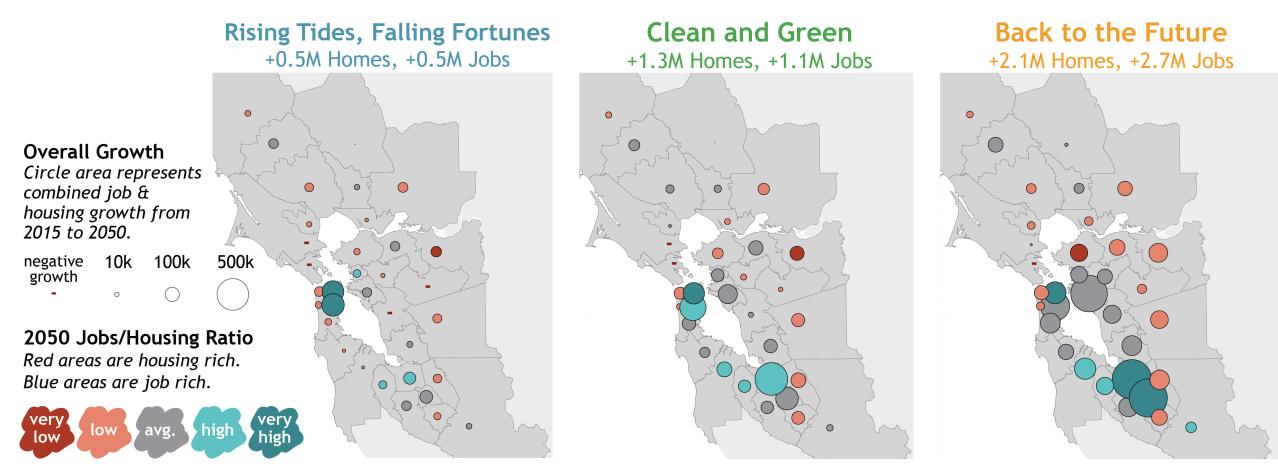


HORIZON

## Challenge #1



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

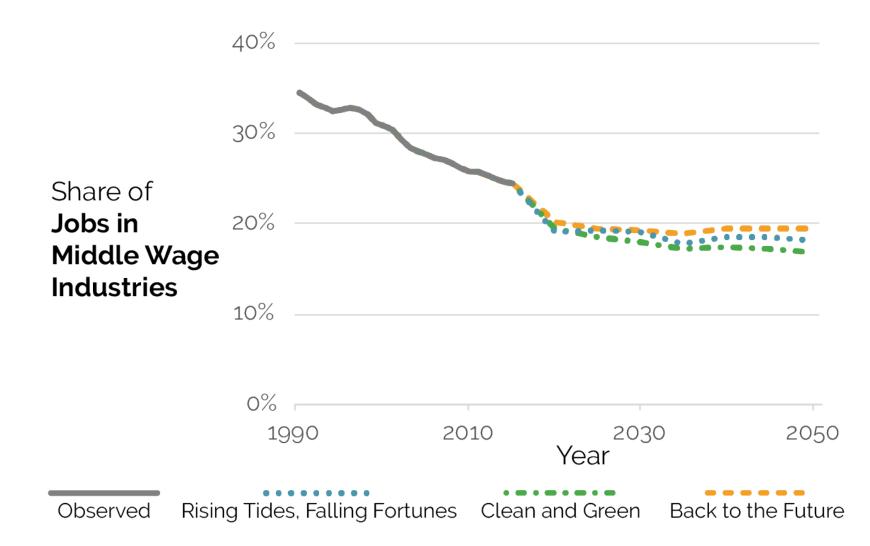




## Challenge #2



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





# es (1)

# Futures Scorecard - Guiding Principles (1)

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

# (2)

# Futures Scorecard - Guiding Principles (2)

	Selected Indicators from	2015	Rising Tides, Falling Fortunes <b>2050</b> Plan Bay Area 2040 Policies	Clean and Green 2050 Plan Bay Area 2040 Policies	Back to the Future <b>2050</b> Plan Bay Area 2040 Policies
	Low-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%	<b>19</b> %
	<b>Gross regional product</b> (inflation-adjusted)	<b>\$0.7</b> trillion	\$1.1 trillion	\$2.1 trillion	<b>\$1.9</b> trillion 26

### **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/plansprojects/horizon/futures-planning FUTURES INTERIM REPORT OPPORTUNITIES AND CHALLENGES MARCH 2019





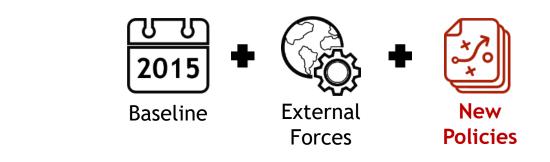
# What's Next?

The conditions in each future present unique challenges and opportunities for the region to leverage and address in the next round of analysis.

# Next Step for Futures: Round 2

#### **Horizon Futures Round 2 Analysis**

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



# Strategies are based on existing and future Perspective Papers:

- Autonomous Vehicles
- Toward a Shared Future
- Growth Strategies
- The Future of Jobs (Coming in April)
- Bay Crossings (Coming in May)
- Sea Level Rise (Coming in September)

Strategies are also based on other efforts, including:

- CASA
- BCDC's Adapting to Rising Tides Program
- Comprehensive Economic Development Strategy
- Horizon/Plan Bay Area 2050 Project Performance

HORIZON



# **Get Involved** Planning the Region's Future!

**Stakeholder Workshop** 

San Francisco 3/11/19 - 8:30 AM to 1:30 PM

#### **Public Workshops**

Oakland 3/12/19 - 6:00 PM to 8:00 PM

**San Jose** 3/14/19 - 6:00 PM to 8:00 PM

**Petaluma** 3/16/19 - 10:00 AM to 12:00 PM

**San Bruno** 3/19/19 - 6:00 PM to 8:00 PM

**Vallejo** 3/20/19 - 6:00 PM to 8:00 PM

**Online Outreach** 

vitalsigns.mtc.ca.gov/horizon 30

### We're seeking input from stakeholders & the public on which strategies would *transform each future* - and we'll report back next month.

#### **Increase Renter Protectio**

A suite of four strategies could help current Bay Ar renters stay in their communities: (i) just cause evi ensures tenants are protected from arbitrary evic anti-gouging cap prevents extreme rent increase year-to-year basis; (iii) right to legal counsel enf tenants facing eviction have the right to legal c and (iv) no net loss aims to preserve opportuni low-income households to return to newly re areas.

Increase Capacity an

Frequency by Modernizir

traver unies on vice using near or elevanisme) track, and making major capital investments

to boost capacity and speed. POTENTIAL IMPACT: Increase Pea

Establish Urban A

Existing Rail Network

VTA light rail by elevating key

POTENTIAL IMPACT: Protect 36,000 low a income households annually

ASSUMPTIONS: In addition to the policy me annual subsidy would provide the legal couns rental assistance.

More information available at:

mtc.ca.gov/our-work/plansprojects/horizon/futures-planning

HORIZON

Production Areas to Protect

31

HEALTHY

Fully Adapt to Sea Level

Purchase a \$6 billion catastrophe bond, to ensit

Putchase a so billion calastrophe control to the region has the funds necessary to rebuilt better

region has the runos necessary to rebuilt better major earthquake, flood, or fire. The funding of

Ingur earlinguake: 10000, or me. The running of to fast-track the implementation of existing in

plans, leveraging existing priority Developm

POTENTIAL IMPACT: \$5 billion available

Plan Bay Area policies during disaster re

ASSUMPTIONS: AS

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